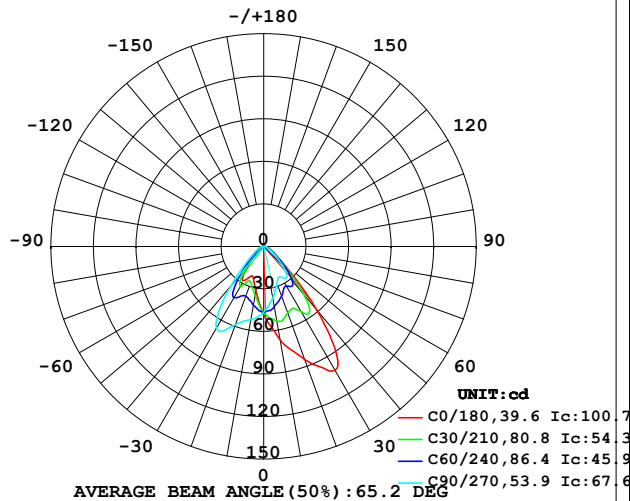


LUMINAIRE PHOTOMETRIC TEST REPORT

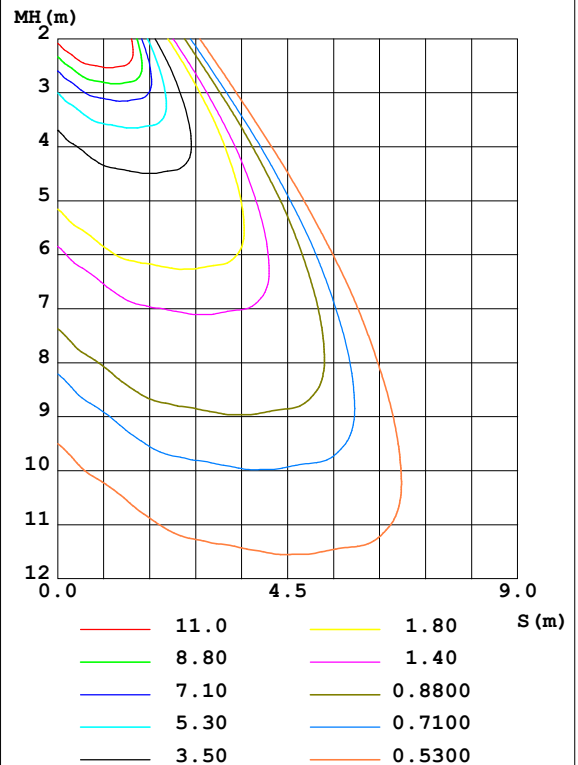
Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 25.09 lm/W			
MODEL	3535	I _{max} (cd)	164.3	S/MH (C0/180)	0.53
NOMINAL POWER (W)	23	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	110.81	η UP, DN (C0-180)	1.5, 42.2
NOMINAL FLUX (lm)	110.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.0, 55.4
LAMPS INSIDE	1	η up (%)	2.5	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	24	η down (%)	97.5	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	66.69	48.25	36.98	30.92	32.10	38.59	52.43	68.85	0- 10	4.438	4.438	4,4.01
20	84.97	43.59	27.62	22.14	22.72	32.24	58.59	121.2	10- 20	14.02	18.46	16.7,16.7
30	100.7	42.78	25.18	25.10	27.79	37.04	66.59	125.5	20- 30	25.99	44.45	40.1,40.1
40	57.89	37.47	25.03	18.10	16.20	22.52	35.74	65.56	30- 40	29.72	74.16	66.9,66.9
50	16.10	15.31	12.87	8.921	7.247	8.942	12.62	25.27	40- 50	17.77	91.93	83,83
60	7.172	6.966	6.304	5.277	4.294	4.573	6.134	8.952	50- 60	8.286	100.2	90.4,90.5
70	3.988	3.825	3.300	2.822	2.355	2.351	3.228	4.296	60- 70	4.585	104.8	94.6,94.6
80	2.077	1.837	1.290	1.048	0.8229	0.7888	1.142	1.874	70- 80	2.388	107.2	96.7,96.7
90	0.7751	0.5654	0.3587	0.4735	0.3468	0.2612	0.0755	0.3770	80- 90	0.8570	108.0	97.5,97.5
100	0.4021	0.3718	0.3719	0.4782	0.4072	0.2589	0.0754	0.1245	90-100	0.3554	108.4	97.8,97.8
110	0.4021	0.3732	0.4322	0.5503	0.5077	0.3116	0.1185	0.1448	100-110	0.3477	108.8	98.1,98.2
120	0.4021	0.3945	0.5227	0.6658	0.5831	0.3757	0.1948	0.1759	110-120	0.3749	109.1	98.5,98.5
130	0.4021	0.4458	0.6182	0.7332	0.6434	0.4615	0.2713	0.2388	120-130	0.3961	109.5	98.8,98.8
140	0.4322	0.5117	0.6835	0.7447	0.6566	0.5202	0.3619	0.3267	130-140	0.3879	109.9	99.2,99.2
150	0.4973	0.5855	0.7014	0.7331	0.6611	0.5754	0.4723	0.4573	140-150	0.3478	110.3	99.5,99.5
160	0.6030	0.6584	0.7087	0.7338	0.6886	0.6320	0.5930	0.6005	150-160	0.2849	110.5	99.8,99.8
170	0.7587	0.7295	0.7086	0.7410	0.8093	0.6970	0.6886	0.7086	160-170	0.1947	110.7	99.9,99.9
180	0.8242	0.7539	0.7086	0.7639	0.8343	0.7564	0.7137	0.7614	170-180	0.0706	110.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 84.748 lm

