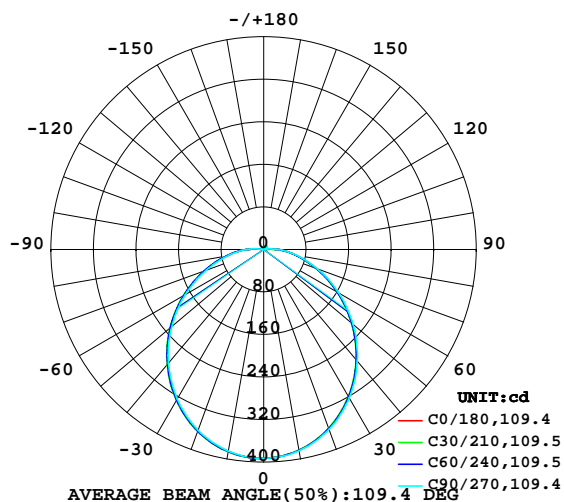


LUMINAIRE PHOTOMETRIC TEST REPORT

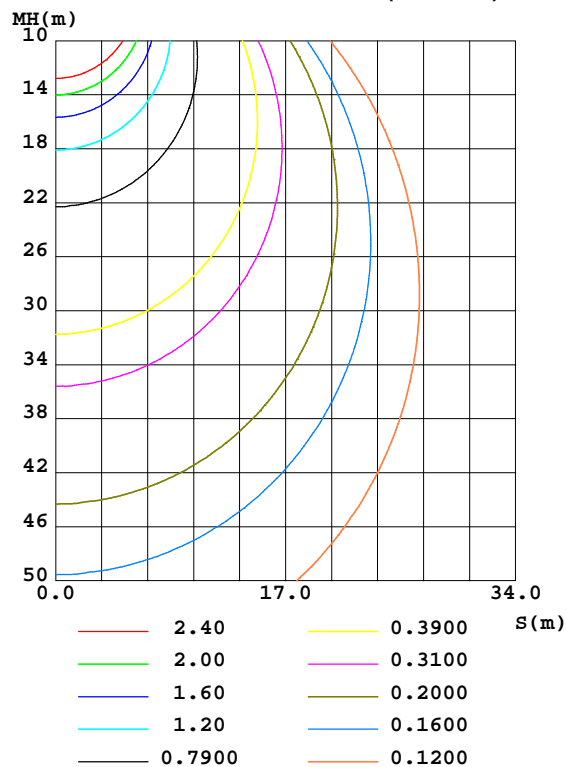
Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.93 lm/W			
MODEL	GCL-10	Imax(cd)	393.1	S/MH(C0/180)	1.24
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1171.0	η UP,DN(C0-180)	1.5,48.0
NOMINAL FLUX(lm)	1171.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,49.1
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	97.1	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:ARK
 Test Date:28 September 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: GCL-10 / Z-CL-10e

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	383.1	383.3	384.3	385.6	386.1	386.1	385.0	383.4	0- 10	37.10	37.10	3.17,3.17
20	357.6	358.0	359.9	362.8	363.8	363.4	361.7	358.6	10- 20	105.6	142.7	12.2,12.2
30	319.3	319.4	322.1	326.3	327.8	327.6	325.1	320.7	20- 30	158.3	301.0	25.7,25.7
40	270.9	271.6	274.0	279.7	281.8	281.5	278.9	273.0	30- 40	188.2	489.2	41.8,41.8
50	216.6	216.9	219.5	226.2	229.3	229.0	226.1	219.0	40- 50	193.0	682.3	58.3,58.3
60	159.8	159.9	162.4	169.6	173.4	173.6	170.4	162.8	50- 60	174.2	856.5	73.1,73.1
70	105.7	105.1	107.9	114.4	118.5	119.7	115.8	108.9	60- 70	137.5	994.0	84.9,84.9
80	61.02	60.20	61.61	67.19	70.02	71.75	68.33	63.19	70- 80	92.65	1087	92.8,92.8
90	25.79	25.00	26.99	28.54	30.37	32.26	32.05	27.43	80- 90	50.72	1137	97.1,97.1
100	2.491	2.389	5.113	2.296	2.611	1.845	1.939	1.762	90-100	12.69	1150	98.2,98.2
110	2.704	2.715	2.865	2.609	2.385	2.624	2.031	2.180	100-110	2.676	1153	98.4,98.4
120	3.336	4.193	3.690	4.067	2.947	3.375	4.002	2.888	110-120	3.015	1156	98.7,98.7
130	4.406	5.781	6.932	6.010	4.064	4.017	4.512	4.098	120-130	3.937	1160	99,99
140	4.640	5.182	7.581	5.269	4.704	3.911	5.246	3.658	130-140	4.304	1164	99.4,99.4
150	5.772	3.867	5.290	4.769	4.776	3.763	5.316	5.115	140-150	3.097	1167	99.7,99.7
160	4.620	4.638	5.215	6.821	5.108	4.473	4.490	4.084	150-160	2.135	1169	99.8,99.8
170	4.318	4.499	5.080	4.559	4.499	4.178	4.434	4.277	160-170	1.379	1171	100,100
180	4.313	4.327	4.318	4.336	4.313	4.336	4.309	4.341	170-180	0.4226	1171	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 586.72 lm

%lum = 50.1%

%lamp = 50.1%

Conical surface Flux(120deg): 856.46 lm

%lum = 73.1%

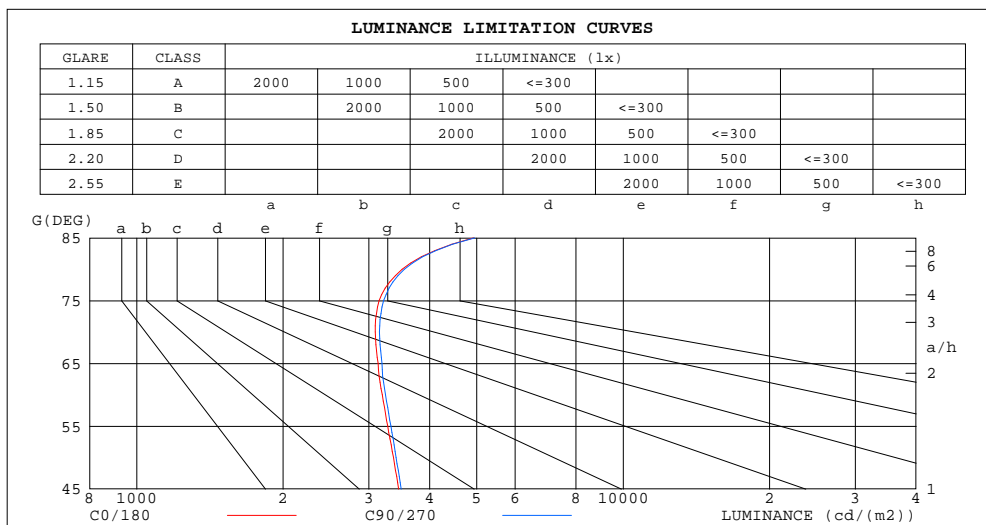
%lamp = 73.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ARK
 Test Date:28 September 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: GCL-10 / Z-CL-10e

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4927	4951
80	3514	3548
75	3152	3219
70	3092	3156
65	3136	3194
60	3196	3247
55	3281	3332
50	3370	3414
45	3456	3496

