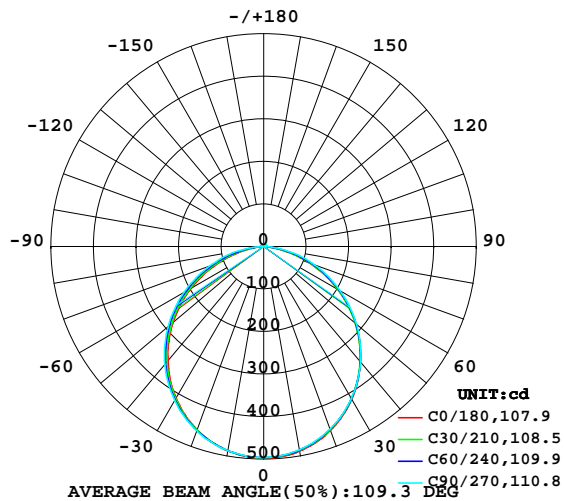


LUMINAIRE PHOTOMETRIC TEST REPORT

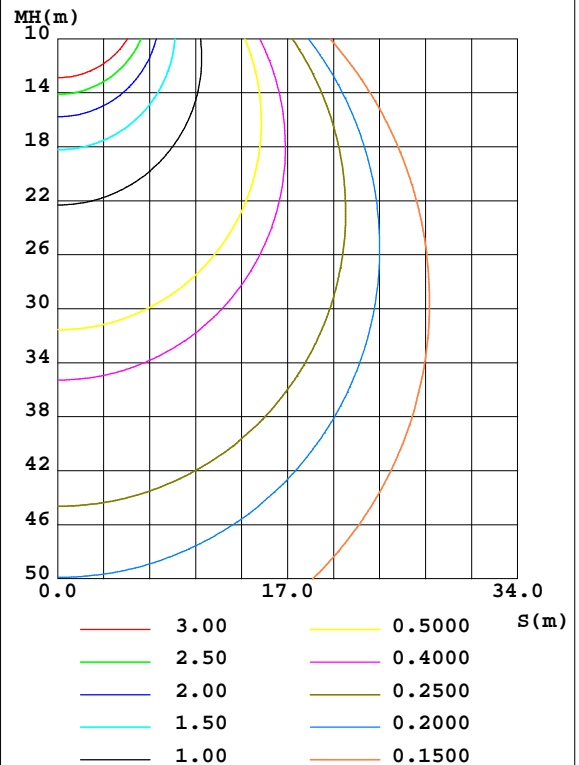
Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.30 lm/W			
MODEL	GD6-10	Imax(cd)	497.9	S/MH(C0/180)	1.24
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1375.8	η UP,DN(C0-180)	0.9,48.7
NOMINAL FLUX(lm)	1375.81	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,49.6
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η 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

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-12e

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	488.4	486.1	485.3	485.6	488.0	487.0	487.2	487.4	0- 10	46.92	46.92	3.41,3.41
20	459.8	458.0	456.9	456.8	458.6	459.2	460.7	460.7	10- 20	134.0	180.9	13.1,13.1
30	414.4	413.1	412.6	411.3	411.7	414.9	418.3	417.0	20- 30	202.0	382.9	27.8,27.8
40	353.9	353.7	354.7	351.9	350.8	355.8	361.5	358.3	30- 40	241.5	624.3	45.4,45.4
50	281.6	282.7	284.9	280.9	278.5	284.8	293.4	287.8	40- 50	247.3	871.7	63.4,63.4
60	200.8	203.5	206.8	201.0	197.3	205.1	216.3	208.3	50- 60	219.2	1091	79.3,79.3
70	115.7	119.2	127.8	117.1	111.7	121.9	135.6	124.8	60- 70	161.4	1252	91,91
80	33.65	40.73	49.64	36.88	30.20	42.74	57.97	42.55	70- 80	85.37	1338	97.2,97.2
90	1.590	1.754	2.845	1.651	1.153	1.191	2.009	1.241	80- 90	14.55	1352	98.3,98.3
100	2.217	3.132	5.219	2.966	1.790	2.440	4.324	2.207	90-100	2.601	1355	98.5,98.5
110	2.900	4.290	5.340	3.607	2.432	3.611	4.513	2.830	100-110	3.636	1358	98.7,98.7
120	3.541	3.451	5.313	3.669	3.082	3.737	4.538	3.226	110-120	3.742	1362	99,99
130	3.709	3.918	5.247	3.807	3.402	3.271	4.555	3.156	120-130	3.534	1366	99.3,99.3
140	4.248	4.820	4.504	4.652	3.831	4.204	3.806	4.025	130-140	3.116	1369	99.5,99.5
150	4.722	4.736	5.247	4.709	4.272	4.336	4.750	4.271	140-150	2.805	1372	99.7,99.7
160	5.164	5.103	5.173	5.396	5.011	4.815	4.746	4.862	150-160	2.245	1374	99.9,99.9
170	5.392	5.382	5.638	5.480	5.261	5.205	5.406	5.284	160-170	1.471	1375	100,100
180	5.475	5.484	5.457	5.475	5.484	5.484	5.461	5.480	170-180	0.5180	1376	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 749.45 lm

%lum = 54.5%

%lamp = 54.5%

Conical surface Flux(120deg): 1090.9 lm

%lum = 79.3%

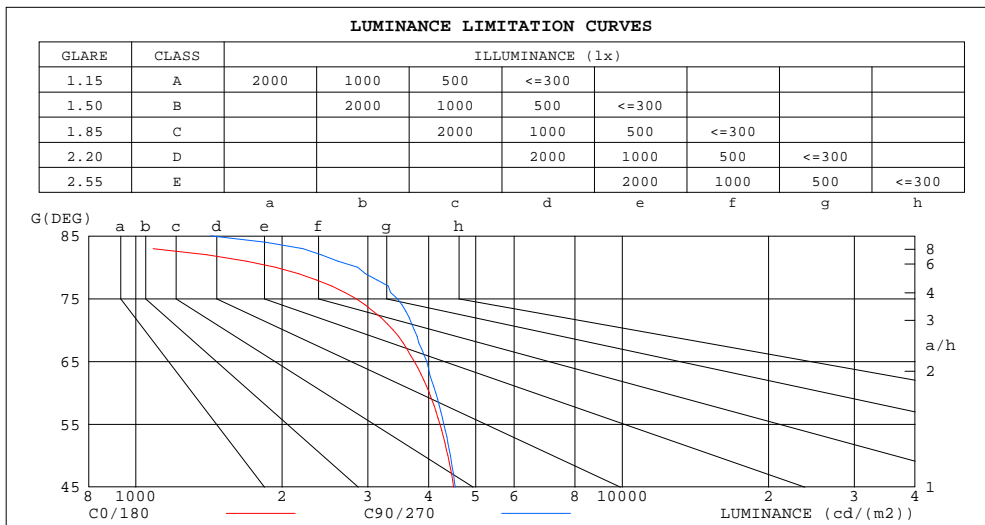
%lamp = 79.3%

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-12e

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	481	1426
80	1938	2859
75	2836	3447
70	3383	3736
65	3740	3967
60	4015	4137
55	4219	4298
50	4381	4433
45	4507	4540