%lum = 76.5%

%lamp = 76.5%

Conical surface Flux(120deg): 100.22 lm

%lum = 90.4%

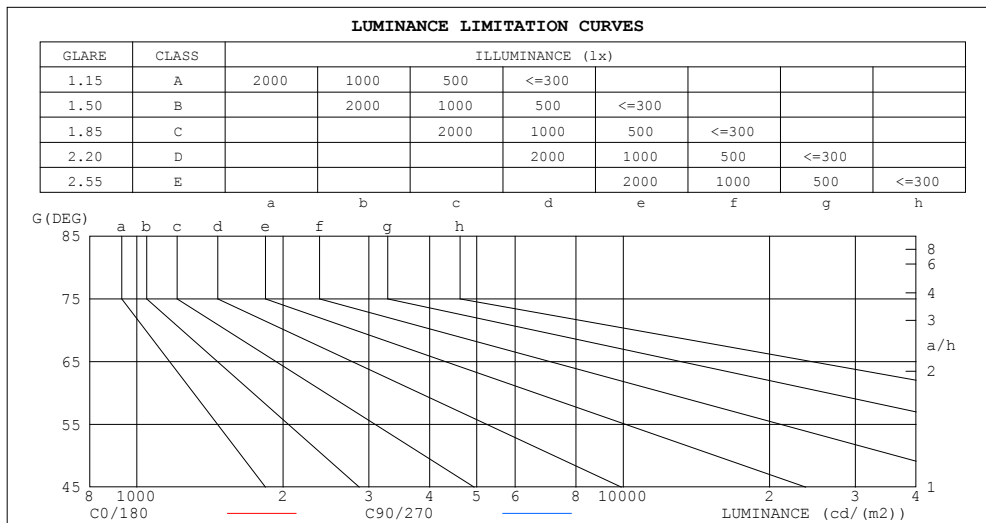
%lamp = 90.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	155	70
80	120	74
75	114	85
70	117	96
65	126	109
60	143	126
55	176	153
50	250	200
45	437	268

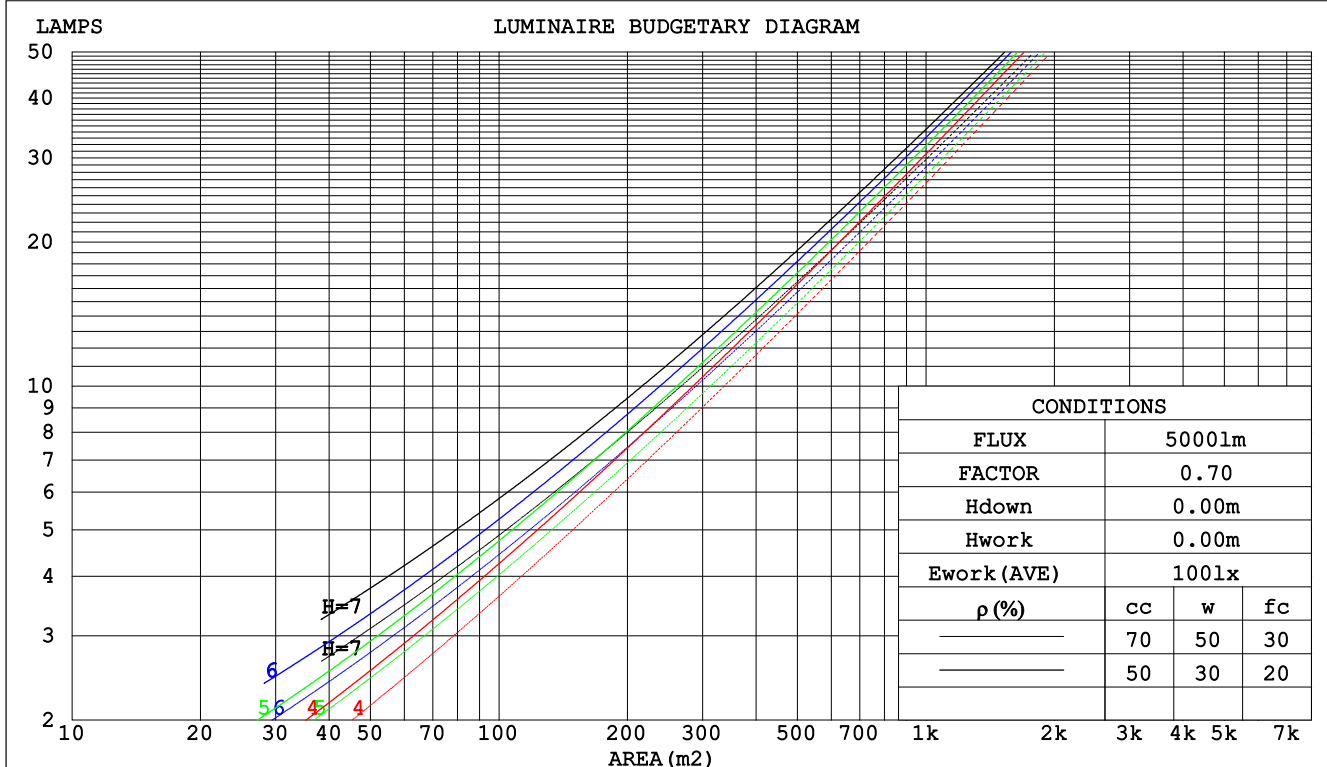
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.07	1.04	1.01	1.05	1.01	.99	.00	.97	.95	.96	.94	.92	.92	.90	.89	.87
2.0	.96	.91	.86	.94	.89	.85	.91	.86	.83	.87	.84	.81	.84	.81	.79	.77
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.79	.75	.71	.77	.73	.70	.68
4.0	.79	.72	.66	.77	.71	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.72	.64	.59	.71	.63	.58	.68	.62	.57	.66	.61	.57	.64	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.49	.45	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.50	.45	.41	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.38	.35	.33