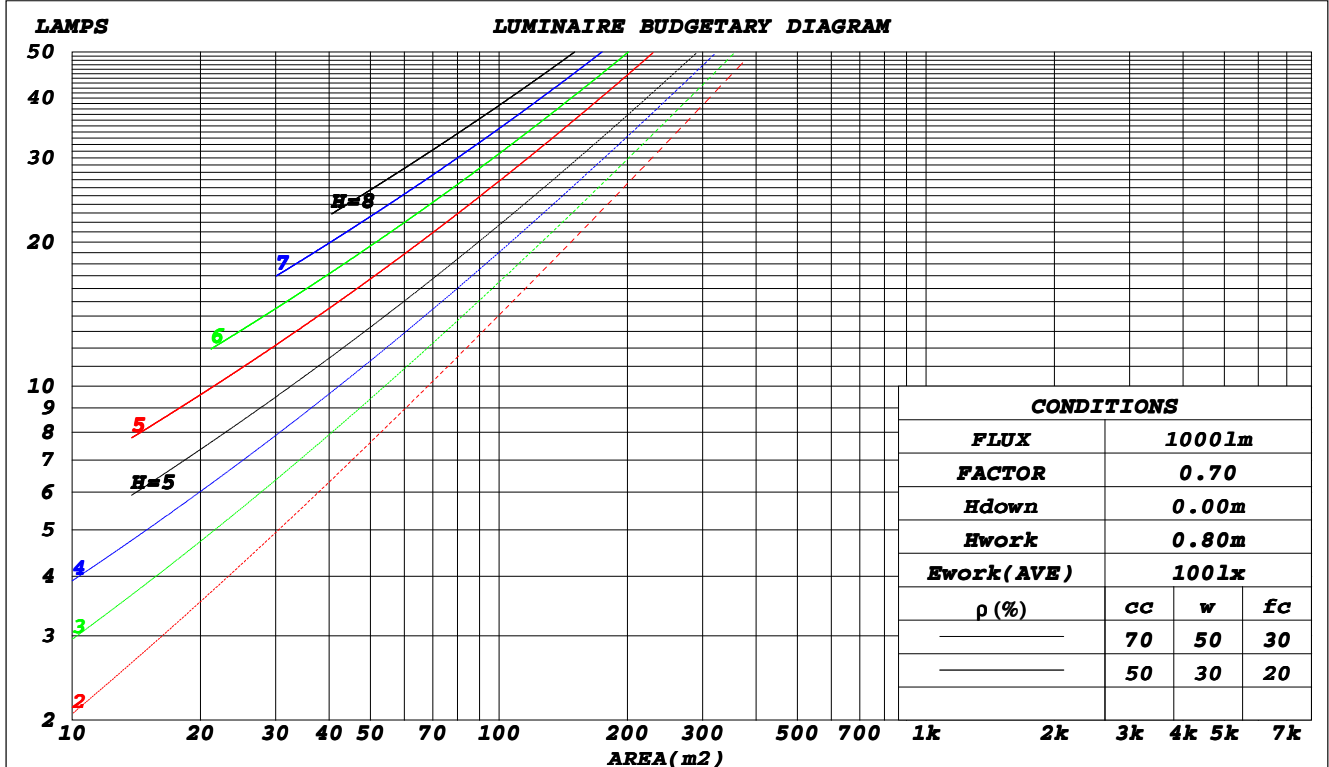
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 2022

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: GCL-10 / Z-CL-10e

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.84	.86	.83	.81	.79
2.0	.88	.81	.75	.86	.79	.74	.82	.76	.72	.78	.74	.70	.75	.71	.68	.65
3.0	.77	.69	.62	.75	.68	.61	.72	.65	.60	.69	.63	.58	.66	.61	.57	.55
4.0	.68	.59	.52	.67	.58	.52	.64	.57	.51	.61	.55	.50	.59	.53	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.53	.47	.42	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.34	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ARK
 Test Date:28 September 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: GCL-10 / Z-CL-10e

WEC AND CCEC

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
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	.338	.192	.061	.330	.188	.060	.315	.181	.058	.302	.174	.056	.289	.167	.054		
2.0	.307	.168	.052	.300	.165	.051	.286	.159	.049	.274	.154	.048	.262	.148	.047		
3.0	.279	.148	.044	.273	.146	.044	.261	.141	.043	.250	.137	.042	.240	.133	.041		
4.0	.255	.132	.039	.249	.130	.039	.239	.127	.038	.229	.123	.037	.220	.119	.036		
5.0	.234	.119	.035	.229	.118	.034	.220	.114	.034	.211	.111	.033	.203	.108	.033		
6.0	.216	.108	.031	.212	.107	.031	.203	.104	.030	.195	.102	.030	.188	.099	.029		
7.0	.201	.099	.028	.197	.098	.028	.189	.096	.028	.182	.093	.027	.175	.091	.027		
8.0	.187	.091	.026	.183	.090	.026	.176	.088	.025	.170	.086	.025	.164	.084	.025		
9.0	.175	.085	.024	.172	.084	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023		
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.150	.075	.021	.145	.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	.212	.212	.212	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.204	.178	.154	.175	.153	.133	.120	.105	.092	.069	.061	.053	.022	.020	.017	
2.0	.196	.154	.118	.168	.133	.102	.115	.092	.071	.066	.053	.042	.021	.017	.014	
3.0	.189	.137	.095	.162	.118	.083	.111	.082	.058	.064	.048	.034	.021	.016	.011	
4.0	.181	.124	.080	.155	.107	.069	.107	.074	.049	.062	.044	.029	.020	.014	.010	
5.0	.173	.113	.069	.149	.098	.060	.102	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.166	.105	.061	.142	.091	.053	.098	.064	.038	.057	.037	.022	.018	.012	.007	
7.0	.159	.098	.056	.137	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.131	.080	.045	.091	.056	.032	.053	.033	.019	.017	.011	.006	
9.0	.146	.087	.048	.126	.076	.042	.087	.053	.030	.051	.031	.018	.016	.010	.006	
10.0	.140	.083	.045	.121	.072	.039	.084	.051	.028	.049	.030	.017	.016	.010	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ARK
Test Date:28 September 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: GCL-10 / Z-CL-10e

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm										
NAME: 원형직부 / Z-CL-10e					TYPE:LED			WEIGHT:		
SPEC.:10W					DIM.:			SERIAL No.:		
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	16.6	18.1	16.9	18.3	18.6	16.6	18.1	16.9	18.4	18.7
3H	18.2	19.6	18.5	19.9	20.2	18.3	19.7	18.6	19.9	20.2
4H	18.9	20.3	19.3	20.6	20.9	19.0	20.3	19.4	20.7	21.0
6H	19.7	20.9	20.0	21.2	21.6	19.7	21.0	20.1	21.3	21.7
8H	20.0	21.2	20.4	21.6	21.9	20.1	21.3	20.5	21.6	22.0
12H	20.4	21.6	20.8	21.9	22.3	20.5	21.6	20.9	22.0	22.4
4H 2H	17.2	18.5	17.5	18.8	19.1	17.2	18.5	17.6	18.9	19.2
3H	19.0	20.2	19.4	20.5	20.9	19.1	20.2	19.5	20.6	20.9
4H	19.9	21.0	20.3	21.3	21.7	20.0	21.0	20.4	21.4	21.8
6H	20.8	21.8	21.2	22.2	22.6	20.9	21.8	21.3	22.2	22.7
8H	21.2	22.1	21.7	22.6	23.0	21.3	22.2	21.8	22.6	23.1
12H	21.7	22.6	22.2	23.0	23.5	21.8	22.6	22.3	23.1	23.5
8H 4H	20.2	21.1	20.7	21.6	22.0	20.3	21.2	20.8	21.6	22.1
6H	21.4	22.1	21.9	22.6	23.1	21.4	22.2	21.9	22.6	23.1
8H	22.0	22.6	22.5	23.1	23.6	22.0	22.7	22.5	23.2	23.7
12H	22.6	23.2	23.2	23.7	24.3	22.7	23.3	23.2	23.8	24.3
12H 4H	20.3	21.1	20.8	21.6	22.0	20.4	21.2	20.8	21.6	22.1
6H	21.5	22.2	22.0	22.7	23.2	21.6	22.2	22.1	22.7	23.2
8H	22.2	22.8	22.7	23.3	23.8	22.2	22.8	22.8	23.3	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1171 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ARK
Test Date:28 September 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: GCL-10 / Z-CL-10e