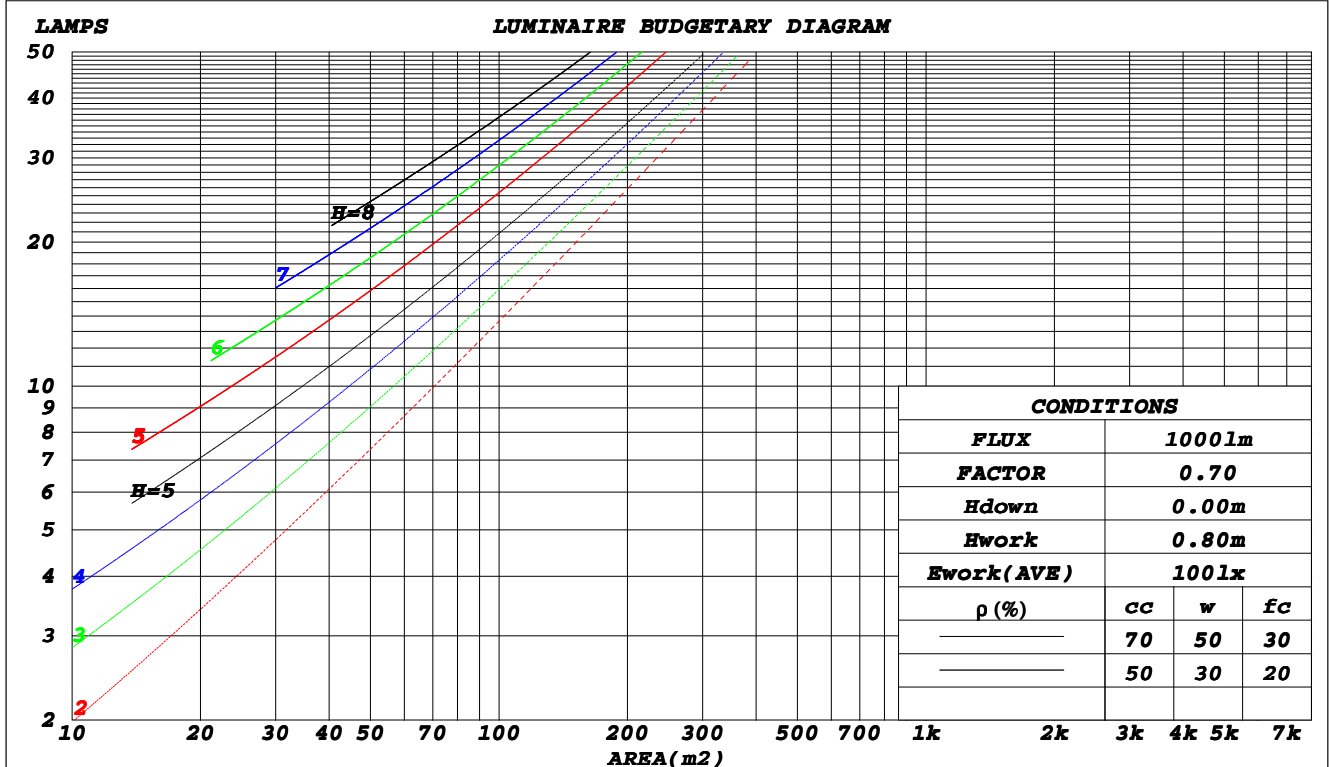
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: OHS
Test Date: 18 October 2022

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-12e

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.70
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.64	.72	.67	.62	.69	.65	.61	.59
4.0	.71	.62	.56	.70	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.55	.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	.51	.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

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-12e

WEC AND CCEC

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.296	.168	.053	.288	.164	.052	.274	.157	.050	.261	.151	.048	.249	.144	.047		
2.0	.282	.155	.047	.276	.152	.047	.263	.146	.045	.252	.141	.044	.241	.136	.043		
3.0	.263	.140	.042	.257	.138	.041	.246	.133	.041	.236	.129	.040	.226	.125	.039		
4.0	.244	.127	.037	.239	.125	.037	.229	.121	.036	.220	.118	.036	.211	.115	.035		
5.0	.226	.115	.033	.221	.114	.033	.213	.111	.033	.204	.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	.024	.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		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.193	.169	.149	.165	.145	.128	.113	.100	.089	.065	.058	.051	.021	.019	.017	
2.0	.184	.145	.112	.158	.125	.097	.108	.087	.068	.062	.050	.040	.020	.016	.013	
3.0	.177	.128	.089	.151	.110	.077	.104	.076	.054	.060	.045	.032	.019	.015	.010	
4.0	.169	.114	.073	.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	.096	.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	.142	.083	.043	.122	.072	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.136	.078	.039	.117	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.032	.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

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-12e

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm										
NAME: 6"다운라이트-12W-(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	17.7	19.2	18.0	19.4	19.7	17.8	19.3	18.1	19.5	19.8
3H	19.0	20.4	19.4	20.7	20.9	19.3	20.7	19.6	20.9	21.2
4H	19.5	20.8	19.8	21.0	21.3	19.9	21.2	20.2	21.5	21.8
6H	19.7	20.9	20.0	21.2	21.5	20.3	21.5	20.6	21.8	22.1
8H	19.7	20.9	20.0	21.2	21.5	20.3	21.5	20.7	21.8	22.1
12H	19.6	20.8	20.0	21.1	21.4	20.3	21.5	20.7	21.8	22.1
4H 2H	18.3	19.6	18.6	19.9	20.1	18.4	19.7	18.7	20.0	20.3
3H	19.8	20.9	20.1	21.2	21.6	20.0	21.1	20.4	21.5	21.8
4H	20.3	21.3	20.7	21.7	22.1	20.7	21.7	21.1	22.1	22.5
6H	20.6	21.5	21.0	21.9	22.3	21.2	22.1	21.6	22.5	22.9
8H	20.6	21.5	21.1	21.9	22.3	21.3	22.1	21.7	22.5	23.0
12H	20.6	21.4	21.0	21.8	22.2	21.3	22.1	21.8	22.5	23.0
8H 4H	20.5	21.4	21.0	21.8	22.2	20.9	21.7	21.3	22.1	22.6
6H	20.9	21.6	21.4	22.0	22.5	21.5	22.1	21.9	22.6	23.0
8H	20.9	21.6	21.4	22.0	22.5	21.6	22.2	22.1	22.7	23.2
12H	20.9	21.5	21.4	21.9	22.5	21.7	22.2	22.2	22.7	23.2
12H 4H	20.5	21.3	21.0	21.7	22.1	20.9	21.6	21.3	22.1	22.5
6H	20.9	21.5	21.4	22.0	22.5	21.5	22.1	21.9	22.5	23.0
8H	21.0	21.5	21.5	22.0	22.5	21.6	22.2	22.1	22.6	23.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1376 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.1)

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-12e

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.8lx1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