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm								
NAME: LED Wall Grazer				TYPE:			WEIGHT:	
SPEC.:				DIM.: 18.5MM*18.5MM			SERIAL No.:	
MFR.:				SUR.:1.0*0.0185			Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.239	.136	.043	.232	.132	.042	.217	.125	.040	.204	.118	.038	.192	.111	.036		
2.0	.229	.126	.039	.223	.123	.038	.210	.117	.036	.199	.112	.035	.188	.106	.034		
3.0	.217	.116	.035	.211	.113	.034	.200	.109	.033	.190	.104	.032	.181	.100	.031		
4.0	.205	.106	.031	.200	.104	.031	.190	.101	.030	.181	.097	.029	.173	.094	.029		
5.0	.193	.098	.029	.189	.097	.028	.180	.094	.028	.172	.091	.027	.164	.088	.026		
6.0	.182	.091	.026	.178	.090	.026	.171	.087	.025	.163	.085	.025	.157	.082	.024		
7.0	.172	.085	.024	.169	.084	.024	.162	.082	.024	.155	.080	.023	.149	.078	.023		
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.148	.075	.022	.142	.073	.021		
9.0	.155	.075	.021	.152	.074	.021	.146	.072	.021	.141	.071	.020	.136	.069	.020		
10.0	.147	.071	.020	.145	.070	.019	.139	.068	.019	.135	.067	.019	.130	.065	.019		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.195	.176	.159	.166	.151	.137	.114	.104	.095	.066	.060	.055	.021	.019	.018	
2.0	.183	.151	.125	.157	.130	.108	.108	.090	.075	.062	.052	.044	.020	.017	.014	
3.0	.174	.133	.101	.149	.115	.088	.102	.080	.062	.059	.047	.036	.019	.015	.012	
4.0	.165	.119	.084	.142	.103	.073	.098	.072	.052	.056	.042	.031	.018	.014	.010	
5.0	.158	.109	.072	.136	.094	.063	.093	.066	.044	.054	.039	.026	.017	.013	.009	
6.0	.151	.100	.063	.130	.087	.055	.090	.061	.039	.052	.036	.023	.017	.012	.008	
7.0	.145	.093	.056	.125	.081	.049	.086	.056	.035	.050	.033	.021	.016	.011	.007	
8.0	.139	.087	.051	.120	.076	.045	.083	.053	.032	.048	.031	.019	.016	.010	.006	
9.0	.134	.082	.047	.116	.071	.041	.080	.050	.029	.047	.030	.017	.015	.010	.006	
10.0	.129	.078	.044	.111	.068	.038	.077	.048	.027	.045	.028	.016	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm											
NAME: LED Wall Grazer					TYPE:			WEIGHT:			
SPEC.:					DIM.: 18.5MM*18.5MM			SERIAL No.:			
MFR.:					SUR.:1.0*0.0185			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		15.1	16.3	15.4	16.6	16.8	12.9	14.2	13.2	14.4	14.7
	3H	15.4	16.5	15.7	16.8	17.0	13.4	14.6	13.8	14.8	15.1
	4H	15.5	16.6	15.9	16.9	17.2	13.6	14.7	14.0	15.0	15.3
	6H	15.7	16.7	16.1	17.0	17.3	13.8	14.8	14.1	15.1	15.4
	8H	15.8	16.8	16.2	17.1	17.4	13.8	14.8	14.2	15.1	15.4
	12H	15.9	16.8	16.3	17.2	17.5	13.8	14.8	14.2	15.1	15.4
4H	2H	15.0	16.1	15.4	16.4	16.7	13.1	14.2	13.5	14.5	14.8
	3H	15.5	16.4	15.9	16.7	17.1	13.8	14.7	14.2	15.1	15.4
	4H	15.8	16.6	16.2	17.0	17.3	14.2	15.0	14.6	15.3	15.7
	6H	16.1	16.8	16.5	17.2	17.6	14.4	15.2	14.8	15.5	16.0
	8H	16.3	16.9	16.7	17.3	17.8	14.5	15.2	15.0	15.6	16.0
	12H	16.4	17.1	16.9	17.5	17.9	14.6	15.2	15.0	15.6	16.1
8H	4H	15.8	16.5	16.3	16.9	17.3	14.3	15.0	14.8	15.4	15.8
	6H	16.3	16.8	16.7	17.3	17.7	14.7	15.3	15.2	15.7	16.2
	8H	16.5	17.0	17.0	17.5	18.0	14.9	15.4	15.4	15.9	16.4
	12H	16.8	17.2	17.3	17.7	18.3	15.0	15.5	15.6	16.0	16.5
12H	4H	15.8	16.4	16.3	16.9	17.3	14.3	14.9	14.8	15.4	15.8
	6H	16.3	16.8	16.8	17.2	17.7	14.8	15.3	15.3	15.7	16.2
	8H	16.6	17.0	17.1	17.5	18.0	15.0	15.4	15.5	15.9	16.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.9 / - 1.8					+ 1.1 / - 1.0					
1.5H	+ 3.2 / - 1.7					+ 0.7 / - 0.9					
2.0H	+ 2.8 / - 1.0					+ 1.6 / - 1.1					