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

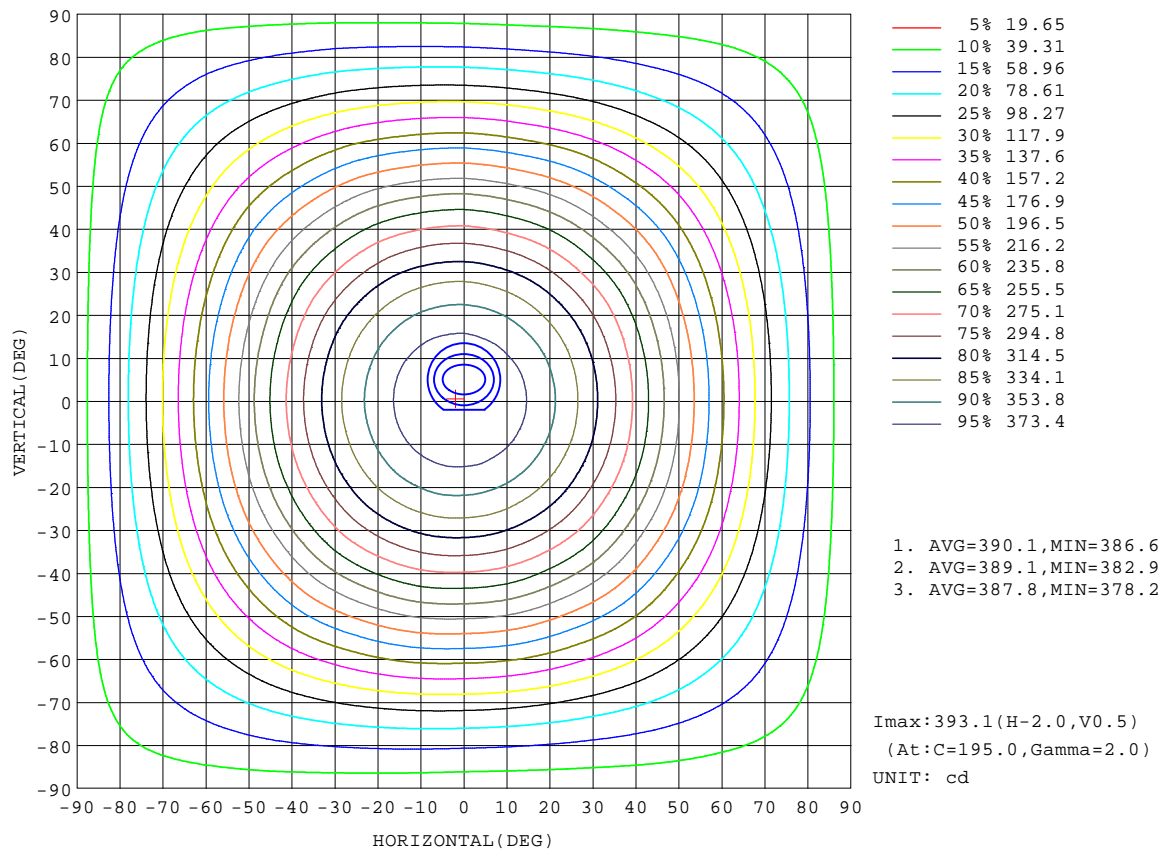
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	52	46	38
1.00	74	62	55	72	62	54	70	63	54	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	86	75	68	84	74	67	80	72	66	58
2.00	93	83	76	90	82	76	87	79	74	65
2.50	97	88	82	94	87	81	90	84	78	69
3.00	100	92	86	97	91	85	93	87	83	73
4.00	104	98	93	101	96	91	97	92	88	78
5.00	107	101	97	104	99	95	99	95	91	81
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:ARK
Test Date:28 September 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: GCL-10 / Z-CL-10e

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

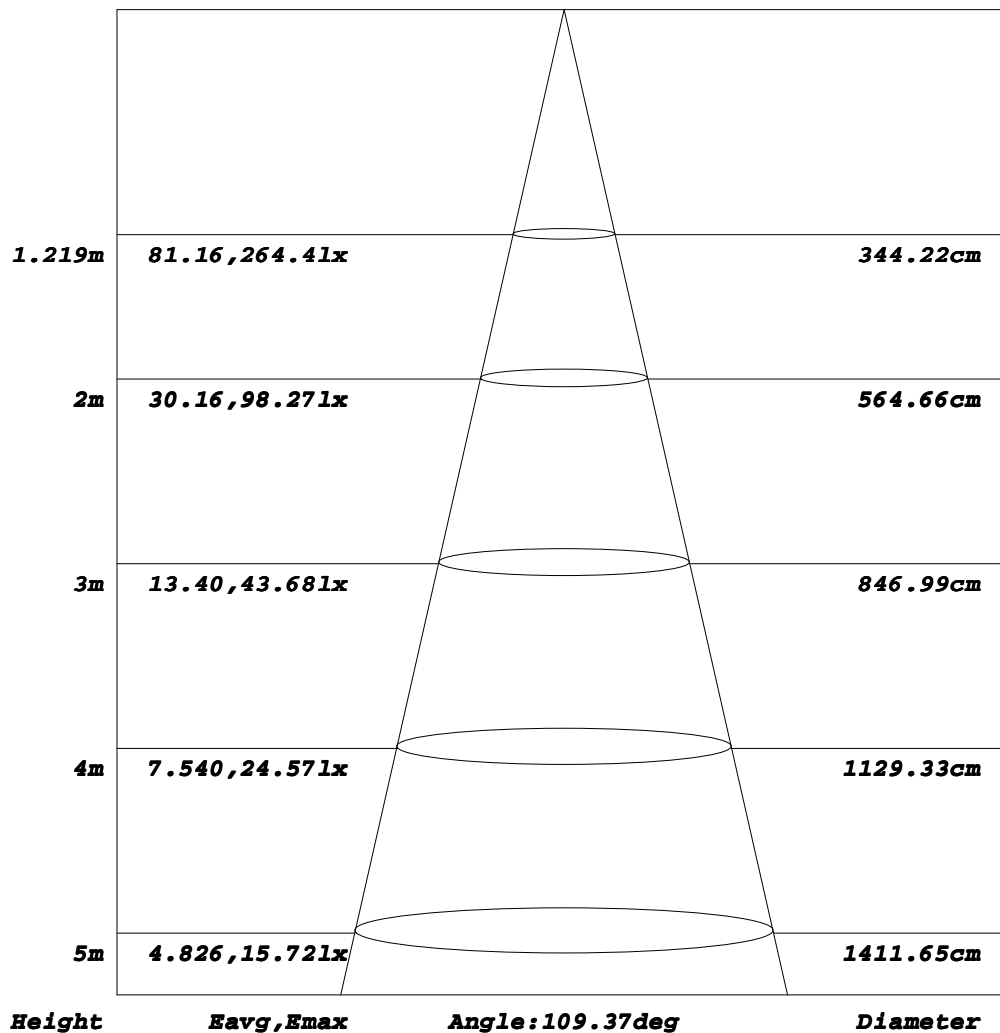


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ARK
Test Date:28 September 2022