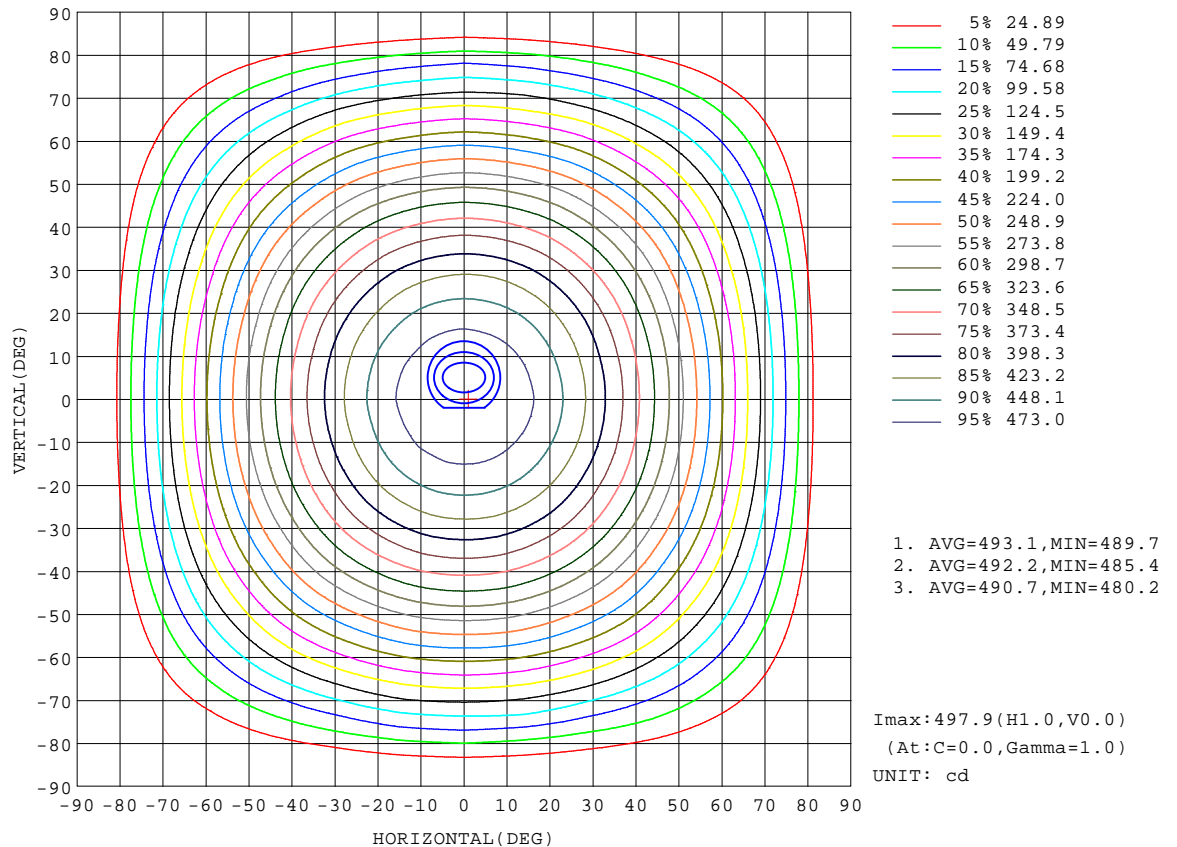
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	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	84	76	70	63
2.00	95	87	81	93	86	80	90	83	78	70
2.50	99	92	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	86
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-12e

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.8lx1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

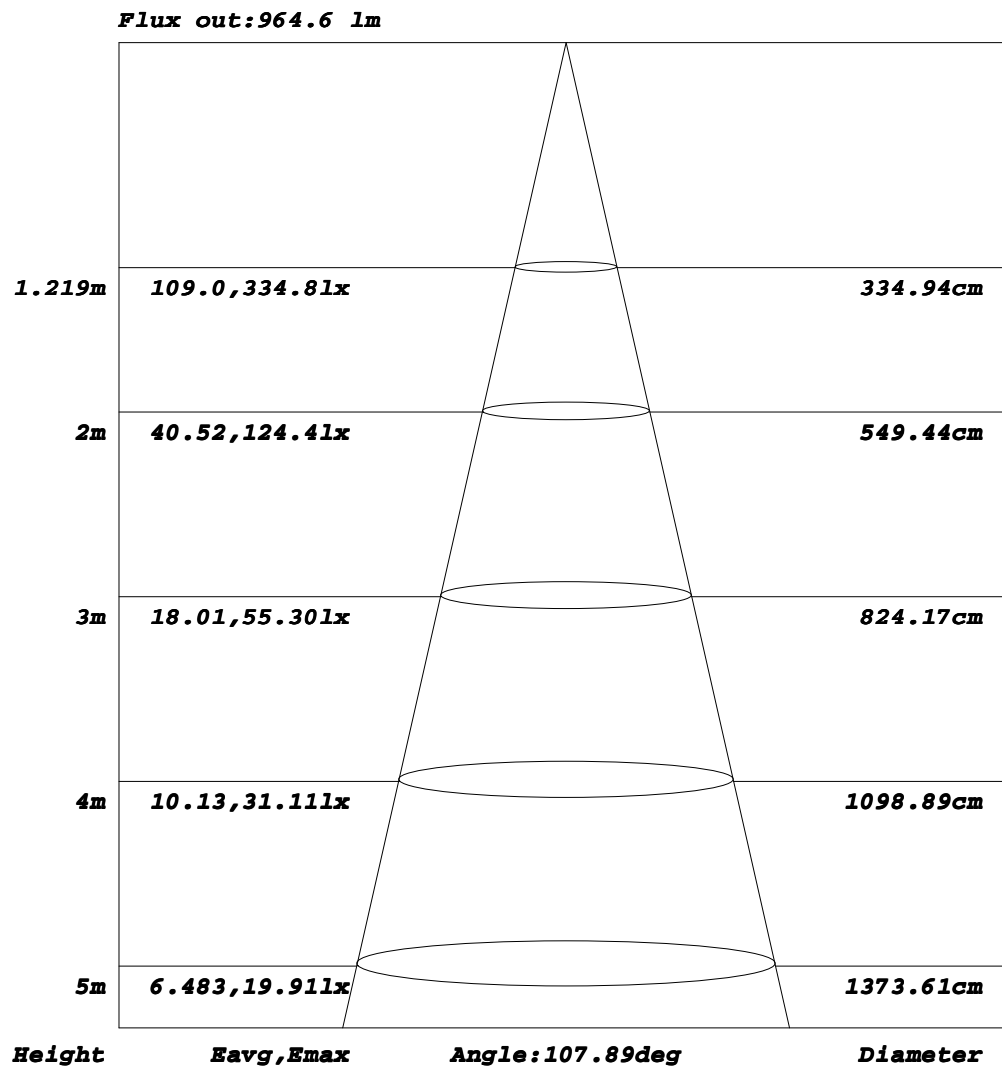


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: OHS
Test Date: 18 October 2022

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-12e

AAI Figure

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



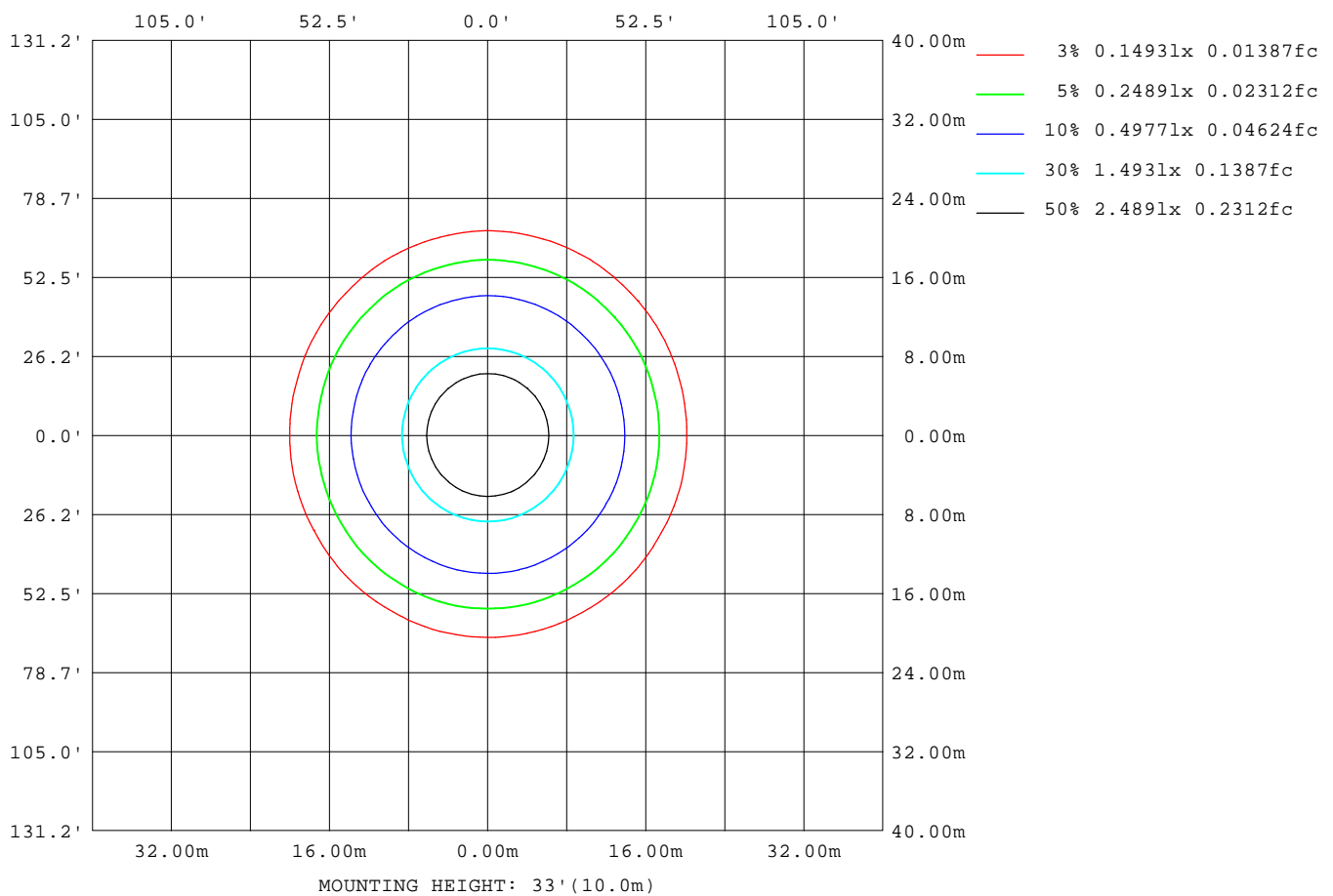
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-12e

