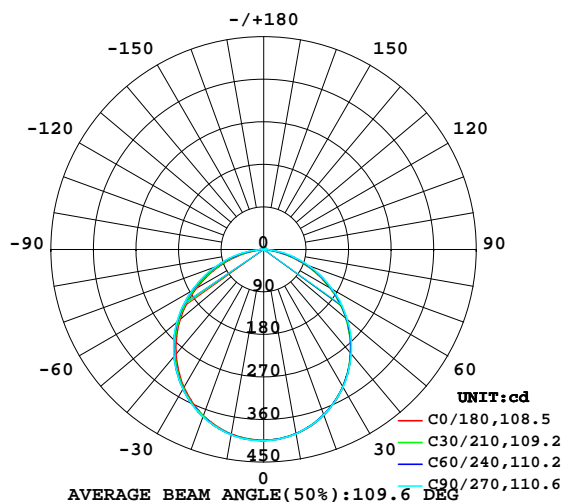


## LUMINAIRE PHOTOMETRIC TEST REPORT

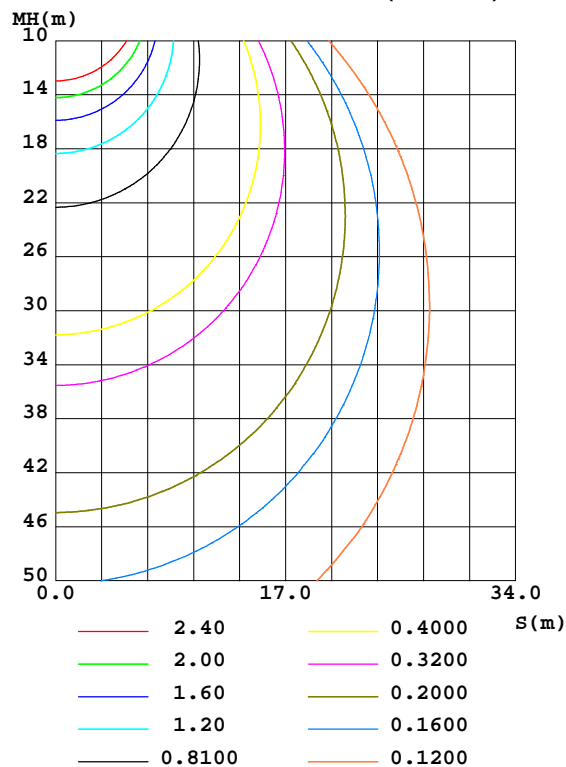
Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.27 lm/W			
MODEL	GD6-10	Imax(cd)	405.3	S/MH(C0/180)	1.24
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1124.6	$\eta$ UP,DN(C0-180)	0.9,48.6
NOMINAL FLUX(lm)	1124.57	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.8,49.7
LAMPS INSIDE	1	$\eta$ up(%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	$\eta$ down(%)	98.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:OHS  
 Test Date:18 October 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:8.100m [K=1.0000]  
 Remarks: Z-DL-10e

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	395.5	395.2	395.9	396.5	396.6	397.2	397.8	397.3	0- 10	38.24	38.24	3.4,3.4
20	372.9	372.0	372.3	373.8	374.0	375.6	376.6	375.2	10- 20	109.2	147.5	13.1,13.1
30	335.4	334.9	335.8	336.9	337.4	340.6	341.4	338.9	20- 30	164.7	312.2	27.8,27.8
40	286.2	286.9	288.1	288.6	288.5	293.3	295.4	290.7	30- 40	197.0	509.2	45.3,45.3
50	227.7	229.4	231.3	230.9	230.7	236.1	239.9	232.9	40- 50	202.2	711.4	63.3,63.3
60	161.9	164.7	167.0	165.4	165.3	171.5	176.3	167.8	50- 60	179.2	890.6	79.2,79.2
70	93.46	96.59	101.8	96.94	95.86	104.1	109.4	99.97	60- 70	132.3	1023	91,91
80	26.95	31.32	38.88	31.86	28.77	37.23	46.34	33.84	70- 80	70.29	1093	97.2,97.2
90	1.293	1.368	2.012	1.344	0.9203	0.9439	1.478	0.9908	80- 90	12.21	1105	98.3,98.3
100	1.770	2.454	4.182	2.465	1.427	1.724	3.403	1.878	90-100	2.116	1108	98.5,98.5
110	2.235	3.221	4.369	3.100	1.883	2.602	3.681	2.514	100-110	2.904	1110	98.7,98.7
120	2.798	3.134	4.346	2.809	2.473	2.891	3.681	2.747	110-120	3.008	1113	99,99
130	3.016	3.207	4.276	3.086	2.747	2.635	3.695	2.570	120-130	2.863	1116	99.3,99.3
140	3.453	3.867	3.681	3.821	3.068	3.312	3.105	3.342	130-140	2.530	1119	99.5,99.5
150	3.848	3.853	4.281	3.830	3.425	3.523	3.885	3.490	140-150	2.278	1121	99.7,99.7
160	4.150	4.141	4.201	4.318	4.045	3.913	3.858	3.894	150-160	1.824	1123	99.9,99.9
170	4.355	4.374	4.583	4.406	4.220	4.225	4.388	4.234	160-170	1.193	1124	100,100
180	4.434	4.443	4.439	4.457	4.429	4.439	4.439	4.457	170-180	0.4206	1125	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 611.4 lm

%lum = 54.4%

%lamp = 54.4%

Conical surface Flux(120deg): 890.6 lm

%lum = 79.2%

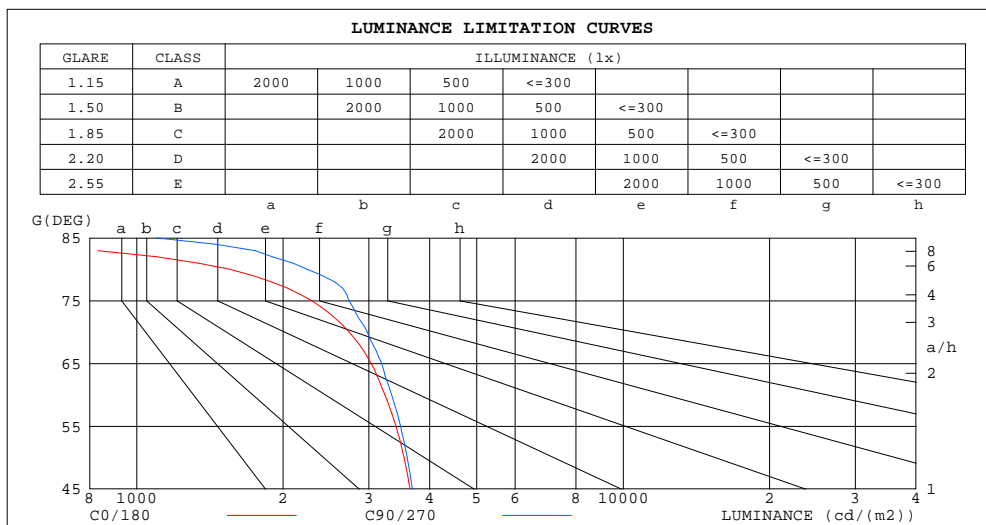
%lamp = 79.2%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:OHS  
Test Date:18 October 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: Z-DL-10e