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: GCL-10 / Z-CL-10e

AAI Figure

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Flux out:773.0 lm


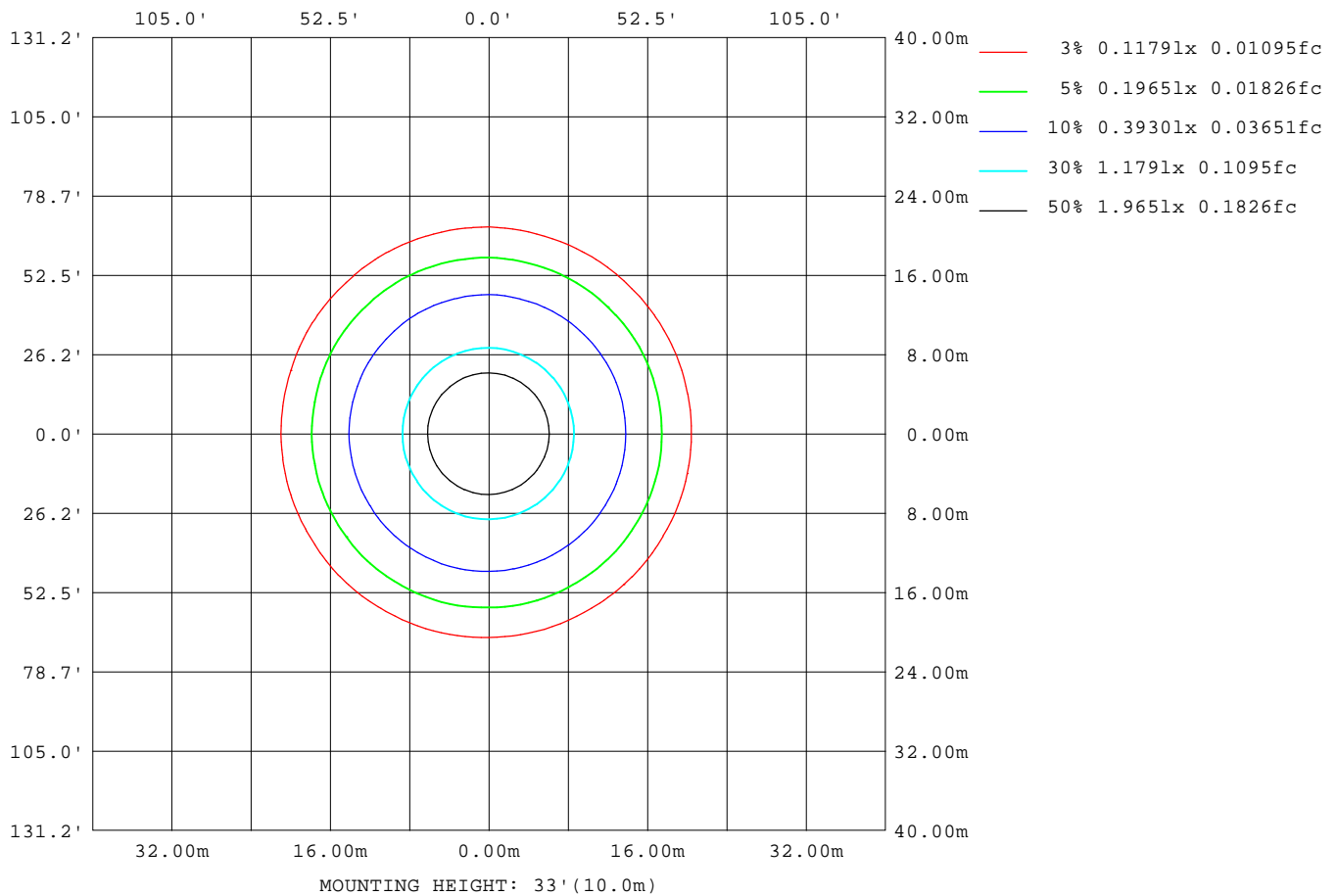
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 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: GCL-10 / Z-CL-10e

ISOLUX DIAGRAM

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 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: GCL-10 / Z-CL-10e

LED Avg.L Report

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

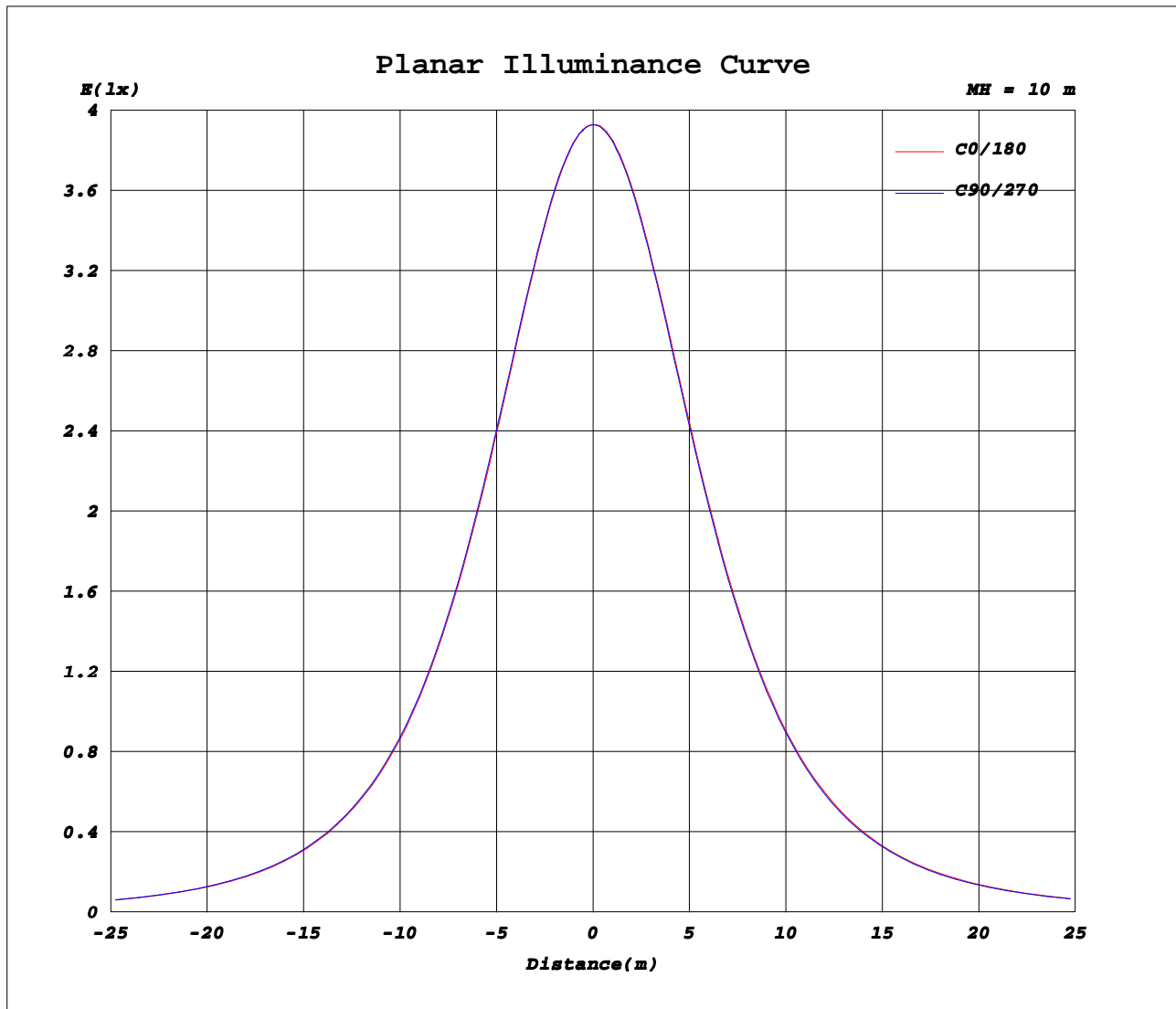
AvgL	cd/m2
L_0~180(65)av	3290
L_0~180(75)av	3372
L_0~180(85)av	5290
L_90~270(65)av	3285
L_90~270(75)av	3362
L_90~270(85)av	5284
L_45(65)av	3282
L_45(75)av	3375
L_45(85)av	5336

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ARK
Test Date:28 September 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: GCL-10 / Z-CL-10e

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 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: GCL-10 / Z-CL-10e