CIE Pub.117, 110.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.6)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

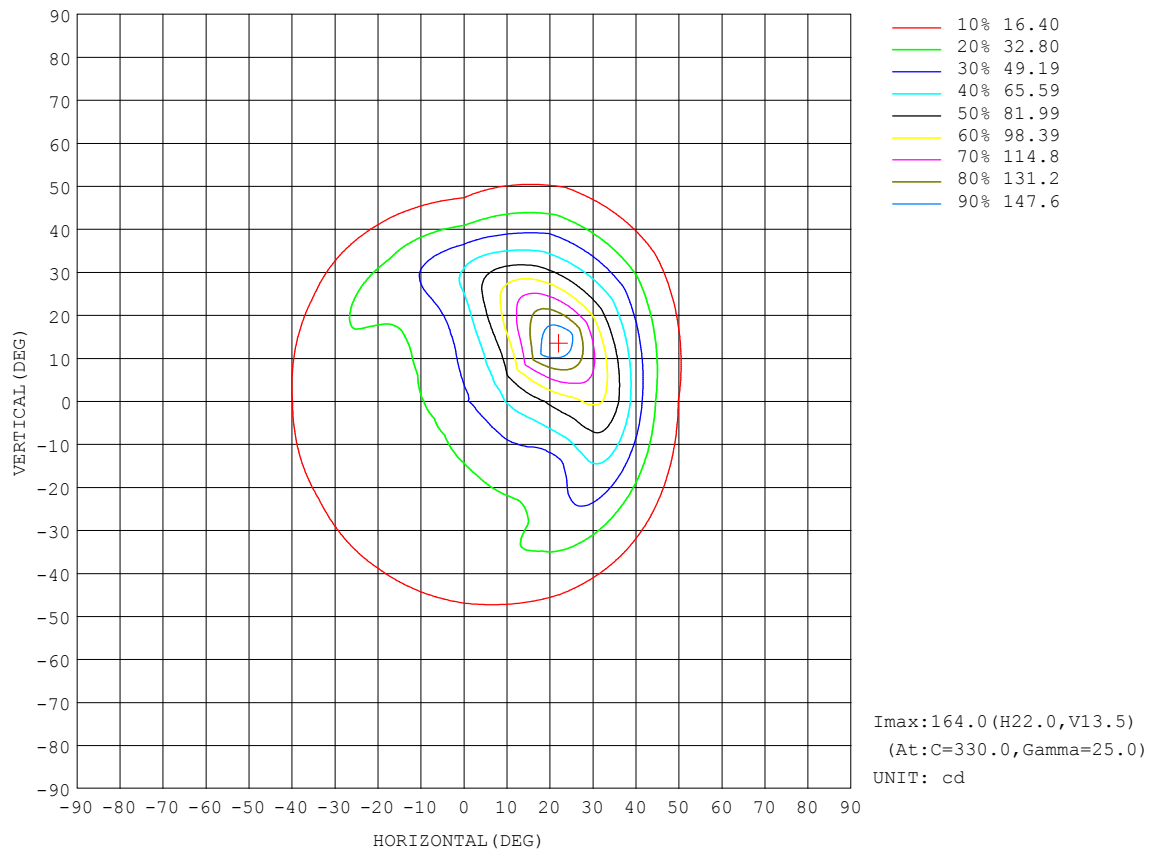
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	61	56	69	61	56	51
0.80	80	71	66	79	71	66	77	70	65	60
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	85	95	89	84	92	87	83	76
2.00	102	95	91	100	94	90	97	92	88	81
2.50	104	99	94	102	97	93	99	94	91	83
3.00	107	102	98	105	100	96	101	97	94	86
4.00	110	105	102	107	103	100	103	100	97	89
5.00	111	108	105	109	106	103	104	102	100	90
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