## LUMINANCE LIMITATION CURVES

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



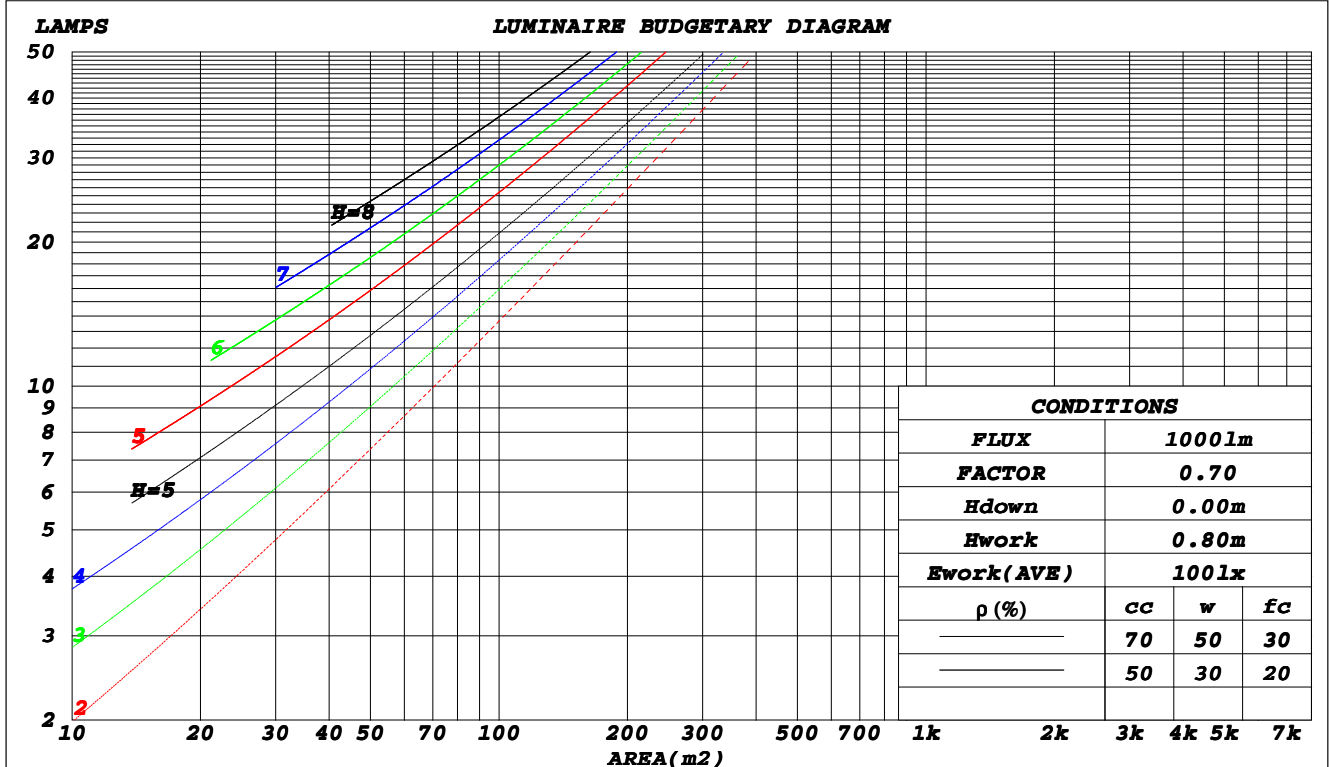
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: OHS**  
**Test Date: 18 October 2022**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: Z-DL-10e**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.04	1.00	.96	1.02	.98	.95	.97	.94	.91	.93	.91	.88	.89	.87	.85	.83
2.0	.91	.84	.79	.89	.83	.78	.85	.80	.76	.82	.77	.74	.78	.75	.72	.69
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.63	.72	.67	.62	.69	.65	.61	.59
4.0	.71	.62	.56	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.50	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: OHS  
 Test Date: 18 October 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 8.100m [K=1.0000]  
 Remarks: Z-DL-10e

## WEC AND CCEC

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.296	.169	.053	.289	.165	.052	.275	.158	.050	.262	.151	.048	.250	.145	.047		
2.0	.283	.155	.048	.276	.152	.047	.264	.147	.046	.252	.141	.044	.241	.137	.043		
3.0	.263	.140	.042	.258	.138	.042	.246	.134	.041	.236	.129	.040	.227	.125	.039		
4.0	.244	.127	.037	.239	.125	.037	.229	.121	.036	.220	.118	.036	.211	.115	.035		
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.205	.108	.032	.197	.105	.032		
6.0	.210	.105	.030	.206	.104	.030	.198	.102	.030	.191	.099	.029	.184	.097	.029		
7.0	.196	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.172	.090	.026		
8.0	.183	.090	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024		
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022		
10.0	.162	.078	.022	.159	.077	.021	.154	.075	.021	.149	.074	.021	.144	.073	.021		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.192	.169	.148	.165	.145	.128	.113	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.184	.145	.112	.158	.125	.097	.108	.086	.068	.062	.050	.040	.020	.016	.013	
3.0	.176	.127	.088	.151	.110	.077	.104	.076	.054	.060	.045	.032	.019	.014	.010	
4.0	.169	.114	.072	.145	.099	.063	.100	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.162	.104	.061	.139	.090	.053	.096	.063	.038	.055	.037	.022	.018	.012	.007	
6.0	.155	.095	.053	.133	.083	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006	
7.0	.148	.089	.047	.127	.077	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
8.0	.141	.083	.042	.122	.072	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.135	.078	.039	.117	.068	.034	.081	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:OHS  
Test Date:18 October 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: Z-DL-10e

UGR(Unified Glare Rating) Table

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm										
NAME: 6"다운라이트-(1)					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: ICEPIPE					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise				Viewed endwise				
x = 2H y = 2H	17.0	18.4	17.2	18.7	18.9	17.1	18.6	17.4	18.8	19.0
3H	18.3	19.6	18.6	19.9	20.2	18.5	19.9	18.8	20.1	20.4
4H	18.7	20.0	19.0	20.3	20.6	19.1	20.4	19.4	20.7	20.9
6H	18.9	20.1	19.3	20.4	20.7	19.4	20.7	19.8	21.0	21.3
8H	18.9	20.1	19.3	20.4	20.7	19.5	20.7	19.9	21.0	21.3
12H	18.9	20.0	19.2	20.3	20.7	19.5	20.6	19.9	21.0	21.3
4H 2H	17.5	18.8	17.9	19.1	19.4	17.6	18.9	18.0	19.2	19.5
3H	19.0	20.1	19.4	20.5	20.8	19.2	20.4	19.6	20.7	21.0
4H	19.5	20.6	19.9	20.9	21.3	19.9	20.9	20.3	21.3	21.7
6H	19.8	20.7	20.2	21.1	21.5	20.4	21.3	20.8	21.7	22.1
8H	19.8	20.7	20.3	21.1	21.5	20.5	21.3	20.9	21.7	22.1
12H	19.8	20.6	20.3	21.0	21.4	20.5	21.3	21.0	21.7	22.1
8H 4H	19.7	20.6	20.2	21.0	21.4	20.1	20.9	20.5	21.3	21.7
6H	20.1	20.8	20.6	21.3	21.7	20.6	21.3	21.1	21.8	22.2
8H	20.2	20.8	20.7	21.2	21.7	20.8	21.4	21.3	21.9	22.4
12H	20.1	20.7	20.7	21.2	21.7	20.9	21.4	21.4	21.9	22.4
12H 4H	19.7	20.5	20.2	20.9	21.4	20.1	20.8	20.5	21.3	21.7
6H	20.1	20.8	20.6	21.2	21.7	20.6	21.3	21.1	21.7	22.2
8H	20.2	20.7	20.7	21.2	21.7	20.8	21.3	21.3	21.8	22.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 1125 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.4)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:OHS  
Test Date:18 October 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: Z-DL-10e