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm																		
NAME: 원형직부 / Z-CL-10e									TYPE:LED					WEIGHT:				
SPEC.:10W									DIM.:					SERIAL No.:				
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	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393
5	390	390	390	390	390	390	391	391	391	391	391	392	392	392	392	391	391	391	391
10	383	383	383	383	383	384	384	385	385	386	386	386	386	386	386	386	386	385	385
15	372	372	372	373	373	374	374	375	375	376	376	377	377	377	377	376	377	376	375
20	358	358	358	358	358	359	360	361	362	363	363	363	364	364	364	363	363	363	362
25	340	340	340	340	340	342	342	344	345	346	346	347	347	347	348	347	347	346	345
30	319	319	319	319	320	321	322	324	325	326	327	327	328	328	328	328	327	326	325
35	296	296	296	296	297	298	299	301	302	304	304	305	306	306	306	306	305	304	303
40	271	271	271	272	271	273	274	276	278	280	280	281	282	282	282	282	281	280	279
45	244	245	244	245	245	247	247	250	251	254	254	255	256	256	257	256	256	254	253
50	217	217	216	217	217	219	219	223	224	226	226	228	229	229	230	229	229	227	226
55	188	188	187	188	188	190	191	194	195	198	198	200	201	201	203	201	202	199	198
60	160	160	159	160	160	162	162	166	167	170	170	172	173	173	175	174	174	171	170
65	133	132	131	132	132	134	135	137	139	142	142	144	146	146	147	146	146	144	143
70	106	105	105	105	105	107	108	110	112	114	116	117	118	119	120	120	119	117	116
75	81.6	81.1	80.6	81.0	81.2	82.2	83.3	85.5	87.5	89.4	90.5	91.9	93.0	93.8	94.8	94.5	94.1	92.3	90.7
80	61.0	60.7	60.3	60.2	60.0	60.7	61.6	63.7	65.4	67.2	68.2	69.1	70.0	70.9	71.9	71.8	71.4	69.8	68.3
85	42.9	42.5	42.1	42.3	42.1	42.5	43.2	44.8	46.1	47.4	47.9	48.7	49.3	50.1	51.1	51.2	51.2	50.1	48.9
90	25.8	25.4	24.8	25.0	25.2	26.2	27.0	27.5	27.8	28.5	29.0	29.9	30.4	31.1	32.0	32.3	32.7	32.3	32.1
95	8.86	7.64	4.65	3.26	8.32	13.1	15.0	13.0	8.08	3.21	5.79	8.52	9.66	9.12	7.28	3.56	9.59	14.7	16.8
100	2.49	2.60	2.42	2.39	2.78	4.74	5.11	4.54	2.60	2.30	2.93	3.03	2.61	2.61	2.41	1.85	1.91	1.92	1.94
105	2.81	3.07	2.74	2.61	3.04	3.21	3.17	3.10	2.75	2.48	3.11	2.94	2.26	2.25	2.58	2.51	1.95	2.45	2.48
110	2.70	2.98	2.96	2.71	2.79	2.78	2.87	2.72	2.67	2.61	3.36	3.14	2.38	2.14	2.68	2.62	1.87	2.00	2.03
115	3.08	3.62	3.54	3.25	3.22	3.07	2.97	3.06	3.35	3.22	3.92	3.56	2.14	2.46	2.65	2.80	3.18	2.68	2.47
120	3.34	3.91	4.35	4.19	4.21	3.85	3.69	3.89	4.54	4.07	4.29	3.98	2.95	3.00	2.77	3.37	3.84	3.92	4.00
125	3.89	4.28	4.84	5.25	5.32	5.32	5.20	5.60	5.71	5.10	5.17	4.72	3.39	3.61	3.30	3.64	4.08	4.48	4.56
130	4.41	4.74	5.68	5.78	6.26	6.07	6.93	7.62	7.61	6.01	6.11	5.22	4.06	4.19	3.76	4.02	4.21	4.35	4.51
135	5.36	5.93	5.42	6.34	7.20	7.56	8.59	7.78	7.92	6.02	6.26	6.91	5.19	5.33	4.05	4.09	4.35	4.88	5.12
140	4.64	5.42	4.69	5.18	7.29	7.47	7.58	7.32	7.10	5.27	5.03	5.13	4.70	5.43	4.27	3.91	4.47	5.19	5.25
145	5.67	4.97	4.32	4.02	5.26	6.65	7.81	7.51	5.49	4.04	4.44	4.39	4.71	4.55	4.16	3.73	4.63	4.64	4.94
150	5.77	4.51	3.97	3.87	4.13	5.22	5.29	5.40	4.21	4.77	4.32	4.58	4.78	4.33	4.02	3.76	5.13	4.43	5.32
155	4.44	4.60	5.09	4.16	4.76	5.08	4.14	4.59	4.96	4.65	4.21	4.88	4.13	4.05	3.97	3.70	5.26	4.07	4.20
160	4.62	5.19	5.28	4.64	5.68	6.18	5.21	4.51	4.51	6.82	4.99	4.75	5.11	5.16	4.51	4.47	5.54	5.24	4.49
165	5.33	5.65	5.53	4.65	5.31	5.63	5.36	5.02	5.95	5.13	4.88	4.54	4.96	5.72	4.34	4.23	4.56	4.95	4.30
170	4.32	5.14	5.07	4.50	4.53	4.50	5.08	4.92	5.02	4.56	4.55	4.86	4.50	4.51	4.67	4.18	4.52	4.50	4.43
175	4.33	4.31	4.33	4.33	4.33	4.32	4.31	4.32	4.33	4.34	4.35	4.34	4.23	4.29	4.30	4.27	4.22	4.22	4.23
180	4.31	4.32	4.33	4.33	4.32	4.31	4.32	4.33	4.34	4.34	4.33	4.33	4.31	4.32	4.33	4.34	4.32	4.31	4.31

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:ARK

Test Date:28 September 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: GCL-10 / Z-CL-10e