ISOLUX DIAGRAM

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.8lx1 lm		
NAME: 6"다운라이트-12W-(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-12e

LED Avg.L Report

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(1)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

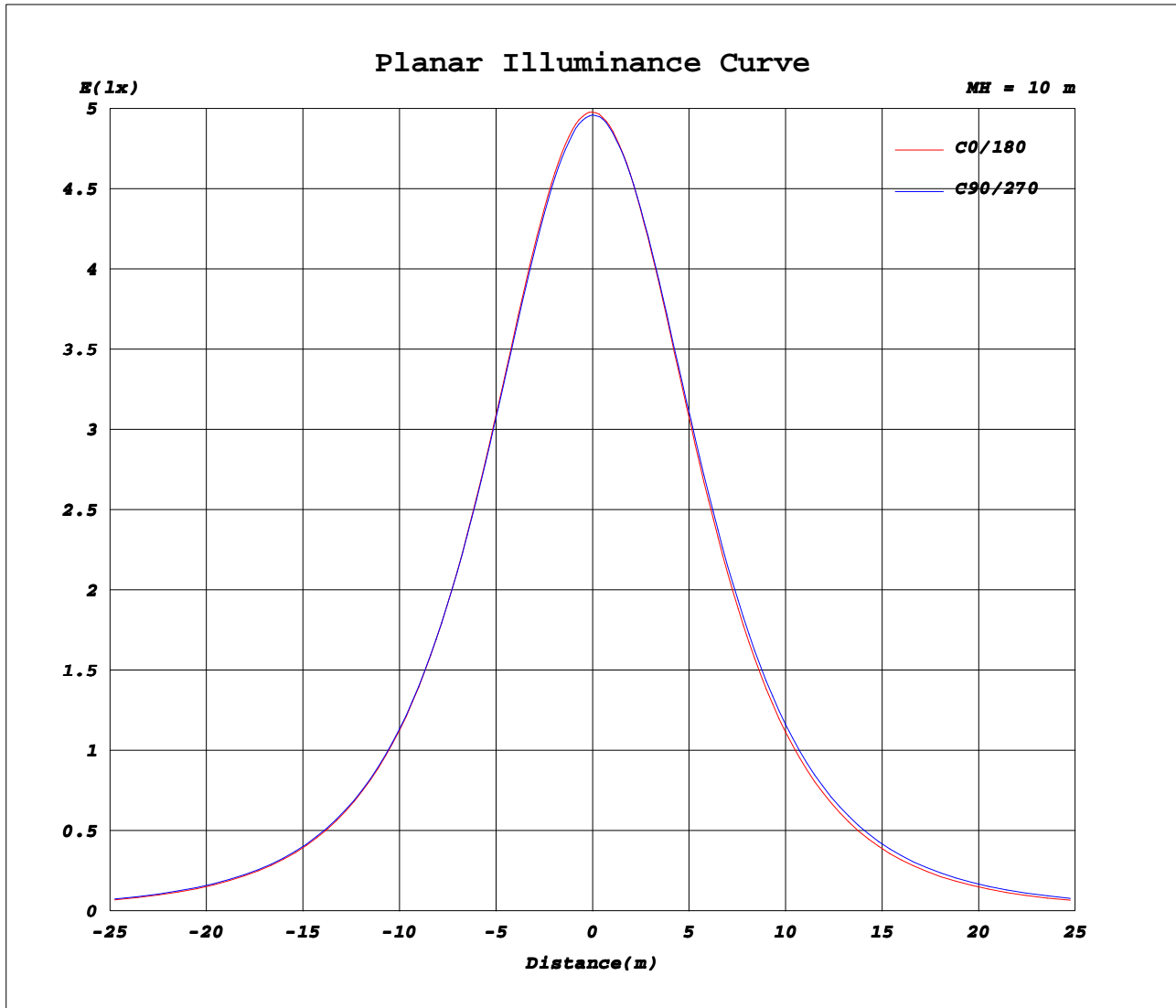
AvgL	cd/m2
L_0~180(65)av	3698
L_0~180(75)av	2765
L_0~180(85)av	399
L_90~270(65)av	4063
L_90~270(75)av	3620
L_90~270(85)av	1796
L_45(65)av	3846
L_45(75)av	3060
L_45(85)av	876