## UTILIZATION FACTORS TABLE

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

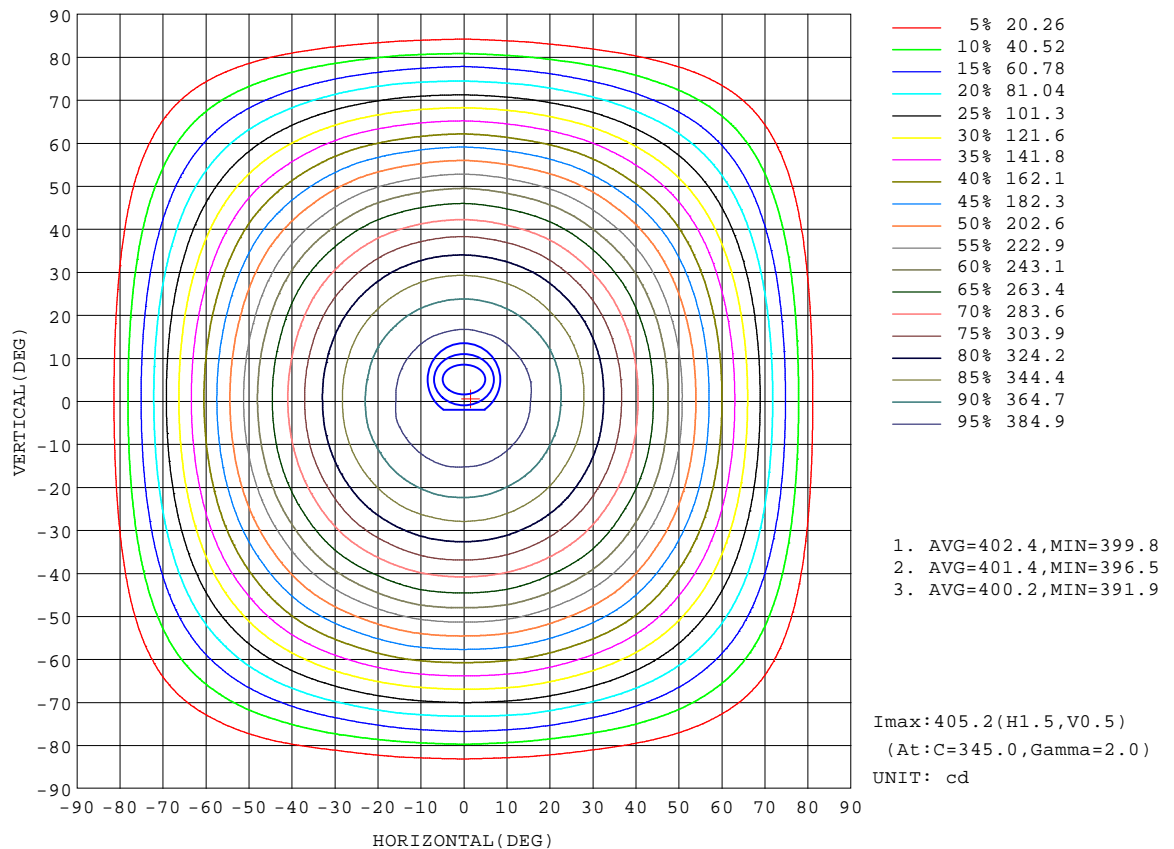
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	48	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	57
1.50	88	79	72	87	78	71	83	76	70	62
2.00	95	87	81	93	86	80	90	83	78	70
2.50	99	91	86	97	90	85	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:OHS  
Test Date:18 October 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: Z-DL-10e

## ISOCANDELA DIAGRAM

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



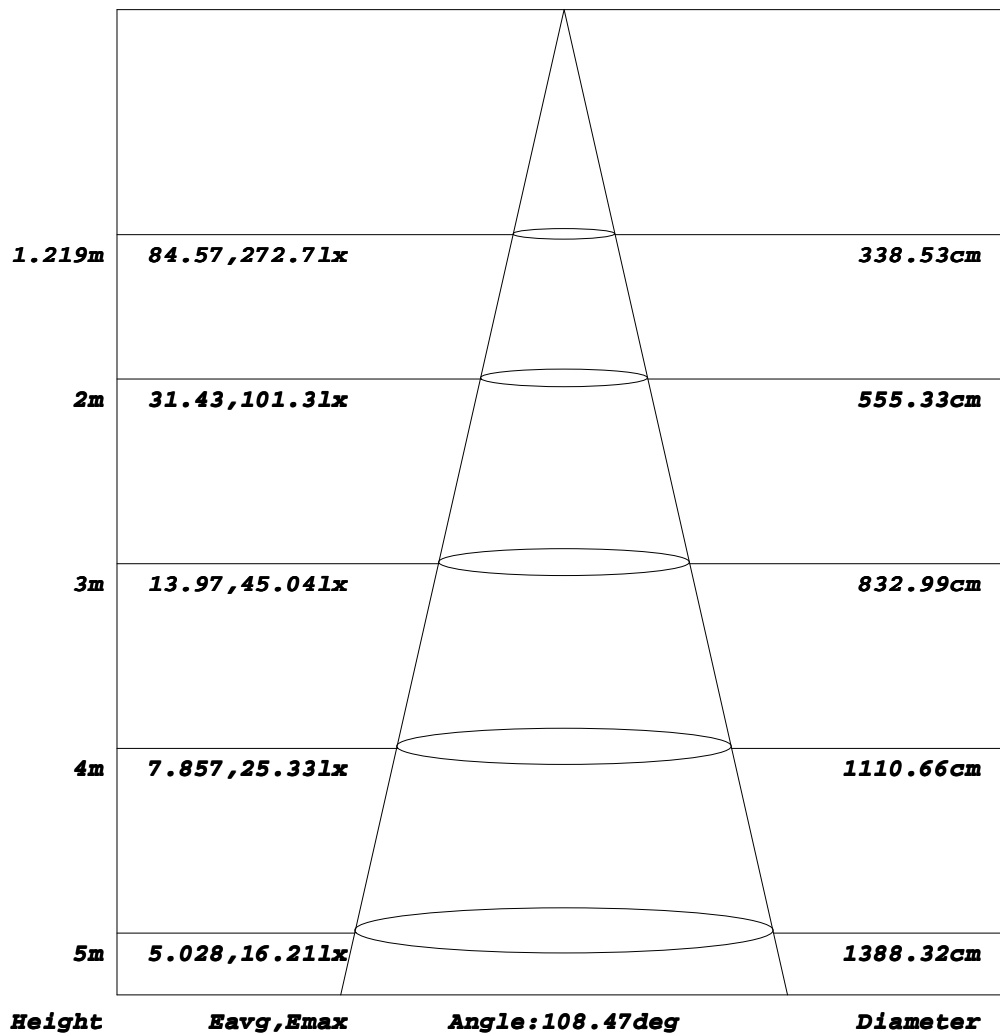
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:OHS  
Test Date:18 October 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: Z-DL-10e