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0512A P:10.46W PF:0.9288 Lamp Flux:1171.03x1 lm		
NAME: 원형직부 / Z-CL-10e	TYPE:LED	WEIGHT:
SPEC.:10W	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	393	393	393	393	393														
5	391	390	390	390	390														
10	384	384	383	383	383														
15	374	374	373	373	373														
20	360	359	359	358	358														
25	343	342	341	341	341														
30	323	322	321	320	320														
35	301	299	298	297	297														
40	276	275	273	273	272														
45	250	249	247	247	245														
50	223	222	219	219	217														
55	195	194	191	191	189														
60	167	166	163	163	161														
65	139	138	136	135	134														
70	113	111	109	108	107														
75	88.2	86.4	84.5	83.5	82.3														
80	66.2	64.8	63.2	62.4	61.5														
85	47.3	46.3	45.2	44.4	43.4														
90	30.3	29.0	27.4	26.9	26.1														
95	12.7	6.90	2.75	7.08	8.60														
100	1.94	1.86	1.76	2.05	1.88														
105	2.33	1.90	1.97	2.10	2.15														
110	1.99	1.95	2.18	2.20	2.13														
115	2.82	3.26	2.90	2.47	2.23														
120	3.98	3.79	2.89	2.81	3.25														
125	4.53	3.97	3.42	3.37	3.79														
130	4.42	4.61	4.10	3.99	4.59														
135	5.21	4.60	4.29	4.58	4.94														
140	5.51	4.41	3.66	4.03	4.24														
145	4.57	4.06	3.47	3.98	4.75														
150	5.78	4.06	5.11	4.08	5.97														
155	4.56	4.03	3.76	3.68	4.51														
160	4.18	3.83	4.08	4.17	4.28														
165	4.06	4.49	4.30	4.83	4.78														
170	4.51	4.30	4.28	4.50	4.68														
175	4.26	4.28	4.29	4.26	4.25														
180	4.33	4.34	4.34	4.34	4.34														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ARK
Test Date:28 September 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: GCL-10 / Z-CL-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	393.0	392.9	392.8	392.7	392.8	393.1	392.8	392.8	392.9	392.8
3.0	391.3	391.8	391.7	391.6	391.6	391.9	392.0	392.1	392.4	392.1
6.0	389.1	389.1	388.8	389.0	389.2	389.4	389.7	389.8	390.1	390.6
9.0	385.0	385.1	384.5	384.8	385.2	385.4	385.8	386.4	386.6	387.2
12.0	379.4	379.3	379.3	379.1	379.5	379.9	380.6	381.4	381.6	382.4
15.0	372.5	372.2	372.1	372.5	372.5	373.5	373.9	374.9	375.4	376.1
18.0	364.1	364.1	363.9	364.2	364.6	365.4	365.8	366.8	367.8	368.7
21.0	354.7	354.5	354.2	354.7	355.1	355.9	356.7	358.0	358.8	359.6
24.0	343.8	343.8	343.6	344.3	344.4	345.3	346.1	347.5	348.6	349.3
27.0	332.3	332.0	331.7	332.3	332.6	333.9	334.6	336.3	337.3	338.5
30.0	319.3	319.3	318.9	319.4	319.8	321.2	322.1	324.0	325.0	326.3
33.0	305.8	305.6	305.4	306.4	307.5	308.4	310.7	311.5	313.1	313.1
36.0	291.2	291.1	290.6	291.5	291.8	293.1	294.2	296.4	297.6	299.0
39.0	276.2	276.3	275.7	276.6	276.7	278.1	279.1	281.3	282.7	284.3
42.0	260.5	260.9	259.9	261.1	260.7	263.0	263.5	266.4	267.3	269.5
45.0	244.3	244.6	243.6	244.8	244.6	246.9	247.2	250.2	251.3	253.6
48.0	227.8	228.1	227.0	228.2	228.0	230.2	230.7	233.7	234.7	237.3
51.0	211.0	211.2	210.0	211.2	211.0	213.2	213.7	216.9	218.0	220.6
54.0	193.8	194.1	192.9	193.8	196.1	196.7	199.9	201.1	203.7	203.7
57.0	176.9	177.1	175.8	177.1	176.7	179.0	179.6	182.8	184.1	186.7
60.0	159.8	160.0	158.7	159.9	159.5	161.8	162.4	165.6	166.9	169.6
63.0	142.9	143.1	141.6	143.0	142.5	144.8	145.5	148.6	149.8	152.8
66.0	127.0	126.5	125.9	126.4	126.7	128.2	129.5	131.9	133.9	136.0
69.0	111.0	110.4	109.8	110.2	110.6	112.0	113.2	115.6	117.7	119.7
72.0	95.70	95.22	94.62	95.07	95.31	96.54	97.78	100.1	102.1	104.1
75.0	81.57	81.09	80.63	80.97	81.16	82.22	83.31	85.48	87.48	89.39
78.0	68.87	68.53	67.98	68.06	68.09	68.91	69.92	72.05	73.89	75.73
81.0	57.18	56.90	56.47	56.46	56.15	56.79	57.67	59.67	61.37	63.05
84.0	46.45	46.01	45.54	45.72	45.44	45.84	46.57	48.32	49.74	51.15
87.0	35.92	35.61	35.26	35.55	35.47	35.87	36.42	37.84	38.89	39.95
90.0	25.79	25.45	24.83	25.00	25.20	26.16	26.99	27.53	27.79	28.54
93.0	15.61	14.79	12.59	11.95	15.31	17.65	19.43	17.95	15.79	13.25
96.0	5.641	4.494	2.364	2.490	5.806	11.45	12.84	11.30	5.028	2.454
99.0	2.406	2.487	2.491	2.518	3.439	6.576	6.996	6.436	3.061	2.352
102.0	2.704	2.934	2.473	2.497	2.816	3.077	3.000	2.929	2.742	2.324
105.0	2.808	3.069	2.737	2.608	3.044	3.207	3.174	3.100	2.752	2.478
108.0	2.900	2.817	2.775	2.514	2.715	3.007	3.013	2.965	2.573	2.422
111.0	2.640	3.024	3.206	2.748	2.803	2.772	2.739	2.739	2.677	2.780
114.0	2.985	3.492	3.457	3.102	3.123	2.937	2.938	2.902	3.197	3.003
117.0	3.123	3.742	4.052	3.742	3.504	3.465	3.349	3.486	3.536	3.524
120.0	3.336	3.914	4.354	4.193	4.209	3.852	3.690	3.887	4.538	4.067
123.0	3.903	4.211	4.684	4.792	5.084	4.604	4.450	4.749	5.403	4.685
126.0	3.963	4.286	4.894	5.360	5.437	5.476	5.578	5.783	5.845	5.259
129.0	4.380	4.708	5.371	5.644	6.122	5.859	6.352	6.704	6.812	5.765
132.0	4.743	5.288	5.767	6.434	6.741	7.308	7.413	8.967	8.230	7.240
135.0	5.364	5.927	5.415	6.342	7.200	7.561	8.592	7.784	7.921	6.019
138.0	5.074	5.448	5.313	5.646	7.757	7.206	7.767	7.657	7.023	6.267
141.0	4.625	4.875	4.621	4.798	7.137	7.533	7.777	7.297	6.805	4.721
144.0	5.411	5.066	4.508	4.569	5.720	7.133	8.351	7.666	5.777	4.025
147.0	4.794	4.768	4.138	3.853	4.923	5.995	7.015	6.701	4.760	4.342
150.0	5.772	4.509	3.966	3.867	4.128	5.224	5.290	5.396	4.210	4.769
153.0	5.578	4.304	4.642	3.988	4.666	4.307	4.614	4.680	4.039	5.099
156.0	4.420	4.853	5.243	4.338	4.959	5.736	4.095	4.290	5.079	4.557
159.0	4.592	4.667	5.185	4.541	5.649	6.020	4.758	4.518	4.530	6.488
162.0	4.450	5.324	5.534	4.547	5.628	6.660	5.233	4.969	4.745	5.224
165.0	5.331	5.655	5.534	4.654	5.305	5.627	5.365	5.015	5.953	5.130
168.0	4.685	5.078	5.805	4.480	4.592	4.716	4.900	5.010	5.114	4.794
171.0	4.452	4.752	4.800	4.513	4.481	4.364	5.191	4.871	4.946	4.522
174.0	4.329	4.309	4.309	4.322	4.322	4.313	4.304	4.318	4.318	4.346
177.0	4.318	4.318	4.327	4.341	4.350	4.332	4.332	4.336	4.336	4.360
180.0	4.313	4.318	4.327	4.327	4.322	4.313	4.318	4.327	4.336	4.336
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	392.6	392.8	393.0	392.9	392.8	392.7	392.8	393.1	392.8	392.8
3.0	392.4	392.6	392.7	392.6	392.6	392.2	392.5	392.2	392.1	392.0
6.0	390.7	390.8	391.0	391.1	390.8	390.6	390.4	390.3	390.2	389.7
9.0	387.3	387.3	387.6	387.5	387.5	387.2	387.3	386.6	386.4	386.0
12.0	382.5	382.6	382.9	382.8	383.1	382.6	382.5	381.9	381.6	380.6
15.0	376.3	376.6	376.8	376.9	376.9	376.3	376.6	375.6	375.2	374.0
18.0	368.8	369.0	369.2	369.5	369.6	369.3	368.8	368.2	367.6	366.2
21.0	359.8	360.2	360.8	360.7	361.0	360.5	360.1	359.5	358.6	357.3
24.0	349.9	350.5	350.8	350.8	351.0	350.7	350.3	349.0	348.6	347.1
27.0	338.7	339.2	339.9	339.6	340.3	339.7	339.3	337.9	337.1	335.5
30.0	326.6	327.2	327.8	327.7	328.0	327.6	327.4	326.1	325.1	323.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 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: GCL-10 / Z-CL-10e

Photometric Data Table [cd]