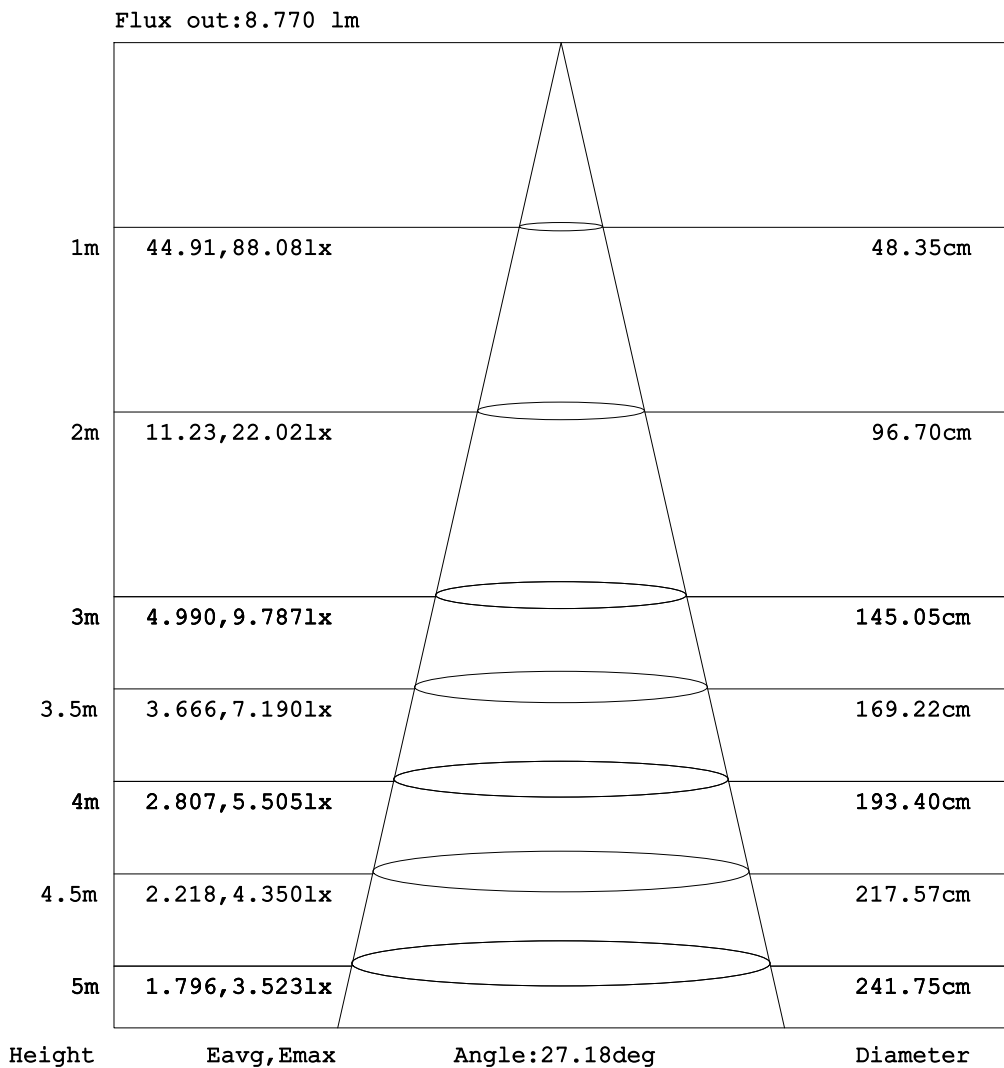


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