**AAI Figure**

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

**Flux out:805.5 lm**


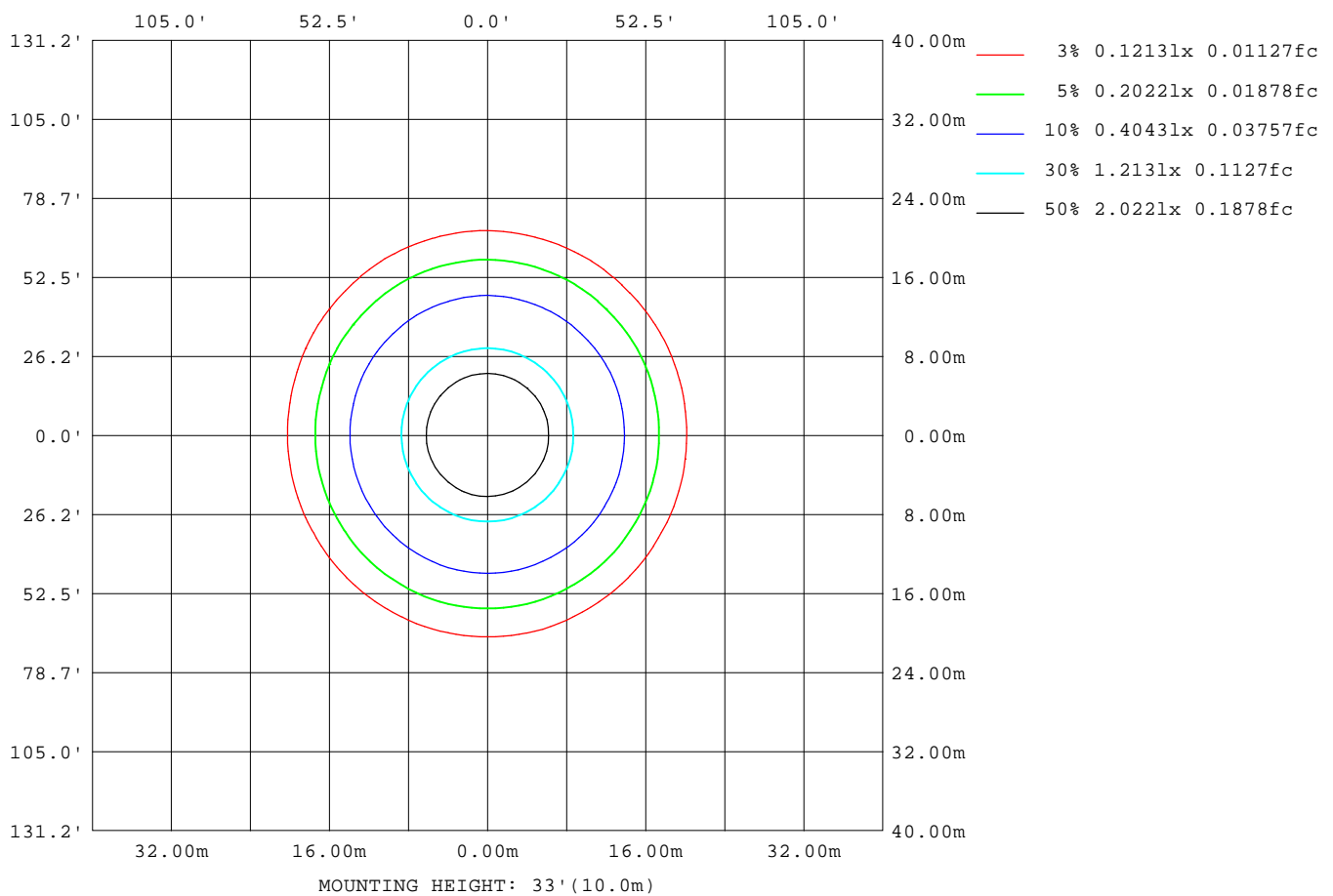
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: OHS**  
**Test Date: 18 October 2022**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: Z-DL-10e**

## ISOLUX DIAGRAM

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: OHS**  
**Test Date: 18 October 2022**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: Z-DL-10e**

## LED Avg.L Report

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

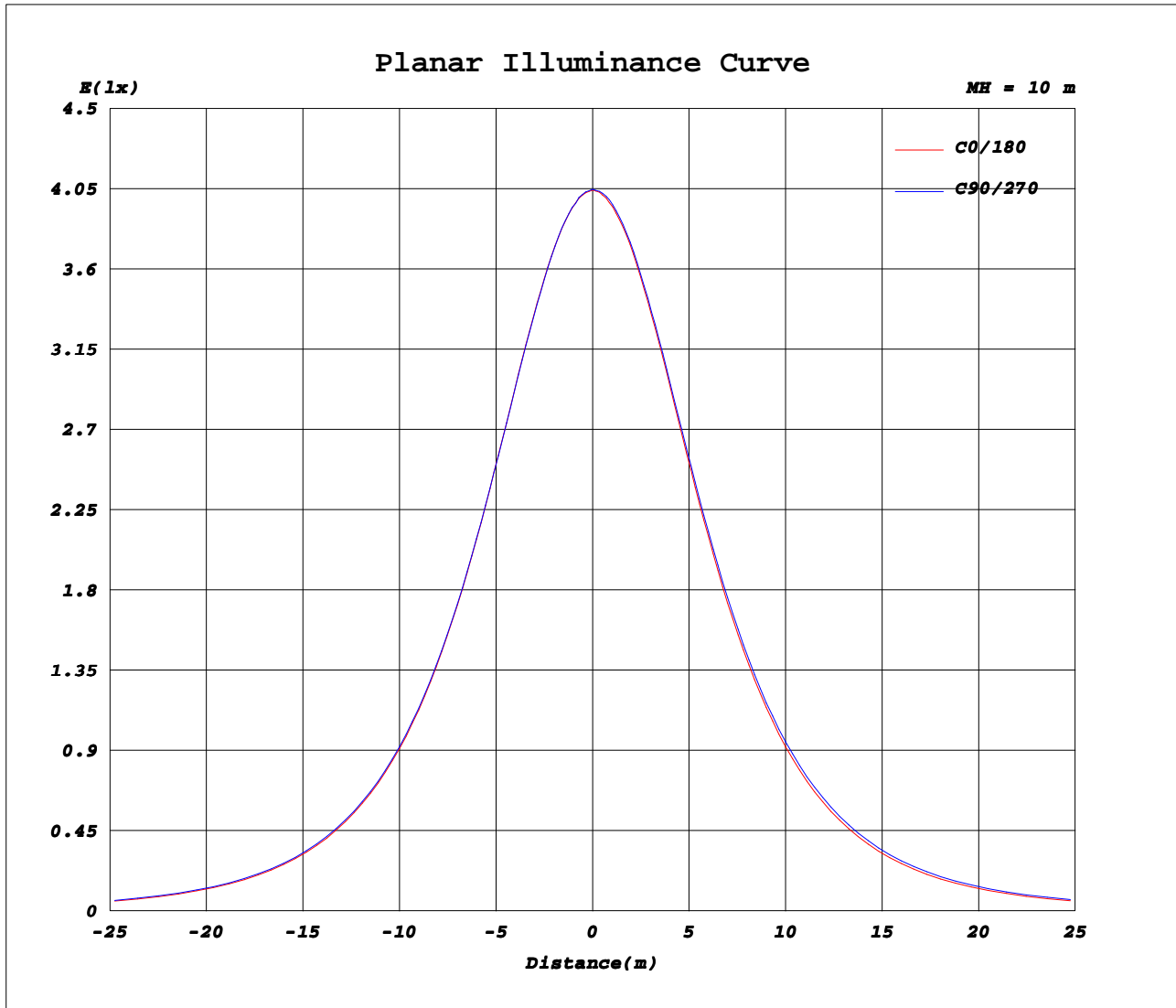
AvgL	cd/m2
L_0~180(65)av	3064
L_0~180(75)av	2331
L_0~180(85)av	358
L_90~270(65)av	3284
L_90~270(75)av	2873
L_90~270(85)av	1459
L_45(65)av	3161
L_45(75)av	2533
L_45(85)av	762

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:OHS**  
**Test Date:18 October 2022**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: Z-DL-10e**

**Planar Illuminance Curve**



**C Range:** 0 - 360DEG  
**C Interval:** 15.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** OHS  
**Test Date:** 18 October 2022

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
**Humidity:** 65.0%  
**Test Distance:** 8.100m [K=1.0000]  
**Remarks:** Z-DL-10e