33.0	313.4	314.2	314.9	315.0	315.5	314.7	314.4	313.0	311.9	309.9
36.0	299.5	300.3	301.1	301.4	301.6	301.0	300.7	299.1	297.9	295.9
39.0	284.9	285.8	286.6	286.8	287.4	286.6	286.2	284.8	283.6	281.2
42.0	269.5	271.1	271.9	271.5	272.7	271.4	271.7	269.6	268.8	265.7
45.0	253.7	255.4	256.2	256.0	257.1	256.0	256.1	253.9	253.1	249.9
48.0	237.5	239.2	240.1	239.8	241.2	240.0	240.1	237.8	237.0	233.7
51.0	220.9	222.7	223.7	223.4	224.9	223.6	223.9	221.3	220.6	217.1
54.0	204.0	205.9	207.1	206.9	208.2	207.1	207.2	205.0	204.0	200.7
57.0	187.2	189.1	190.2	190.3	191.6	190.3	190.6	188.3	187.3	183.6
60.0	170.1	172.2	173.4	173.3	174.9	173.6	173.8	171.4	170.4	166.8
63.0	153.2	155.4	156.7	156.6	158.1	157.0	157.2	154.7	153.7	150.1
66.0	137.2	138.7	140.0	140.4	141.6	140.9	140.7	138.6	137.2	134.3
69.0	121.0	122.5	123.8	124.6	125.4	125.0	124.6	122.8	121.1	118.3
72.0	105.3	106.7	108.0	108.8	109.8	109.4	108.9	107.1	105.5	102.8
75.0	90.53	91.88	92.96	93.84	94.76	94.54	94.05	92.31	90.71	88.23
78.0	76.78	77.93	78.93	79.79	80.73	80.55	80.15	78.47	76.94	74.64
81.0	63.86	64.85	65.63	66.46	67.50	67.45	67.17	65.62	64.18	62.19
84.0	51.79	52.62	53.25	54.04	55.02	55.13	55.09	53.87	52.58	50.82
87.0	40.38	40.99	41.50	42.36	43.44	43.67	43.79	43.01	42.03	40.50
90.0	28.99	29.90	30.37	31.07	32.03	32.26	32.67	32.35	32.05	30.32
93.0	15.17	17.80	18.87	18.80	18.22	16.33	19.46	21.78	23.11	20.24
96.0	3.247	5.210	6.029	5.440	3.685	1.939	5.083	11.63	13.23	9.790
99.0	2.961	3.072	2.733	2.651	2.485	1.892	1.763	2.282	3.116	1.954
102.0	2.831	2.923	2.365	2.566	2.181	2.205	2.134	2.198	2.177	2.198
105.0	3.113	2.938	2.257	2.255	2.584	2.506	1.952	2.449	2.480	2.333
108.0	3.095	3.165	2.305	2.222	2.440	2.393	1.933	2.026	2.078	2.018
111.0	3.480	3.240	2.468	2.065	2.612	2.668	2.051	1.962	1.994	1.980
114.0	3.853	3.565	2.138	2.281	2.709	2.574	2.871	2.309	2.302	2.435
117.0	3.992	3.891	2.448	2.713	2.691	3.301	3.533	3.462	3.305	3.704
120.0	4.288	3.984	2.947	3.002	2.771	3.375	3.836	3.918	4.002	3.983
123.0	5.052	4.440	3.240	3.411	3.180	3.370	4.099	4.220	4.222	4.353
126.0	5.256	4.881	3.524	3.708	3.370	3.648	4.141	4.383	4.592	4.471
129.0	5.831	5.169	3.929	4.084	3.635	3.681	4.123	4.397	4.504	4.457
132.0	7.126	5.422	4.342	4.363	4.262	4.059	4.395	4.409	4.426	4.912
135.0	6.265	6.906	5.188	5.330	4.047	4.089	4.351	4.885	5.125	5.211
138.0	5.378	5.554	4.653	5.410	3.988	4.206	4.527	4.910	5.119	4.828
141.0	5.047	5.023	4.693	5.194	4.383	3.691	4.559	4.988	5.092	5.037
144.0	4.478	4.365	4.345	4.518	4.164	3.546	4.652	4.736	4.776	4.643
147.0	4.402	4.399	5.167	4.731	4.127	3.835	4.314	4.933	5.069	4.671
150.0	4.318	4.577	4.776	4.331	4.017	3.763	5.126	4.425	5.316	5.783
153.0	4.071	4.703	4.450	3.978	3.763	3.756	5.300	4.579	5.462	5.546
156.0	4.229	5.406	4.017	4.160	4.048	3.796	5.208	4.431	3.657	4.471
159.0	4.905	5.256	5.025	4.977	4.435	4.284	5.707	5.442	4.504	4.402
162.0	4.890	4.602	4.798	5.108	4.522	4.431	5.202	5.102	4.407	4.346
165.0	4.879	4.536	4.964	5.716	4.342	4.225	4.556	4.955	4.300	4.057
168.0	4.709	4.788	4.802	5.113	4.648	4.197	4.476	4.397	4.379	4.595
171.0	4.504	4.677	4.518	4.532	4.619	4.188	4.654	4.550	4.471	4.393
174.0	4.342	4.318	4.276	4.305	4.285	4.267	4.211	4.317	4.280	4.243
177.0	4.350	4.341	4.290	4.285	4.295	4.285	4.271	4.276	4.281	4.295
180.0	4.332	4.327	4.313	4.318	4.327	4.336	4.322	4.313	4.309	4.327
G/C	300.0	315.0	330.0	345.0						
0.0	392.9	392.8	392.6	392.8						
3.0	391.8	391.6	391.7	391.6						
6.0	389.3	389.1	389.2	388.9						
9.0	385.5	385.0	385.2	384.7						
12.0	380.4	379.5	379.6	379.2						
15.0	373.5	372.6	372.7	372.5						
18.0	365.4	364.8	364.6	364.3						
21.0	356.2	355.5	355.3	354.9						
24.0	345.9	344.9	344.6	344.2						
27.0	334.5	333.2	332.9	332.4						
30.0	322.1	320.7	320.3	319.7						
33.0	308.6	307.2	307.0	306.2						
36.0	294.6	293.0	292.8	291.8						
39.0	280.1	278.1	278.0	276.8						
42.0	264.8	262.5	262.6	260.9						
45.0	248.8	246.6	246.5	245.0						
48.0	232.6	230.2	230.2	228.5						
51.0	216.2	213.4	213.5	211.7						
54.0	199.3	196.8	196.6	194.8						
57.0	182.5	179.7	179.6	177.7						
60.0	165.6	162.8	162.6	160.7						
63.0	148.9	146.1	145.8	143.9						
66.0	132.3	130.3	129.3	128.0						

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: ARK

Test Date: 28 September 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]