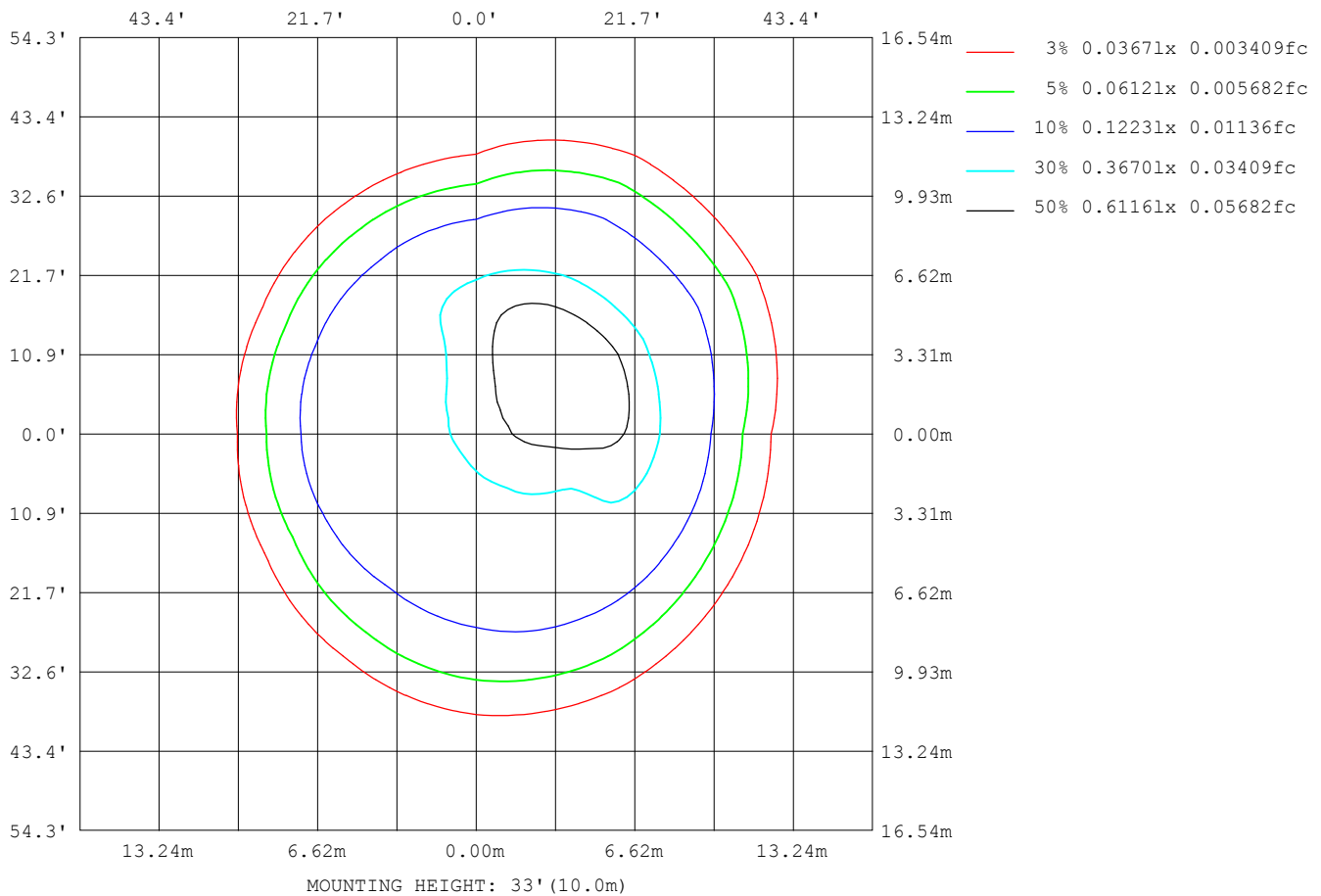
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