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm																		
NAME: 6"다운라이트-(1)									TYPE:LED					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:1				
MFR.: ICEPIPE									SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	404	404	404	404	404	404	405	405	404	405	405	405	404	404	404	404	404	404	405
5	402	402	402	402	402	402	402	402	402	403	403	403	402	402	402	402	403	403	403
10	396	396	395	395	395	395	396	396	397	396	397	397	397	397	397	397	397	397	398
15	386	386	386	385	385	386	386	386	387	387	387	388	387	388	388	388	389	389	389
20	373	372	372	372	372	372	372	373	373	374	374	375	374	374	375	376	376	376	377
25	356	356	355	355	355	355	355	356	356	357	357	358	357	358	359	360	361	360	360
30	335	335	335	335	335	336	336	336	336	337	336	338	337	338	340	341	341	341	341
35	312	312	312	312	313	313	313	314	313	314	313	314	314	315	317	318	319	320	320
40	286	286	286	287	287	288	288	289	288	289	288	288	289	290	292	293	295	295	295
45	258	259	258	260	260	261	261	262	260	261	259	261	261	262	265	266	268	268	269
50	228	228	227	229	230	232	231	232	231	231	229	230	231	232	235	236	239	239	240
55	196	196	196	198	198	200	200	201	199	199	197	198	199	200	203	205	208	208	209
60	162	163	162	165	165	167	167	168	166	165	164	164	165	166	170	171	175	175	176
65	128	128	129	131	132	135	135	134	133	131	130	130	131	132	136	138	141	142	143
70	93.5	93.8	94.4	96.6	99.0	101	102	101	98.8	96.9	95.0	95.0	95.9	97.7	101	104	108	109	109
75	59.3	59.6	60.5	63.0	67.4	69.5	70.7	70.1	67.1	63.3	61.2	60.7	61.4	63.1	66.8	69.9	75.3	77.0	78.0
80	26.9	27.5	28.8	31.3	33.3	36.9	38.9	37.3	33.6	31.9	29.5	28.5	28.8	30.4	34.0	37.2	41.1	44.5	46.3
85	2.96	3.11	3.54	5.35	6.84	8.94	9.56	9.19	7.20	5.80	3.96	3.42	3.28	3.81	5.67	8.59	11.9	14.3	15.9
90	1.29	1.59	1.31	1.37	1.39	1.82	2.01	1.87	1.37	1.34	1.32	1.40	0.92	1.19	0.92	0.94	0.97	1.15	1.48
95	1.50	1.74	1.70	2.10	2.33	3.16	3.62	3.29	2.45	2.05	1.80	1.61	1.14	1.31	1.36	1.61	1.78	2.28	3.00
100	1.77	2.04	1.84	2.45	3.42	3.90	4.18	3.98	3.30	2.46	2.15	1.97	1.43	1.52	1.47	1.72	2.69	3.39	3.40
105	2.00	2.21	2.22	3.02	3.64	4.06	4.36	4.24	3.61	2.84	2.50	2.25	1.68	1.70	1.71	2.44	2.99	3.53	3.67
110	2.24	2.41	2.51	3.22	3.78	4.09	4.37	4.26	3.74	3.10	2.75	2.47	1.88	1.93	1.95	2.60	3.11	3.54	3.68
115	2.51	2.62	2.58	3.38	3.89	4.16	4.37	4.23	3.73	2.78	2.75	2.73	2.19	2.22	2.19	2.74	3.19	3.55	3.69
120	2.80	2.86	2.61	3.13	3.91	4.22	4.35	4.22	3.66	2.81	2.87	3.00	2.47	2.51	2.26	2.89	3.26	3.56	3.68
125	2.78	2.90	2.88	3.10	3.95	4.20	4.25	4.16	3.72	2.93	3.00	3.24	2.63	2.76	2.43	2.71	3.39	3.56	3.68
130	3.02	3.39	3.08	3.21	3.47	4.25	4.28	4.21	3.31	3.09	3.24	3.38	2.75	2.98	2.57	2.63	3.16	3.65	3.70
135	3.23	3.47	3.56	3.37	3.48	3.55	3.60	3.55	3.47	3.41	3.54	3.44	2.84	3.00	2.95	2.81	2.90	2.96	3.14
140	3.45	3.86	3.76	3.87	3.55	3.63	3.68	3.63	3.55	3.82	3.81	3.82	3.07	3.45	3.27	3.31	2.96	3.06	3.10
145	3.65	3.78	3.62	4.07	4.19	3.72	3.87	3.78	4.03	3.79	3.67	3.92	3.37	3.46	3.19	3.58	3.58	3.23	3.33
150	3.85	3.78	4.00	3.85	4.35	4.35	4.28	4.42	4.18	3.83	3.85	3.80	3.43	3.42	3.47	3.52	3.97	3.91	3.89
155	3.97	3.98	4.28	4.05	4.05	4.26	4.21	4.15	4.03	4.18	4.20	3.98	3.68	3.68	3.83	3.68	3.80	3.82	3.83
160	4.15	4.14	4.16	4.14	4.20	4.24	4.20	4.19	4.29	4.32	4.23	4.23	4.04	3.97	3.90	3.91	3.95	3.90	3.86
165	4.34	4.31	4.28	4.28	4.28	4.43	4.48	4.51	4.36	4.37	4.30	4.40	4.28	4.17	4.06	4.05	4.05	4.13	4.21
170	4.35	4.35	4.35	4.37	4.47	4.56	4.58	4.58	4.51	4.41	4.38	4.38	4.22	4.22	4.21	4.22	4.29	4.36	4.39
175	4.40	4.41	4.42	4.45	4.51	4.52	4.53	4.52	4.50	4.46	4.45	4.43	4.35	4.35	4.36	4.39	4.41	4.42	4.43
180	4.43	4.43	4.43	4.44	4.44	4.43	4.44	4.44	4.45	4.46	4.45	4.44	4.43	4.43	4.43	4.44	4.44	4.44	4.44

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:OHS

Test Date:18 October 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:8.100m [K=1.0000]

Remarks: Z-DL-10e

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.0487A P:9.841W PF:0.9183 Lamp Flux:1124.57x1 lm		
NAME: 6"다운라이트-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	405	404	405	405	405													
5	403	403	403	403	403													
10	398	398	397	398	397													
15	388	388	388	388	387													
20	376	376	375	375	374													
25	360	360	359	358	358													
30	340	340	339	338	337													
35	319	318	316	315	314													
40	294	293	291	290	288													
45	266	266	263	262	260													
50	237	236	233	232	230													
55	206	205	201	200	198													
60	174	172	168	167	164													
65	140	138	134	132	130													
70	107	104	100.0	97.5	95.1													
75	74.8	72.7	66.0	63.2	60.7													
80	42.8	37.9	33.8	30.9	28.3													
85	13.0	9.98	6.83	4.35	3.19													
90	1.16	1.00	0.99	0.94	1.02													
95	2.50	1.88	1.53	1.37	1.19													
100	3.59	2.60	1.88	1.57	1.40													
105	3.63	2.23	2.33	1.87	1.65													
110	3.49	2.32	2.51	2.07	1.84													
115	3.62	2.73	2.66	2.20	2.13													
120	3.70	3.02	2.75	2.21	2.41													
125	3.71	2.88	2.44	2.35	2.49													
130	3.76	2.67	2.57	2.71	2.78													
135	2.91	2.79	2.90	3.04	2.90													
140	3.03	2.96	3.34	3.34	3.25													
145	3.21	3.61	3.38	3.22	3.40													
150	4.02	3.89	3.49	3.44	3.46													
155	3.88	3.68	3.78	3.85	3.63													
160	3.86	3.85	3.89	3.95	3.89													
165	4.21	4.05	4.07	4.05	4.10													
170	4.40	4.35	4.23	4.21	4.22													
175	4.44	4.42	4.39	4.36	4.35													
180	4.44	4.45	4.46	4.44	4.43													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:OHS

Test Date:18 October 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:8.100m [K=1.0000]