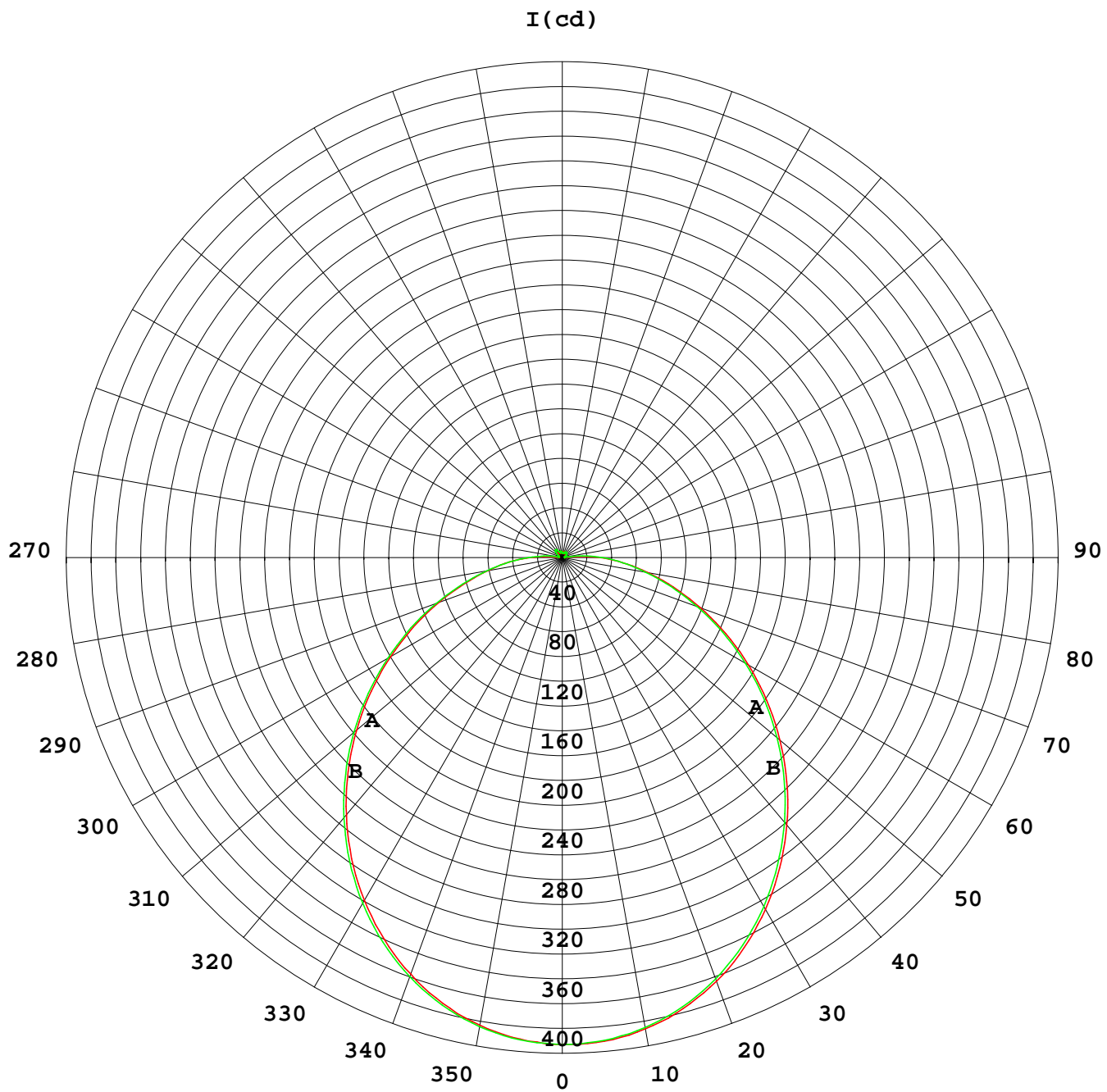
Remarks: GCL-10 / Z-CL-10e

Photometric Data Table [cd]

69.0	116.3	114.1	113.1	111.9
72.0	100.8	98.77	97.74	96.60
75.0	86.44	84.50	83.47	82.34
78.0	73.13	71.35	70.31	69.32
81.0	60.84	59.32	58.65	57.74
84.0	49.71	48.60	47.90	46.95
87.0	39.54	38.26	37.38	36.40
90.0	28.97	27.43	26.92	26.15
93.0	16.36	12.02	15.27	15.63
96.0	3.465	1.496	3.661	5.154
99.0	1.813	1.817	1.842	1.793
102.0	2.036	1.799	2.249	2.082
105.0	1.901	1.971	2.101	2.147
108.0	1.896	1.878	2.407	2.212
111.0	2.172	2.380	2.253	2.120
114.0	2.963	2.832	2.560	2.124
117.0	3.430	2.747	2.645	2.510
120.0	3.795	2.888	2.808	3.254
123.0	3.974	3.293	3.166	3.630
126.0	3.979	3.398	3.491	3.862
129.0	4.356	3.843	3.826	4.381
132.0	5.177	5.105	4.553	4.462
135.0	4.596	4.288	4.582	4.941
138.0	4.513	3.761	4.043	4.724
141.0	4.351	3.667	4.113	4.303
144.0	4.266	3.686	4.025	4.759
147.0	3.928	3.834	4.043	4.884
150.0	4.057	5.115	4.085	5.971
153.0	4.127	5.600	3.755	5.329
156.0	3.982	3.672	3.733	4.370
159.0	3.862	3.945	3.998	3.928
162.0	4.096	4.054	5.139	4.474
165.0	4.488	4.304	4.833	4.784
168.0	4.280	4.490	4.727	4.983
171.0	4.304	4.202	4.479	4.511
174.0	4.276	4.262	4.239	4.234
177.0	4.304	4.304	4.295	4.285
180.0	4.341	4.341	4.336	4.336

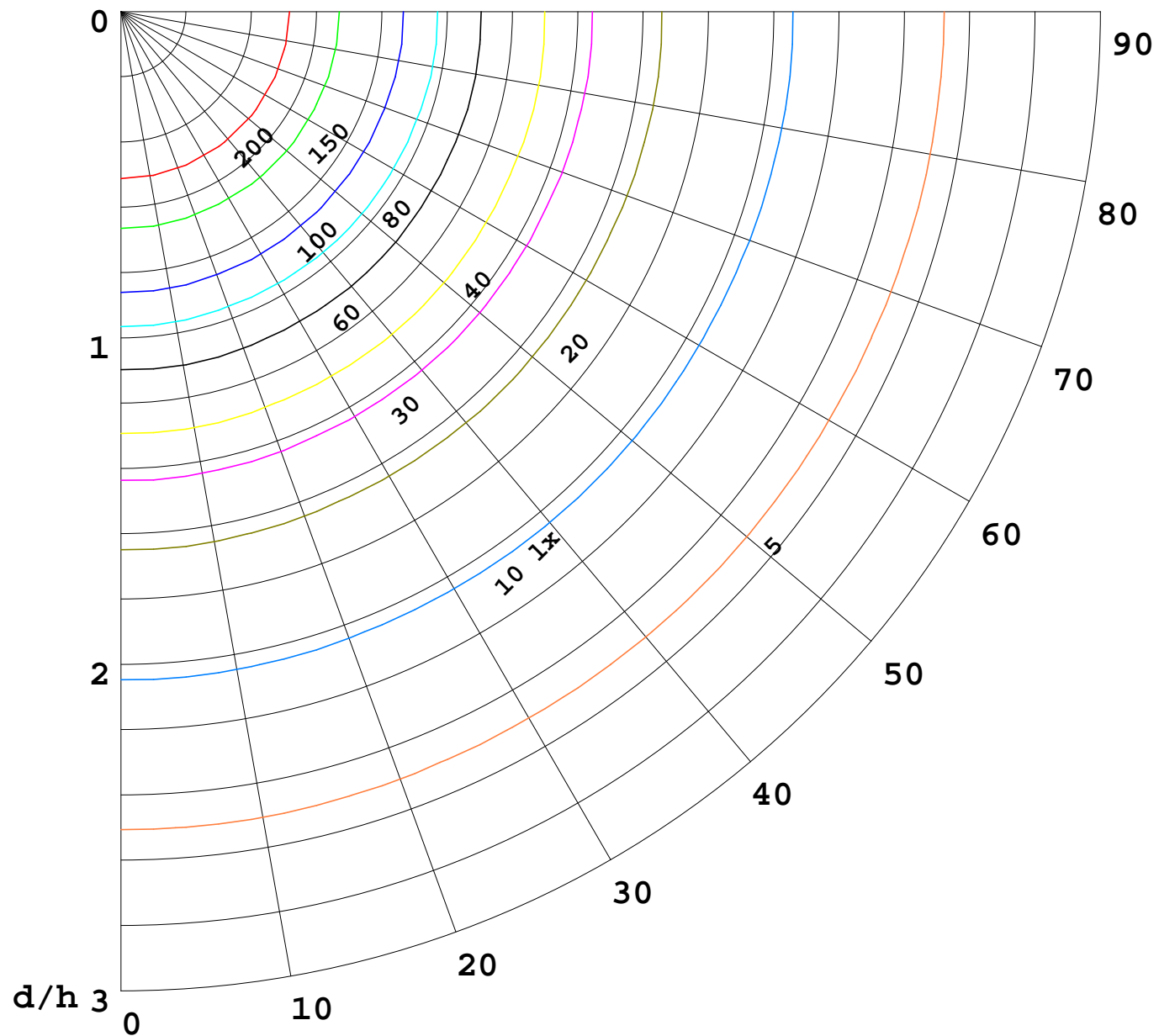
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ARK
Test Date: 28 September 2022

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: GCL-10 / Z-CL-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

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