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-12e

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-12e

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm																		
NAME: 6"다운라이트-12W-(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	498	497	497	496	496	496	496	496	496	496	496	496	498	497	497	496	496	496	496
5	496	495	494	494	493	493	493	493	492	493	493	493	495	494	494	494	494	494	494
10	488	488	487	486	486	486	485	486	485	486	486	485	488	487	487	487	487	487	487
15	477	476	475	474	474	473	473	473	473	474	473	474	475	475	476	475	476	476	476
20	460	460	458	458	458	457	457	457	457	457	457	457	459	458	459	459	460	460	461
25	439	439	438	438	437	437	437	437	436	436	435	435	437	438	438	439	440	441	441
30	414	414	413	413	413	413	413	413	412	411	411	410	412	412	414	415	417	417	418
35	386	385	384	385	385	385	385	385	384	384	382	382	383	383	386	387	389	390	391
40	354	353	352	354	354	355	355	355	353	352	350	349	351	351	354	356	359	360	362
45	319	319	318	319	320	322	321	321	319	318	315	315	316	317	319	322	325	327	329
50	282	282	281	283	283	285	285	285	282	281	278	277	278	279	282	285	289	291	293
55	242	242	242	244	245	247	247	247	243	242	238	238	239	239	243	246	251	253	256
60	201	201	200	204	204	207	207	207	203	201	197	196	197	198	202	205	211	213	216
65	158	159	158	161	163	166	168	166	161	159	155	154	155	155	160	163	169	172	176
70	116	116	116	119	123	126	128	127	121	117	113	111	112	113	117	122	129	132	136
75	73.4	73.6	74.6	77.9	81.3	87.4	89.2	88.2	79.9	75.7	71.6	69.7	69.7	71.1	75.6	80.3	89.8	92.0	98.2
80	33.6	34.3	36.4	40.7	42.0	46.1	49.6	47.4	40.6	36.9	32.8	30.6	30.2	31.8	36.5	42.7	46.8	52.7	58.0
85	4.19	4.54	5.00	7.67	9.11	11.7	12.4	11.4	8.09	5.68	3.71	3.13	2.77	3.24	4.77	8.57	12.4	15.8	18.9
90	1.59	2.02	1.62	1.75	1.73	1.77	2.84	2.66	1.71	1.65	1.63	1.64	1.15	1.45	1.14	1.19	1.21	1.21	2.01
95	2.14	2.44	2.56	2.69	2.98	3.43	4.54	4.05	2.83	2.39	2.14	1.95	1.44	1.62	1.90	2.23	2.20	2.37	3.93
100	2.22	2.45	2.46	3.13	4.57	5.20	5.22	4.47	3.70	2.97	2.57	2.31	1.79	1.92	2.01	2.44	3.40	4.53	4.32
105	2.58	2.74	2.97	4.21	4.86	5.42	5.39	4.78	4.06	3.31	2.97	2.69	2.11	2.20	2.48	3.33	4.22	4.82	4.50
110	2.90	3.05	3.44	4.29	4.93	5.40	5.34	4.85	4.25	3.61	3.21	3.00	2.43	2.57	2.92	3.61	4.25	4.81	4.51
115	3.26	3.37	3.57	4.20	4.94	5.41	5.32	4.87	4.28	3.54	3.27	3.33	2.78	2.87	3.15	3.64	4.25	4.75	4.53
120	3.54	3.62	3.25	3.45	4.89	5.44	5.31	4.90	4.33	3.67	3.51	3.63	3.08	3.17	2.75	3.74	4.23	4.71	4.54
125	3.46	3.58	3.62	3.80	4.91	5.35	5.21	4.89	4.49	3.64	3.73	3.94	3.22	3.49	2.99	3.36	4.26	4.68	4.53
130	3.71	4.13	3.83	3.92	4.32	5.36	5.25	4.94	4.06	3.81	4.07	4.13	3.40	3.76	3.23	3.27	3.84	4.72	4.55
135	4.00	4.29	4.55	4.09	4.25	4.36	4.39	4.35	4.23	4.24	4.29	4.30	3.52	3.77	3.88	3.44	3.56	3.67	3.85
140	4.25	4.58	4.74	4.82	4.36	4.44	4.50	4.46	4.37	4.65	4.59	4.65	3.83	4.15	4.20	4.20	3.68	3.76	3.81
145	4.52	4.62	4.45	5.02	5.26	4.63	4.74	4.68	4.88	4.68	4.58	4.82	4.21	4.28	3.99	4.48	4.56	4.02	4.10
150	4.72	4.68	4.96	4.74	5.39	5.30	5.25	5.48	5.09	4.71	4.72	4.70	4.27	4.26	4.39	4.34	4.97	4.78	4.75
155	4.89	4.91	5.25	4.95	4.96	5.20	5.18	5.12	4.95	5.20	5.16	4.91	4.58	4.57	4.75	4.52	4.66	4.72	4.72
160	5.16	5.09	5.12	5.10	5.17	5.26	5.17	5.14	5.26	5.40	5.32	5.21	5.01	4.91	4.81	4.81	4.84	4.80	4.75
165	5.42	5.33	5.28	5.26	5.27	5.33	5.50	5.58	5.43	5.39	5.30	5.37	5.32	5.18	5.02	5.00	4.98	4.99	5.18
170	5.39	5.41	5.37	5.38	5.43	5.58	5.64	5.64	5.60	5.48	5.39	5.41	5.26	5.27	5.23	5.21	5.23	5.33	5.41
175	5.43	5.44	5.45	5.48	5.53	5.55	5.56	5.55	5.53	5.49	5.48	5.44	5.39	5.39	5.40	5.41	5.41	5.45	5.47
180	5.48	5.47	5.47	5.48	5.47	5.46	5.46	5.47	5.47	5.48	5.46	5.45	5.48	5.47	5.48	5.48	5.47	5.47	5.46

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-12e

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0605A P:12.47W PF:0.9376 Lamp Flux:1375.81x1 lm		
NAME: 6"다운라이트-12W-(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	496	496	496	496	496														
5	494	494	494	494	494														
10	487	487	487	488	487														
15	476	476	476	476	476														
20	460	461	461	460	460														
25	441	442	441	440	439														
30	418	418	417	415	414														
35	391	391	389	388	386														
40	361	360	358	356	354														
45	328	327	324	322	320														
50	292	291	288	286	283														
55	254	253	249	247	244														
60	214	213	208	206	202														
65	173	172	166	164	160														
70	134	130	125	121	117														
75	94.7	88.6	82.9	78.8	75.1														
80	55.4	48.6	42.6	38.8	35.1														
85	16.6	12.9	8.62	5.89	4.31														
90	1.75	1.25	1.24	1.17	1.18														
95	3.34	2.22	1.96	2.03	1.76														
100	3.74	2.89	2.21	1.85	1.64														
105	3.96	3.17	2.54	2.15	1.94														
110	4.02	3.37	2.83	2.38	2.27														
115	4.07	3.55	3.06	2.51	2.57														
120	4.16	3.70	3.23	2.69	2.87														
125	4.25	3.83	2.99	2.86	2.99														
130	4.31	3.42	3.16	3.38	3.38														
135	3.60	3.49	3.44	3.64	3.62														
140	3.73	3.65	4.02	3.86	3.91														
145	3.97	4.28	4.15	4.01	4.14														
150	4.99	4.66	4.27	4.18	4.25														
155	4.77	4.50	4.59	4.70	4.47														
160	4.75	4.74	4.86	4.88	4.79														
165	5.21	5.03	5.00	4.97	5.03														
170	5.43	5.40	5.28	5.17	5.18														
175	5.47	5.44	5.40	5.35	5.35														
180	5.45	5.48	5.48	5.46	5.45														