Remarks: Z-DL-10e

## Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	404.3	403.8	403.6	404.0	404.3	404.5	404.7	404.7	404.5	404.9
3.0	403.1	403.2	403.1	402.9	403.1	403.4	403.4	403.7	404.5	404.0
6.0	400.9	401.1	400.4	400.5	400.5	401.3	401.1	401.6	401.6	401.6
9.0	397.4	397.4	397.1	396.7	396.9	397.2	397.6	397.5	397.9	398.6
12.0	392.3	392.6	392.1	391.6	391.7	392.2	392.2	392.8	392.9	393.5
15.0	386.0	386.1	385.8	385.3	385.5	385.6	385.6	386.5	386.7	387.0
18.0	378.6	378.4	378.3	377.5	377.6	378.0	378.0	378.6	378.5	379.7
21.0	369.9	369.1	369.0	368.8	368.8	369.1	369.3	369.8	370.2	371.1
24.0	359.1	359.3	358.9	358.8	358.8	359.1	359.0	359.6	359.8	360.4
27.0	348.2	347.9	347.0	347.5	347.3	347.9	347.9	348.6	349.1	349.0
30.0	335.4	335.5	334.7	334.9	335.2	335.8	335.8	336.4	336.4	336.9
33.0	321.7	321.7	321.2	321.6	321.7	322.4	322.8	323.1	323.0	323.3
36.0	307.3	306.9	306.7	307.2	307.6	308.4	308.4	309.0	308.7	309.2
39.0	291.4	291.4	291.0	292.0	292.4	293.4	293.4	294.0	293.8	293.5
42.0	275.1	275.6	274.9	276.3	276.4	277.7	277.5	278.1	277.2	277.7
45.0	257.8	258.7	257.6	259.7	259.6	261.2	260.9	261.9	260.3	261.0
48.0	239.9	240.7	239.8	241.5	241.9	243.8	243.2	244.4	242.8	242.9
51.0	221.3	222.2	221.3	223.2	223.3	225.4	225.2	225.8	224.3	224.3
54.0	202.1	202.8	202.0	204.2	204.3	206.7	206.2	206.9	205.2	205.3
57.0	182.4	183.1	182.5	184.7	184.8	187.4	186.9	187.5	185.5	185.6
60.0	161.9	162.9	162.4	164.7	165.1	167.4	167.0	167.8	165.7	165.4
63.0	141.7	142.4	142.1	144.3	145.0	147.5	147.1	147.7	145.6	145.0
66.0	121.3	121.5	121.9	123.8	125.4	128.0	127.9	127.5	125.8	124.4
69.0	100.5	100.7	101.2	103.5	105.5	108.3	108.1	107.5	105.5	103.7
72.0	79.60	79.90	80.71	83.09	85.80	88.17	88.70	88.26	85.36	83.32
75.0	59.26	59.59	60.49	63.02	67.35	69.47	70.67	70.08	67.11	63.29
78.0	39.43	39.97	41.18	43.53	47.41	49.70	53.14	50.97	46.08	43.94
81.0	20.94	21.55	22.92	25.36	27.43	30.71	32.79	31.37	27.66	25.94
84.0	5.809	6.127	7.086	9.426	11.31	14.11	15.18	14.26	11.63	9.811
87.0	1.558	1.858	1.571	1.689	1.841	2.338	2.968	2.523	1.968	1.777
90.0	1.293	1.588	1.311	1.368	1.394	1.823	2.012	1.866	1.371	1.344
93.0	1.399	1.541	1.534	2.091	2.150	2.869	3.210	2.979	2.193	1.961
96.0	1.547	1.744	1.706	2.153	2.426	3.354	3.575	3.537	2.532	2.111
99.0	1.705	1.962	1.831	2.253	3.332	3.831	3.895	3.895	3.188	2.362
102.0	1.887	2.073	1.951	2.803	3.537	3.974	4.285	4.132	3.434	2.646
105.0	1.998	2.208	2.217	3.022	3.639	4.062	4.360	4.243	3.606	2.845
108.0	2.133	2.338	2.393	3.156	3.728	4.104	4.363	4.262	3.690	2.998
111.0	2.287	2.445	2.570	3.245	3.802	4.104	4.364	4.248	3.746	3.082
114.0	2.454	2.580	2.681	3.351	3.867	4.146	4.363	4.230	3.731	3.064
117.0	2.635	2.701	2.524	3.122	3.918	4.202	4.369	4.248	3.723	2.649
120.0	2.798	2.859	2.607	3.134	3.909	4.220	4.346	4.220	3.658	2.809
123.0	2.793	2.863	2.751	3.465	3.923	4.174	4.253	4.123	3.695	2.905
126.0	2.816	2.984	2.923	3.026	3.960	4.206	4.253	4.178	3.737	2.984
129.0	2.961	3.347	3.053	3.179	3.578	4.230	4.262	4.197	3.379	3.086
132.0	3.100	3.393	3.304	3.240	3.374	3.825	4.230	3.690	3.402	3.231
135.0	3.234	3.473	3.565	3.374	3.476	3.547	3.603	3.547	3.467	3.415
138.0	3.383	3.715	3.741	3.627	3.495	3.658	3.713	3.658	3.495	3.811
141.0	3.495	3.900	3.654	3.909	3.569	3.644	3.686	3.653	3.546	3.839
144.0	3.620	3.843	3.597	4.044	4.046	3.709	3.848	3.691	3.964	3.797
147.0	3.713	3.709	3.690	3.862	4.308	4.234	4.184	4.318	4.196	3.858
150.0	3.848	3.784	3.996	3.853	4.351	4.351	4.281	4.416	4.179	3.830
153.0	3.932	3.914	4.210	3.960	4.099	4.262	4.323	4.127	4.053	4.012
156.0	3.992	3.993	4.276	4.067	4.076	4.253	4.234	4.122	4.090	4.230
159.0	4.099	4.095	4.179	4.132	4.178	4.230	4.178	4.146	4.253	4.309
162.0	4.280	4.234	4.206	4.197	4.215	4.258	4.243	4.262	4.327	4.360
165.0	4.341	4.309	4.280	4.281	4.280	4.426	4.476	4.513	4.364	4.374
168.0	4.355	4.350	4.327	4.327	4.387	4.509	4.564	4.532	4.448	4.365
171.0	4.355	4.355	4.369	4.397	4.499	4.573	4.587	4.573	4.522	4.430
174.0	4.392	4.392	4.401	4.443	4.499	4.527	4.532	4.522	4.508	4.471
177.0	4.420	4.425	4.434	4.462	4.467	4.466	4.462	4.462	4.467	4.457
180.0	4.434	4.434	4.434	4.443	4.443	4.434	4.439	4.439	4.448	4.457
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	405.1	405.3	404.3	403.8	403.6	404.0	404.3	404.5	404.7	404.7
3.0	404.0	404.7	403.1	403.7	403.6	403.5	403.8	404.0	404.2	404.4
6.0	402.2	402.7	401.3	401.1	401.9	401.9	402.3	402.6	402.4	402.5
9.0	398.7	399.0	398.0	398.3	398.8	398.5	398.9	399.1	399.4	398.9
12.0	393.7	393.7	393.2	393.6	394.1	393.9	394.4	394.6	394.9	394.6
15.0	387.0	387.9	386.9	387.9	388.0	388.0	388.7	388.9	388.8	388.5
18.0	379.4	380.3	379.7	380.6	381.0	381.1	381.8	381.5	382.1	381.5
21.0	370.9	371.6	371.2	371.5	372.5	372.9	373.4	373.6	373.3	373.0
24.0	360.4	361.2	360.8	361.8	362.8	363.1	363.5	363.8	363.9	363.6
27.0	349.1	350.0	349.7	350.5	351.7	352.3	353.2	353.0	353.1	352.5
30.0	336.4	337.6	337.4	338.2	339.6	340.6	341.4	341.5	341.4	340.3

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: OHS

Test Date: 18 October 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.100m [K=1.0000]