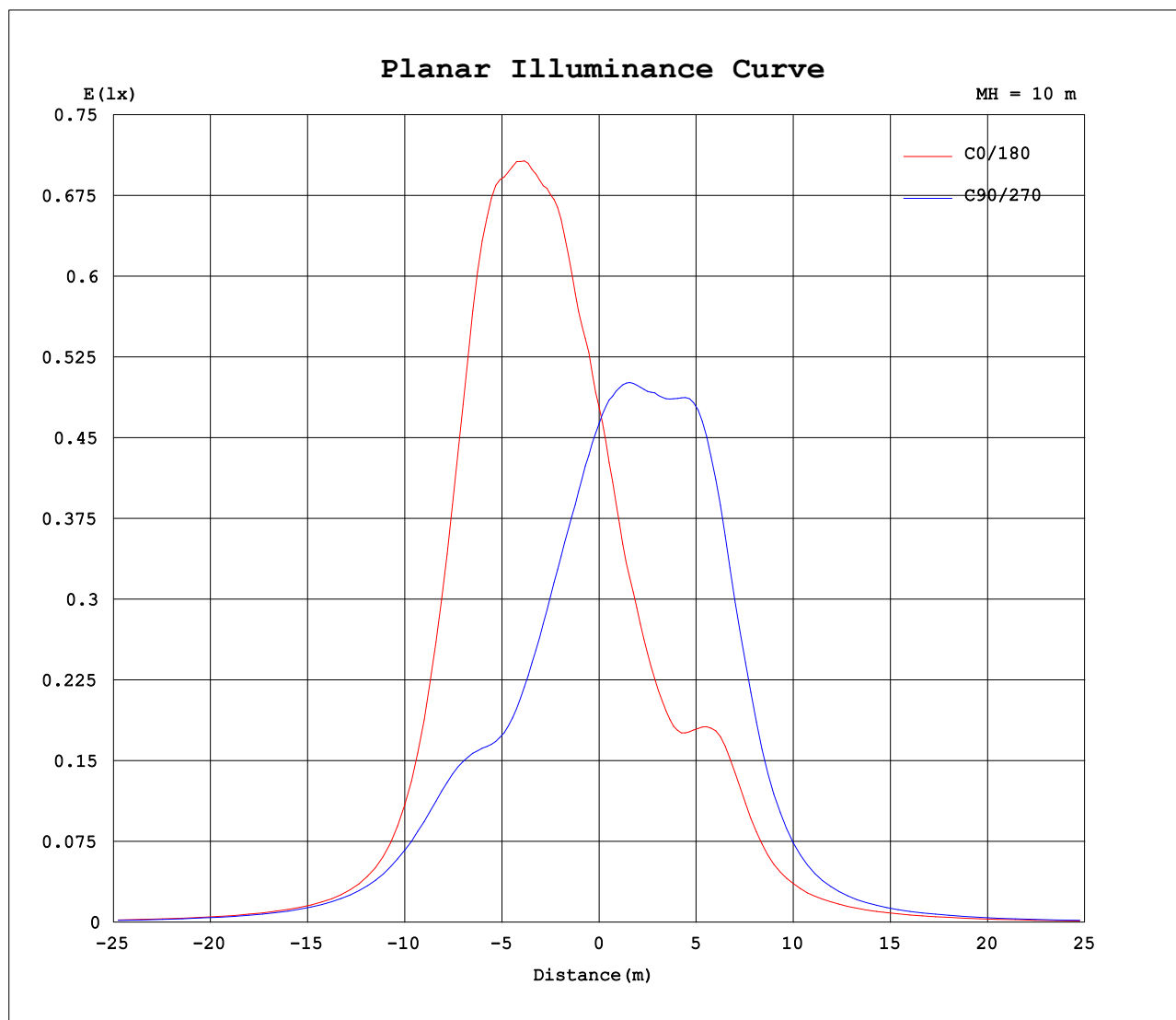
AvgL	cd/m2
L_0~180 (65) av	102
L_0~180 (75) av	86
L_0~180 (85) av	100
L_90~270 (65) av	108
L_90~270 (75) av	83
L_90~270 (85) av	58
L_45 (65) av	111
L_45 (75) av	88
L_45 (85) av	87