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-12e

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	497.7	497.5	497.1	496.1	496.3	496.1	496.0	495.8	495.7	495.9
3.0	497.0	496.3	495.5	495.1	495.1	494.8	494.7	494.9	494.1	494.9
6.0	494.7	494.2	493.1	492.5	492.2	492.2	491.6	491.9	491.6	492.3
9.0	490.5	490.0	488.7	488.2	488.0	487.3	487.0	487.1	486.8	487.5
12.0	484.2	483.4	482.7	482.0	481.7	481.4	481.0	480.8	480.7	481.2
15.0	476.6	475.8	475.0	474.1	473.8	473.5	473.2	473.3	472.7	473.7
18.0	467.6	466.5	465.7	464.7	464.7	464.1	463.8	463.9	463.7	464.2
21.0	456.6	455.7	454.6	454.1	454.0	453.4	452.9	453.1	453.0	453.2
24.0	443.7	443.3	442.2	442.1	441.7	441.7	441.2	441.0	440.8	440.8
27.0	429.6	429.1	428.2	428.3	428.1	428.0	427.1	427.4	426.4	426.6
30.0	414.4	413.9	412.6	413.1	413.0	413.2	412.6	412.9	411.9	411.3
33.0	397.7	396.7	396.1	396.9	397.0	397.1	396.5	396.5	395.5	395.0
36.0	379.5	379.0	378.4	378.9	379.4	379.8	379.2	379.3	378.2	377.4
39.0	360.4	359.6	359.2	360.2	360.7	361.2	360.8	360.8	359.4	358.5
42.0	340.2	339.9	339.2	340.2	340.9	341.9	341.8	341.3	339.8	338.5
45.0	318.7	318.7	318.3	319.1	320.2	321.5	321.0	320.7	319.0	317.7
48.0	296.9	296.7	296.1	297.4	298.3	299.9	299.6	299.1	297.0	295.8
51.0	273.8	273.9	273.2	275.2	275.8	277.6	277.3	277.2	274.6	273.3
54.0	250.1	250.6	249.5	251.9	252.5	255.3	254.5	254.3	250.9	249.9
57.0	225.8	226.3	225.2	228.0	228.8	231.4	231.0	230.9	227.2	225.6
60.0	200.8	201.2	200.5	203.5	204.3	207.1	206.8	206.6	203.0	201.0
63.0	175.2	175.7	175.2	179.5	179.5	182.5	182.5	182.2	178.1	175.9
66.0	149.2	150.1	149.5	153.2	155.1	158.3	159.3	157.5	153.0	150.6
69.0	124.3	124.3	124.8	127.7	131.1	133.7	135.8	134.9	128.9	125.5
72.0	98.63	98.79	99.58	102.6	105.9	113.0	112.7	111.3	104.3	100.3
75.0	73.39	73.60	74.62	77.86	81.26	87.41	89.21	88.25	79.95	75.74
78.0	48.95	49.53	50.93	54.43	58.07	61.67	65.15	64.65	57.27	52.07
81.0	26.38	27.03	29.77	33.14	34.69	38.56	40.72	38.51	33.15	29.93
84.0	7.914	8.351	9.399	12.75	14.82	18.02	19.35	17.91	13.44	10.21
87.0	2.275	2.608	2.122	2.220	2.482	2.979	3.489	3.051	2.313	2.054
90.0	1.590	2.025	1.618	1.754	1.734	1.772	2.845	2.662	1.706	1.651
93.0	1.868	1.932	1.901	2.510	2.616	2.578	4.417	3.850	2.602	2.168
96.0	2.101	2.356	2.364	2.719	3.075	3.648	4.495	4.076	2.945	2.478
99.0	2.166	2.385	2.422	2.949	4.289	5.131	5.144	4.388	3.593	2.814
102.0	2.360	2.580	2.662	3.583	4.801	5.285	5.321	4.612	3.862	3.091
105.0	2.583	2.738	2.970	4.207	4.861	5.419	5.387	4.783	4.057	3.310
108.0	2.751	2.911	3.322	4.295	4.922	5.405	5.345	4.839	4.182	3.496
111.0	2.979	3.087	3.495	4.285	4.937	5.396	5.322	4.857	4.262	3.570
114.0	3.192	3.305	3.648	4.299	4.945	5.406	5.303	4.866	4.280	3.680
117.0	3.369	3.458	3.232	3.554	4.940	5.456	5.340	4.889	4.336	3.347
120.0	3.541	3.621	3.248	3.451	4.895	5.438	5.313	4.903	4.331	3.669
123.0	3.482	3.615	3.424	4.176	4.889	5.345	5.206	4.811	4.429	3.634
126.0	3.476	3.677	3.676	4.913	5.364	5.215	4.904	4.526	3.700	3.700
129.0	3.653	4.031	3.801	3.909	4.463	5.359	5.238	4.927	4.124	3.779
132.0	3.834	4.211	4.109	3.979	4.122	4.858	5.146	4.497	4.169	3.970
135.0	3.997	4.285	4.550	4.085	4.248	4.355	4.385	4.346	4.234	4.235
138.0	4.164	4.420	4.726	4.487	4.285	4.466	4.531	4.466	4.317	4.653
141.0	4.294	4.657	4.635	4.866	4.397	4.481	4.508	4.509	4.369	4.671
144.0	4.471	4.634	4.439	5.010	5.071	4.592	4.712	4.560	4.814	4.680
147.0	4.583	4.606	4.527	4.760	5.382	5.215	5.144	5.304	5.037	4.736
150.0	4.722	4.681	4.963	4.736	5.393	5.303	5.247	5.475	5.085	4.709
153.0	4.838	4.843	5.177	4.853	5.029	5.210	5.331	5.131	4.964	4.947
156.0	4.935	4.936	5.220	4.983	4.991	5.187	5.182	5.057	5.014	5.276
159.0	5.098	5.043	5.113	5.085	5.140	5.224	5.135	5.094	5.201	5.405
162.0	5.284	5.196	5.177	5.168	5.196	5.275	5.219	5.234	5.312	5.396
165.0	5.419	5.326	5.280	5.262	5.266	5.328	5.498	5.582	5.433	5.392
168.0	5.405	5.360	5.359	5.327	5.382	5.466	5.601	5.605	5.563	5.420
171.0	5.401	5.401	5.387	5.406	5.461	5.582	5.629	5.633	5.614	5.498
174.0	5.424	5.424	5.429	5.461	5.503	5.554	5.568	5.568	5.545	5.494
177.0	5.466	5.461	5.466	5.494	5.498	5.503	5.494	5.489	5.494	5.494
180.0	5.475	5.466	5.466	5.484	5.470	5.457	5.457	5.466	5.466	5.475
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	496.1	496.0	497.7	497.5	497.1	496.1	496.3	496.1	496.0	495.8
3.0	495.0	494.9	496.6	496.1	495.8	495.4	495.5	495.9	495.5	495.1
6.0	491.8	491.9	494.0	493.0	493.6	492.9	493.1	493.1	492.8	492.5
9.0	487.6	487.6	489.5	489.1	489.2	488.6	489.0	489.2	489.1	488.8
12.0	480.6	481.2	483.2	482.4	483.1	482.2	483.2	483.6	483.6	483.5
15.0	473.1	473.7	475.2	475.2	475.6	475.2	476.0	476.1	476.3	476.1
18.0	463.7	464.1	465.9	465.8	466.0	466.2	467.0	467.4	467.6	467.4
21.0	452.8	452.6	454.9	454.8	455.2	455.6	456.3	456.7	457.4	457.2
24.0	440.0	440.2	442.1	442.2	442.8	443.4	444.7	444.9	445.6	445.4
27.0	426.1	426.0	427.8	427.7	429.1	429.8	431.5	431.9	433.0	432.8
30.0	410.6	410.5	411.7	412.5	413.8	414.9	416.7	417.3	418.3	418.3

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-12e

Photometric Data Table [cd]