Remarks: Z-DL-10e

## Photometric Data Table [cd]

33.0	323.1	323.6	323.7	324.8	326.3	327.5	328.4	328.8	328.8	327.5
36.0	308.4	309.3	309.2	310.2	312.5	313.4	314.7	314.9	314.7	313.7
39.0	293.2	293.6	293.9	295.3	297.2	298.7	300.1	300.0	300.4	298.6
42.0	276.8	277.5	278.1	278.8	281.3	282.7	284.4	284.6	284.7	282.9
45.0	259.5	260.7	260.9	261.8	264.8	266.0	268.4	268.0	268.7	266.2
48.0	241.7	242.6	243.3	244.3	247.2	248.2	251.1	250.7	251.5	249.2
51.0	222.8	223.8	224.5	225.4	228.8	230.1	232.9	232.7	233.9	231.2
54.0	203.4	204.6	205.5	206.3	209.8	211.1	214.1	214.1	215.2	212.3
57.0	183.8	184.7	185.4	186.6	190.1	191.6	194.8	195.0	196.0	193.2
60.0	163.5	164.3	165.3	166.3	170.0	171.5	175.1	175.2	176.3	173.6
63.0	142.5	143.9	144.7	145.6	149.5	151.2	154.8	155.2	156.3	153.4
66.0	122.8	122.7	123.7	125.5	128.9	131.4	134.6	135.8	136.2	133.9
69.0	102.0	101.8	102.8	104.7	107.9	110.9	114.3	115.7	116.3	114.1
72.0	81.36	81.11	81.99	83.77	87.30	90.31	94.06	96.08	96.04	94.11
75.0	61.16	60.72	61.40	63.14	66.76	69.93	75.35	76.99	78.02	74.82
78.0	41.74	41.03	41.50	43.15	46.77	49.95	54.08	56.93	59.68	55.26
81.0	23.51	22.41	22.58	24.11	27.75	31.04	34.61	38.57	39.10	36.24
84.0	7.564	6.685	6.647	7.568	10.25	13.36	17.05	19.63	21.17	18.82
87.0	1.647	1.674	1.277	1.553	1.530	2.298	3.656	4.861	5.501	4.176
90.0	1.316	1.399	0.9203	1.190	0.9156	0.9439	0.9714	1.153	1.478	1.162
93.0	1.631	1.474	1.027	1.032	1.020	1.319	1.380	1.937	2.454	1.948
96.0	1.877	1.674	1.191	1.292	1.334	1.604	1.823	2.421	3.142	2.689
99.0	2.077	1.897	1.367	1.455	1.432	1.692	2.418	3.288	3.315	3.505
102.0	2.365	2.092	1.552	1.598	1.501	2.107	2.891	3.476	3.546	3.685
105.0	2.505	2.250	1.683	1.700	1.706	2.435	2.993	3.532	3.667	3.630
108.0	2.648	2.361	1.785	1.836	1.855	2.523	3.058	3.548	3.672	3.560
111.0	2.793	2.519	1.953	1.993	2.003	2.626	3.128	3.539	3.690	3.481
114.0	2.849	2.668	2.129	2.161	2.143	2.709	3.179	3.546	3.695	3.583
117.0	2.761	2.868	2.306	2.342	2.180	2.802	3.226	3.560	3.686	3.672
120.0	2.872	3.003	2.473	2.510	2.264	2.891	3.258	3.557	3.681	3.700
123.0	2.951	3.156	2.570	2.658	2.348	2.965	3.333	3.559	3.676	3.705
126.0	3.035	3.273	2.649	2.816	2.464	2.617	3.407	3.583	3.686	3.713
129.0	3.169	3.360	2.742	2.961	2.556	2.584	3.489	3.625	3.704	3.741
132.0	3.365	3.416	2.742	2.965	2.668	2.705	3.608	3.676	3.723	3.385
135.0	3.541	3.440	2.836	2.997	2.947	2.807	2.896	2.957	3.136	2.914
138.0	3.755	3.626	2.943	3.243	3.157	2.904	2.905	3.053	3.068	3.035
141.0	3.774	3.900	3.156	3.504	3.267	3.369	3.012	3.058	3.086	3.049
144.0	3.695	3.982	3.351	3.523	3.193	3.523	3.380	3.170	3.263	3.165
147.0	3.704	3.830	3.393	3.374	3.249	3.440	3.825	3.648	3.580	3.752
150.0	3.848	3.802	3.425	3.416	3.474	3.523	3.974	3.909	3.885	4.020
153.0	4.090	3.909	3.561	3.574	3.751	3.555	3.769	4.039	3.965	3.939
156.0	4.234	4.030	3.742	3.723	3.872	3.727	3.798	3.858	3.863	3.900
159.0	4.234	4.188	3.979	3.912	3.904	3.895	3.914	3.848	3.816	3.834
162.0	4.229	4.318	4.206	4.085	3.965	3.983	4.002	3.951	3.937	3.932
165.0	4.304	4.397	4.276	4.169	4.063	4.053	4.048	4.130	4.206	4.206
168.0	4.355	4.383	4.239	4.211	4.146	4.155	4.174	4.257	4.328	4.309
171.0	4.392	4.388	4.234	4.243	4.239	4.275	4.327	4.406	4.420	4.434
174.0	4.443	4.425	4.318	4.327	4.336	4.360	4.397	4.429	4.480	4.467
177.0	4.462	4.434	4.392	4.401	4.406	4.420	4.406	4.411	4.420	4.420
180.0	4.448	4.439	4.429	4.429	4.434	4.439	4.443	4.439	4.439	4.443
G/C	300.0	315.0	330.0	345.0						
0.0	404.5	404.9	405.1	405.3						
3.0	404.5	404.4	404.4	404.4						
6.0	402.3	402.5	402.3	402.5						
9.0	399.4	399.1	398.9	399.0						
12.0	394.9	394.2	394.3	393.9						
15.0	388.3	388.0	388.1	387.4						
18.0	381.3	380.3	380.6	380.6						
21.0	373.0	371.9	371.9	370.9						
24.0	363.4	362.4	361.9	361.2						
27.0	352.0	350.9	350.7	349.8						
30.0	339.6	338.9	338.3	337.2						
33.0	327.0	325.4	324.9	323.9						
36.0	312.8	311.2	310.4	309.1						
39.0	298.2	295.9	295.0	293.9						
42.0	282.3	280.1	278.8	276.8						
45.0	265.9	263.0	262.1	259.6						
48.0	248.4	245.0	244.4	241.9						
51.0	230.1	226.6	225.8	223.3						
54.0	211.4	207.6	206.5	204.0						
57.0	191.6	188.2	186.9	184.1						
60.0	172.0	167.8	166.6	164.0						
63.0	151.6	147.2	146.2	142.9						
66.0	131.3	127.6	125.4	123.0						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: OHS

Test Date: 18 October 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.100m [K=1.0000]