33.0	393.8	393.8	394.9	395.4	396.8	398.2	400.5	401.9	402.7	402.4
36.0	375.5	375.4	376.5	377.2	379.4	380.9	383.4	384.6	385.8	385.3
39.0	356.6	355.9	357.1	358.1	360.1	362.0	365.3	366.4	368.0	367.4
42.0	336.2	335.8	337.1	337.7	340.5	342.6	345.9	347.3	349.0	348.3
45.0	315.0	314.5	315.5	316.5	319.1	321.6	325.1	327.1	329.0	327.9
48.0	293.0	292.6	293.6	294.1	297.3	299.9	303.9	305.9	307.8	306.9
51.0	269.9	269.7	270.8	271.3	274.7	277.2	281.6	283.8	286.1	284.7
54.0	246.3	245.9	247.0	247.2	251.2	253.8	258.7	260.7	263.8	262.0
57.0	221.8	221.6	222.4	222.8	227.0	229.6	235.2	237.3	240.3	238.2
60.0	197.0	196.5	197.3	197.7	202.2	205.1	210.9	213.0	216.3	214.3
63.0	171.8	171.1	171.8	172.1	177.0	180.1	186.2	188.5	192.0	190.0
66.0	146.2	145.5	146.0	146.6	151.4	154.9	161.4	164.1	167.5	165.2
69.0	121.6	119.9	120.3	121.7	125.8	130.1	136.4	139.7	143.6	141.1
72.0	96.32	94.53	94.72	96.13	100.5	105.0	111.5	115.7	119.2	118.6
75.0	71.64	69.69	69.73	71.12	75.65	80.29	89.84	91.96	98.20	94.68
78.0	47.91	45.82	45.52	47.09	51.58	56.42	62.88	69.02	75.52	70.90
81.0	25.53	23.34	22.95	24.56	29.20	35.23	39.16	44.46	49.10	45.96
84.0	7.063	5.748	5.471	6.361	9.291	13.72	18.33	22.24	25.85	23.10
87.0	1.869	1.812	1.380	1.776	1.659	2.467	3.318	4.702	6.162	5.291
90.0	1.632	1.642	1.153	1.446	1.143	1.191	1.213	1.214	2.009	1.747
93.0	1.951	1.832	1.321	1.320	1.279	1.765	1.290	1.491	2.948	2.605
96.0	2.225	2.018	1.520	1.810	2.049	2.139	2.352	2.676	3.913	3.406
99.0	2.454	2.250	1.752	1.878	1.999	2.282	3.027	3.980	4.231	3.676
102.0	2.779	2.464	1.897	2.030	2.185	2.744	3.929	4.727	4.462	3.857
105.0	2.974	2.692	2.110	2.198	2.477	3.334	4.216	4.815	4.499	3.959
108.0	3.119	2.859	2.287	2.402	2.766	3.569	4.230	4.806	4.504	3.997
111.0	3.257	3.054	2.506	2.635	2.970	3.621	4.253	4.787	4.532	4.011
114.0	3.278	3.258	2.715	2.802	3.106	3.634	4.243	4.759	4.521	4.053
117.0	3.337	3.464	2.896	2.975	2.821	3.676	4.225	4.736	4.533	4.127
120.0	3.509	3.631	3.082	3.169	2.752	3.737	4.234	4.711	4.538	4.160
123.0	3.648	3.826	3.211	3.365	2.887	3.834	4.248	4.688	4.530	4.211
126.0	3.765	3.988	3.254	3.564	3.044	3.212	4.285	4.694	4.522	4.289
129.0	3.964	4.104	3.375	3.732	3.133	3.221	4.334	4.713	4.569	4.313
132.0	4.169	4.170	3.449	3.751	3.403	3.346	3.477	4.662	4.573	4.011
135.0	4.290	4.304	3.523	3.769	3.877	3.443	3.565	3.667	3.848	3.602
138.0	4.516	4.477	3.677	3.936	4.133	3.680	3.570	3.764	3.779	3.727
141.0	4.615	4.760	3.914	4.252	4.206	4.248	3.728	3.765	3.797	3.760
144.0	4.643	4.829	4.141	4.281	3.983	4.396	4.215	3.927	3.999	3.908
147.0	4.578	4.754	4.243	4.212	4.049	4.281	4.802	4.477	4.409	4.595
150.0	4.717	4.699	4.272	4.257	4.394	4.336	4.971	4.778	4.750	4.987
153.0	4.968	4.825	4.435	4.470	4.658	4.383	4.634	4.903	4.889	4.908
156.0	5.237	4.955	4.653	4.629	4.782	4.587	4.658	4.759	4.750	4.764
159.0	5.340	5.146	4.933	4.843	4.774	4.773	4.806	4.745	4.704	4.689
162.0	5.238	5.280	5.188	5.037	4.908	4.889	4.918	4.871	4.848	4.842
165.0	5.298	5.373	5.317	5.178	5.024	5.001	4.983	4.991	5.178	5.214
168.0	5.359	5.392	5.261	5.196	5.150	5.131	5.127	5.177	5.318	5.354
171.0	5.410	5.410	5.271	5.275	5.252	5.252	5.257	5.382	5.447	5.440
174.0	5.470	5.433	5.354	5.359	5.382	5.373	5.396	5.424	5.452	5.459
177.0	5.475	5.461	5.447	5.447	5.452	5.443	5.433	5.429	5.433	5.438
180.0	5.457	5.447	5.484	5.470	5.480	5.484	5.470	5.466	5.461	5.452
G/C	300.0	315.0	330.0	345.0						
0.0	495.7	495.9	496.1	496.0						
3.0	495.0	495.6	495.4	495.5						
6.0	492.6	493.5	493.1	493.1						
9.0	489.1	489.4	489.2	489.0						
12.0	483.3	483.3	483.5	483.8						
15.0	476.2	475.9	476.0	475.8						
18.0	467.6	467.3	467.4	466.6						
21.0	457.5	457.2	456.3	456.1						
24.0	445.8	445.2	444.7	443.6						
27.0	432.4	431.8	430.8	429.9						
30.0	418.0	417.0	415.3	414.0						
33.0	402.1	400.6	399.4	397.7						
36.0	385.1	383.7	381.8	379.8						
39.0	366.8	364.8	362.8	360.8						
42.0	347.6	344.7	343.0	340.8						
45.0	327.2	324.5	322.1	319.8						
48.0	305.5	302.8	300.4	298.0						
51.0	283.8	280.0	278.1	275.1						
54.0	261.0	256.9	255.0	251.5						
57.0	237.4	232.8	230.7	226.9						
60.0	212.8	208.3	205.9	202.2						
63.0	188.3	183.2	180.8	176.8						
66.0	163.4	158.0	155.2	151.1						

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]

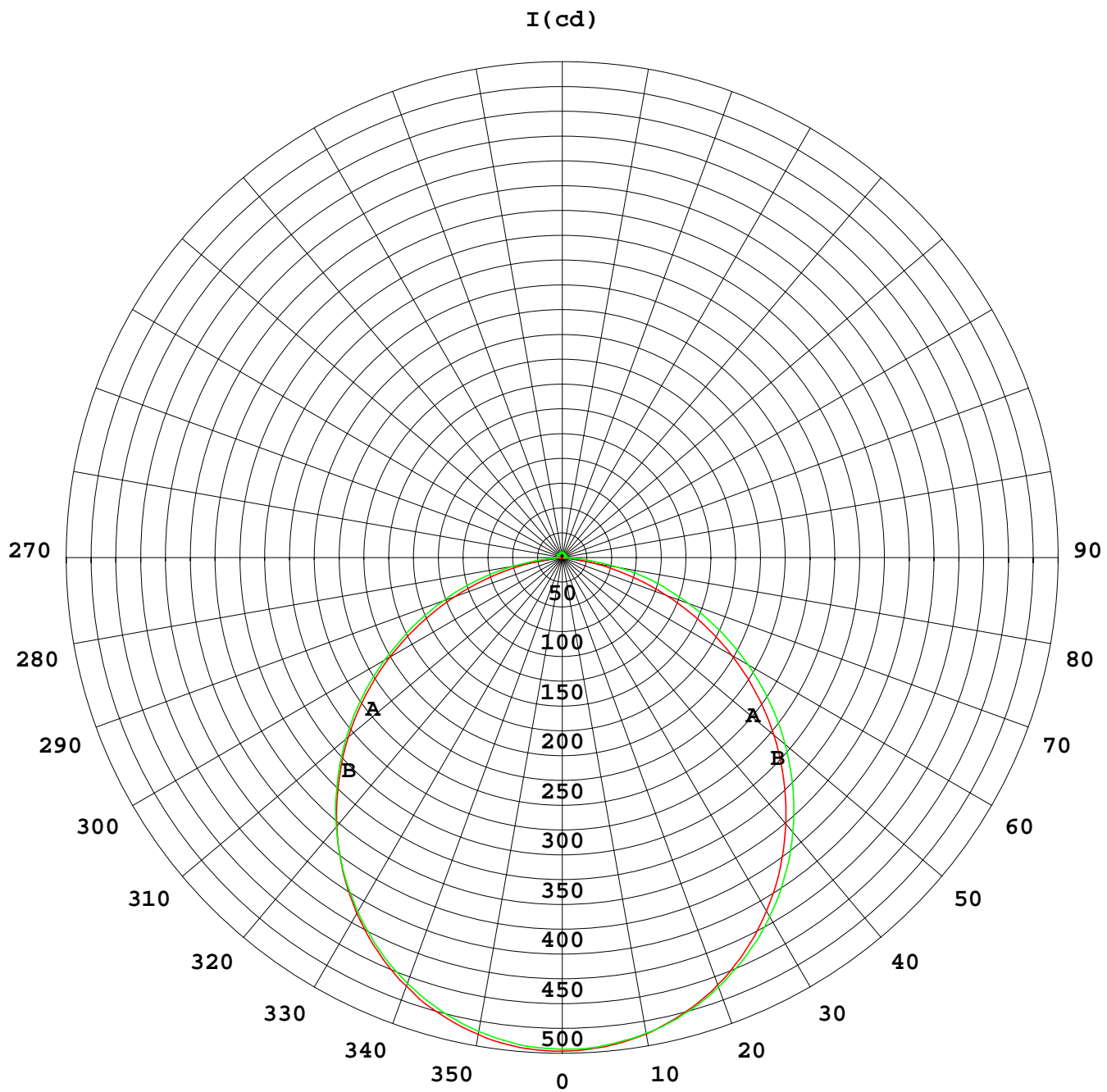
Remarks: Z-DL-12e

Photometric Data Table [cd]

69.0	138.3	133.4	129.8	126.1
72.0	113.2	108.0	104.1	100.4
75.0	88.65	82.88	78.77	75.10
78.0	64.02	58.31	54.32	50.52
81.0	40.30	35.09	31.38	27.75
84.0	18.84	14.40	11.02	8.533
87.0	3.732	2.391	1.933	1.907
90.0	1.246	1.241	1.171	1.181
93.0	1.527	1.515	1.446	1.431
96.0	2.269	1.971	1.853	1.646
99.0	2.831	2.082	1.813	1.613
102.0	3.049	2.398	2.027	1.742
105.0	3.170	2.542	2.152	1.943
108.0	3.309	2.723	2.296	2.132
111.0	3.407	2.886	2.431	2.314
114.0	3.505	3.026	2.574	2.462
117.0	3.602	3.160	2.538	2.668
120.0	3.695	3.226	2.687	2.868
123.0	3.775	3.082	2.794	2.988
126.0	3.853	3.030	2.929	3.063
129.0	3.558	3.146	3.260	3.318
132.0	3.374	3.248	3.533	3.486
135.0	3.490	3.438	3.635	3.615
138.0	3.547	3.922	3.830	3.797
141.0	3.705	4.053	3.909	3.978
144.0	4.158	4.262	4.025	4.127
147.0	4.431	4.252	4.034	4.137
150.0	4.656	4.271	4.185	4.248
153.0	4.591	4.466	4.492	4.401
156.0	4.528	4.680	4.783	4.522
159.0	4.686	4.866	4.830	4.731
162.0	4.825	4.866	4.880	4.898
165.0	5.029	5.000	4.969	5.033
168.0	5.286	5.150	5.095	5.113
171.0	5.415	5.317	5.215	5.210
174.0	5.424	5.396	5.322	5.317
177.0	5.433	5.424	5.410	5.405
180.0	5.475	5.480	5.461	5.447

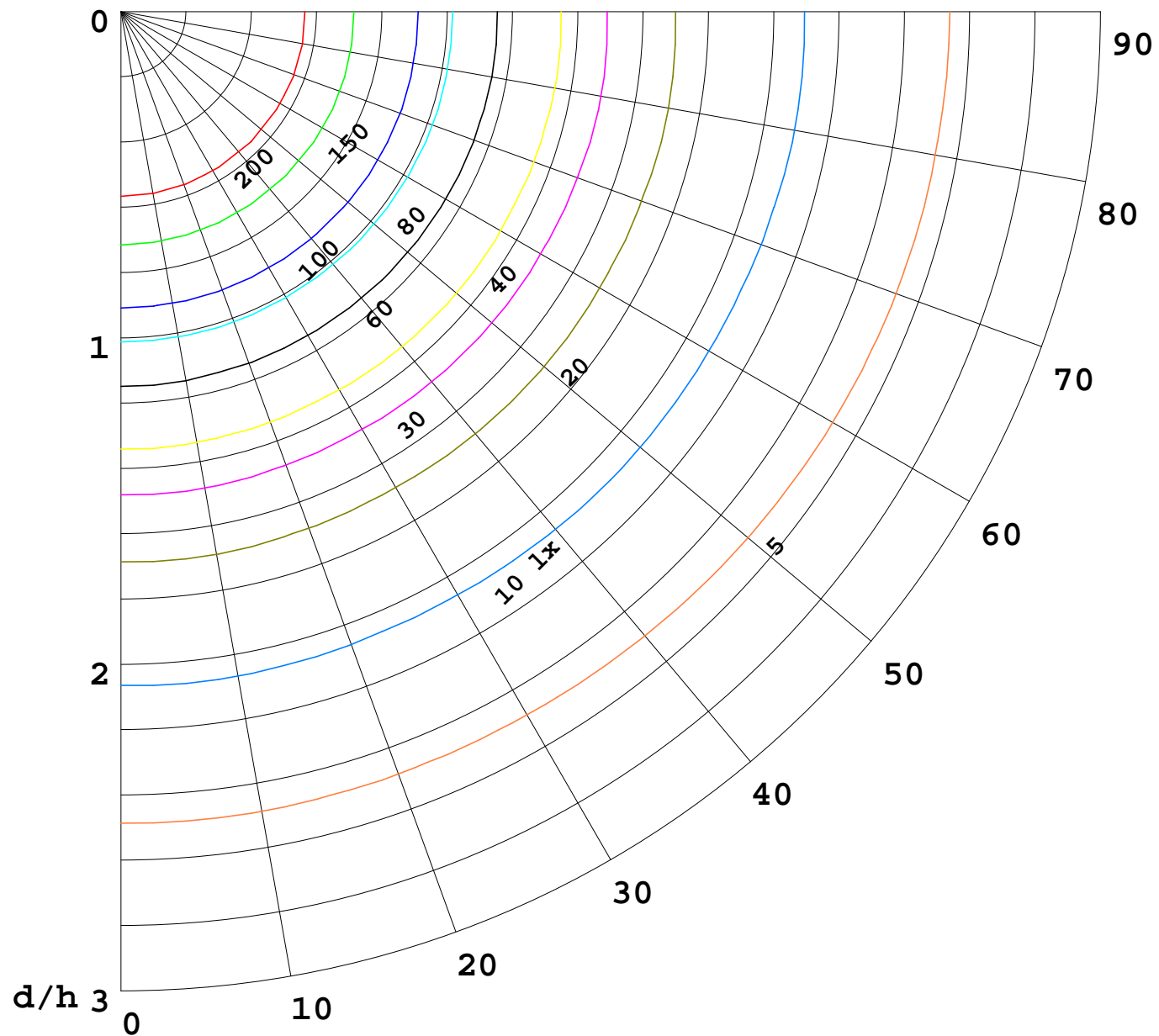
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: OHS
Test Date: 18 October 2022

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-12e



1000 lm

$K = 1$



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

	P_{cc}	P_w	P_{fc}
—————	70	50	30
—————	50	30	20