Remarks: Z-DL-10e

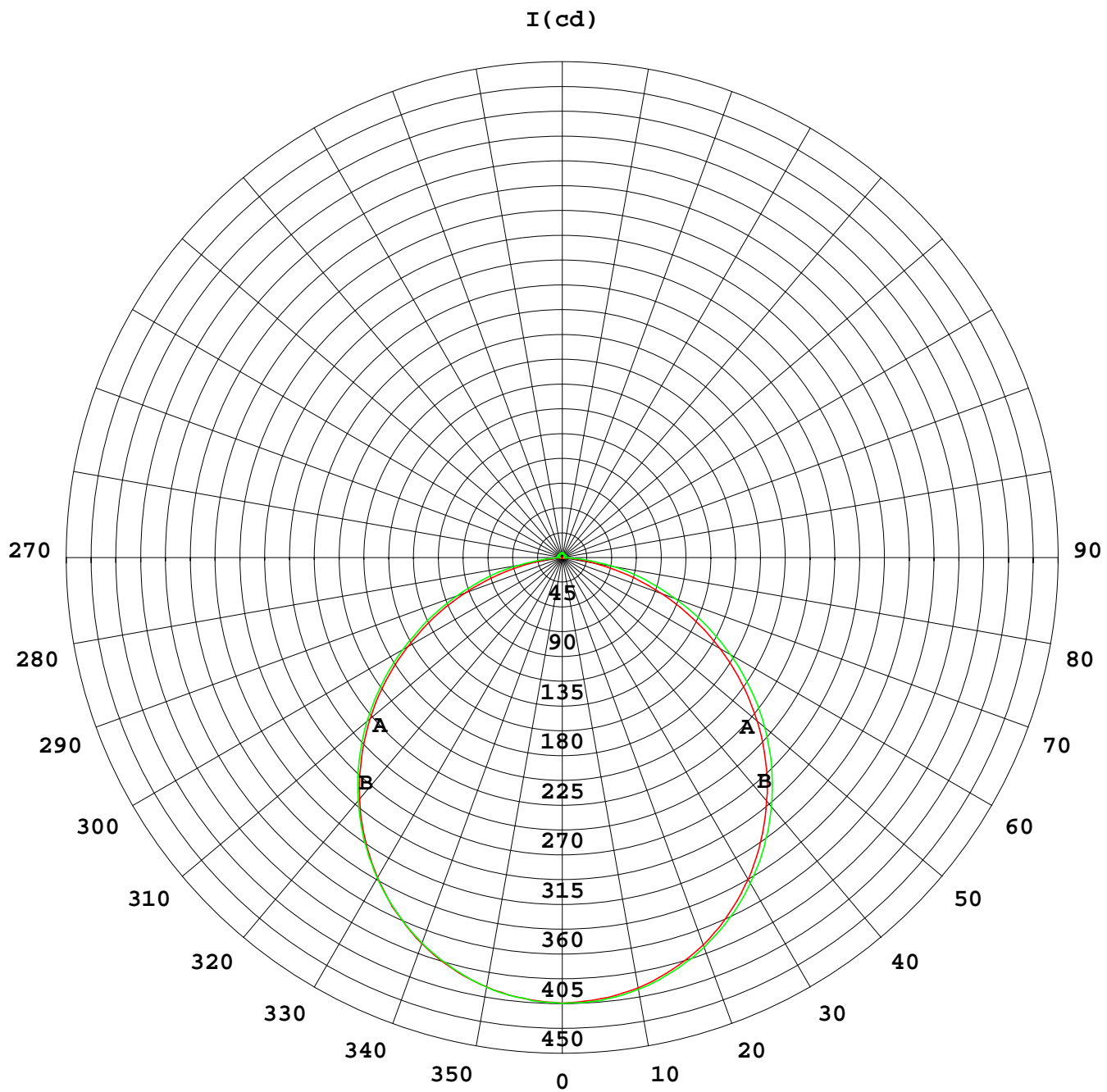


**Photometric Data Table [cd]**

69.0	110.8	106.8	104.3	102.3
72.0	90.68	86.17	83.56	81.30
75.0	72.68	65.97	63.17	60.71
78.0	52.38	46.25	43.41	40.79
81.0	31.68	27.84	24.90	22.26
84.0	14.74	11.39	8.473	6.504
87.0	2.804	1.897	1.411	1.359
90.0	0.9993	0.9908	0.9438	1.018
93.0	1.455	1.408	1.140	1.050
96.0	1.943	1.607	1.394	1.190
99.0	2.534	1.780	1.534	1.347
102.0	2.472	2.150	1.744	1.510
105.0	2.231	2.333	1.869	1.645
108.0	2.273	2.435	1.985	1.766
111.0	2.385	2.565	2.125	1.891
114.0	2.627	2.640	2.263	2.068
117.0	3.026	2.719	2.129	2.276
120.0	3.021	2.747	2.212	2.407
123.0	2.965	2.572	2.282	2.468
126.0	2.821	2.468	2.417	2.505
129.0	2.668	2.574	2.669	2.728
132.0	2.654	2.677	2.877	2.867
135.0	2.789	2.904	3.035	2.900
138.0	2.878	3.322	3.263	3.095
141.0	3.021	3.374	3.314	3.313
144.0	3.456	3.504	3.235	3.421
147.0	3.732	3.462	3.273	3.337
150.0	3.893	3.490	3.436	3.462
153.0	3.741	3.662	3.728	3.569
156.0	3.691	3.834	3.909	3.681
159.0	3.821	3.867	3.964	3.839
162.0	3.923	3.946	3.960	3.987
165.0	4.054	4.067	4.049	4.099
168.0	4.217	4.155	4.146	4.169
171.0	4.365	4.280	4.230	4.239
174.0	4.411	4.369	4.318	4.317
177.0	4.425	4.420	4.397	4.392
180.0	4.448	4.457	4.443	4.434

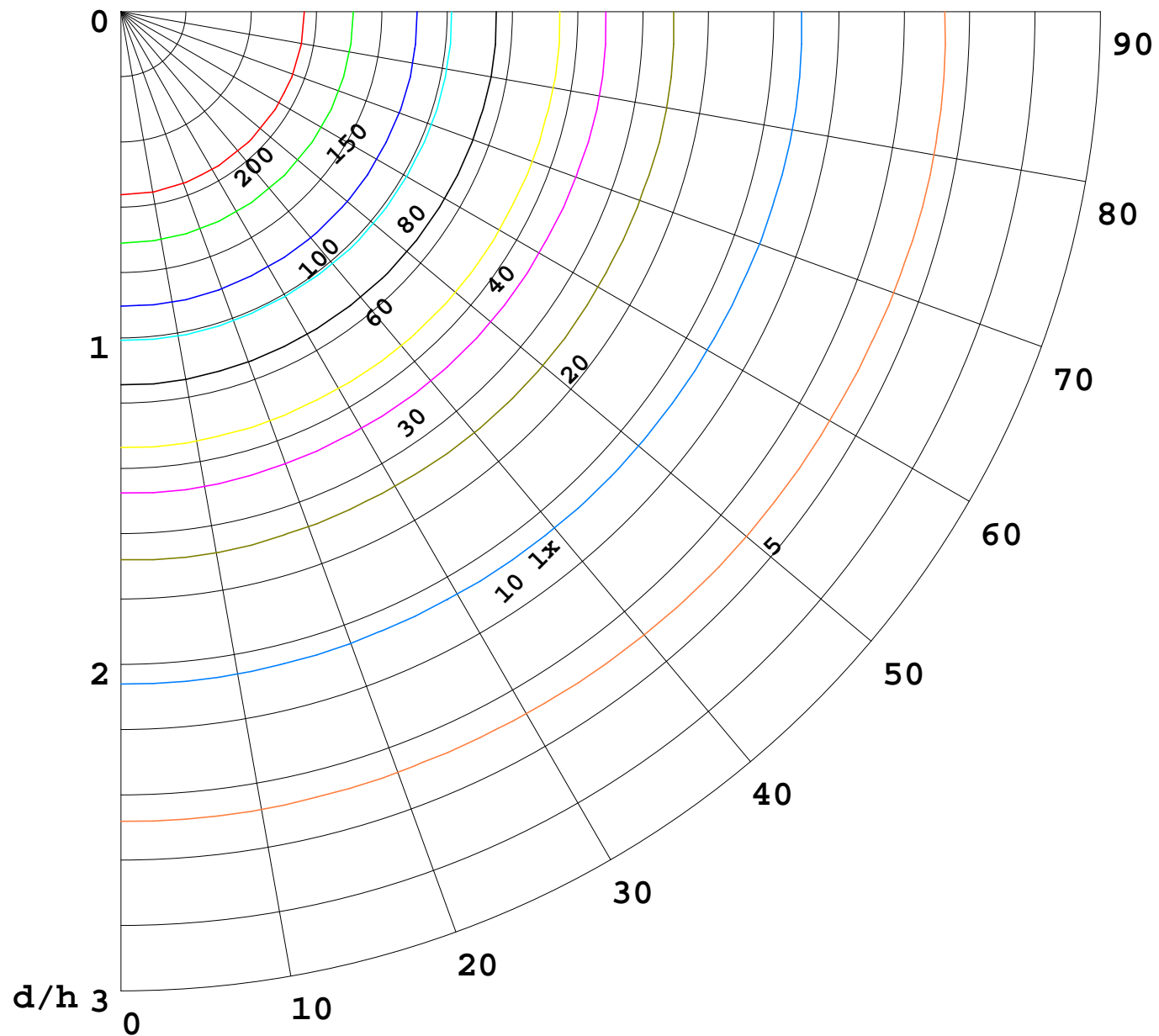
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: OHS**  
**Test Date: 18 October 2022**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: Z-DL-10e**



1000 lm

$K = 1$



**$F$**      = 1000 lm  
 **$K$**      = 0.7  
 **$H_{cc}$**    = 0.8 m  
 **$H_{fc}$**    = 0.0 m  
 **$E_{ave}$**  = 100 lx

	<b><math>P_{cc}</math></b>	<b><math>P_w</math></b>	<b><math>P_{fc}</math></b>
—————	70	50	30
—————	50	30	20