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.1840A P:4.416W PF:1.000 Freq:0Hz Lamp Flux:110.8x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	47.8	47.0	46.5	46.3	46.3	47.0	47.8	47.0	46.5	46.3	46.3	47.0						
5	56.0	50.9	45.4	41.7	38.7	37.8	39.5	41.0	44.9	49.9	54.3	57.3						
10	66.7	53.4	43.1	37.0	31.6	30.2	32.1	35.2	42.0	52.4	64.9	72.8						
15	75.7	53.4	40.2	32.2	26.2	24.7	26.4	30.6	39.2	54.6	79.6	103						
20	85.0	49.9	37.3	27.6	22.7	21.5	22.7	27.0	37.5	58.6	101	142						
25	93.6	48.3	33.5	24.5	22.4	22.4	23.8	27.5	38.8	65.3	114	164						
30	101	53.2	32.4	25.2	24.6	25.6	27.8	32.4	41.7	66.6	108	143						
35	87.4	56.5	34.4	27.2	24.3	23.9	25.3	29.0	36.9	54.3	83.2	102						
40	57.9	43.5	31.4	25.0	19.9	16.3	16.2	19.4	25.6	35.7	60.6	70.5						
45	30.9	26.2	23.3	19.0	14.1	10.9	10.3	12.0	16.0	20.9	41.6	46.7						
50	16.1	15.6	15.1	12.9	9.68	8.16	7.25	7.86	10.0	12.6	24.5	26.1						
55	10.1	9.83	9.81	8.77	7.15	6.42	5.50	5.66	6.81	8.43	14.2	14.3						
60	7.17	7.08	6.85	6.30	5.45	5.10	4.29	4.23	4.91	6.13	9.04	8.86						
65	5.32	5.27	5.06	4.60	4.09	3.84	3.27	3.16	3.55	4.54	6.14	6.10						
70	3.99	3.93	3.72	3.30	2.91	2.73	2.35	2.24	2.47	3.23	4.26	4.33						
75	2.95	2.85	2.64	2.20	1.91	1.77	1.51	1.44	1.54	2.09	2.86	3.04						
80	2.08	1.96	1.71	1.29	1.09	1.00	0.82	0.78	0.79	1.14	1.74	2.01						
85	1.35	1.24	0.97	0.61	0.56	0.55	0.40	0.39	0.28	0.41	0.85	1.18						
90	0.78	0.66	0.47	0.36	0.42	0.52	0.35	0.30	0.23	0.08	0.23	0.52						
95	0.46	0.42	0.35	0.35	0.43	0.51	0.36	0.30	0.20	0.08	0.10	0.17						
100	0.40	0.39	0.35	0.37	0.43	0.52	0.41	0.30	0.22	0.08	0.11	0.14						
105	0.40	0.38	0.35	0.40	0.44	0.56	0.45	0.32	0.25	0.11	0.13	0.14						
110	0.40	0.39	0.36	0.43	0.48	0.62	0.51	0.36	0.27	0.12	0.15	0.14						
115	0.40	0.39	0.36	0.47	0.53	0.67	0.54	0.38	0.30	0.15	0.18	0.14						
120	0.40	0.41	0.38	0.52	0.59	0.74	0.58	0.42	0.33	0.19	0.20	0.15						
125	0.40	0.43	0.42	0.56	0.63	0.78	0.61	0.46	0.37	0.22	0.23	0.19						
130	0.40	0.44	0.45	0.62	0.68	0.78	0.64	0.51	0.41	0.27	0.27	0.21						
135	0.40	0.47	0.48	0.65	0.69	0.79	0.65	0.53	0.45	0.32	0.31	0.27						
140	0.43	0.50	0.52	0.68	0.70	0.79	0.66	0.54	0.50	0.36	0.36	0.29						
145	0.45	0.54	0.56	0.70	0.71	0.78	0.66	0.55	0.54	0.42	0.41	0.35						
150	0.50	0.57	0.60	0.70	0.71	0.76	0.66	0.57	0.58	0.47	0.49	0.43						
155	0.54	0.62	0.61	0.71	0.71	0.76	0.66	0.60	0.61	0.52	0.56	0.50						
160	0.60	0.67	0.64	0.71	0.71	0.75	0.69	0.61	0.65	0.59	0.62	0.58						
165	0.68	0.72	0.68	0.71	0.71	0.76	0.74	0.64	0.68	0.64	0.68	0.64						
170	0.76	0.77	0.69	0.71	0.72	0.77	0.81	0.69	0.71	0.69	0.73	0.69						
175	0.79	0.79	0.71	0.71	0.72	0.77	0.83	0.72	0.74	0.71	0.76	0.71						
180	0.82	0.80	0.71	0.71	0.75	0.77	0.83	0.76	0.75	0.71	0.76	0.76						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	47.85	47.02	46.49	46.34	46.31	46.98	47.85	47.02	46.49	46.34
3.0	53.16	49.31	45.65	43.56	41.61	41.50	42.87	43.47	45.83	48.71
6.0	57.70	51.13	45.36	40.68	37.24	36.10	37.65	39.60	44.42	50.47
9.0	64.43	52.94	43.90	37.88	32.82	31.42	33.21	36.08	42.62	52.03
12.0	70.95	54.17	41.81	35.02	29.24	27.73	29.61	33.22	40.65	53.10
15.0	75.66	53.38	40.19	32.20	26.15	24.67	26.39	30.58	39.18	54.64
18.0	80.82	51.38	38.48	29.39	23.74	22.41	23.95	27.99	37.92	56.69
21.0	86.92	49.38	36.67	26.88	22.35	21.41	22.37	26.59	37.41	59.77
24.0	92.08	48.44	34.23	24.94	22.11	21.89	23.08	26.76	38.23	63.92
27.0	97.50	49.43	32.39	24.31	23.24	23.88	25.48	29.87	40.43	67.30
30.0	100.7	53.20	32.35	25.18	24.57	25.62	27.79	32.39	41.70	66.59
33.0	96.34	56.92	33.62	26.63	24.97	25.75	27.77	31.36	40.29	60.86
36.0	82.04	55.27	34.54	27.25	23.69	22.63	23.63	27.37	34.66	50.82
39.0	63.84	47.21	32.59	25.96	21.10	17.96	17.91	21.49	27.89	39.68
42.0	45.82	36.14	28.49	22.85	17.52	13.68	13.17	15.86	21.37	29.03
45.0	30.89	26.18	23.28	18.96	14.05	10.89	10.25	11.98	16.00	20.90
48.0	20.49	18.96	18.09	15.03	11.12	8.977	8.151	9.168	12.03	15.25
51.0	14.46	14.12	13.79	11.88	9.079	7.786	6.825	7.337	9.244	11.53
54.0	10.87	10.69	10.62	9.438	7.559	6.702	5.777	6.060	7.307	9.098
57.0	8.676	8.614	8.445	7.635	6.417	5.913	4.968	5.063	5.946	7.382
60.0	7.172	7.077	6.855	6.304	5.451	5.104	4.294	4.234	4.911	6.134
63.0	5.985	5.897	5.709	5.199	4.597	4.320	3.686	3.565	4.058	5.104
66.0	5.004	4.963	4.763	4.310	3.837	3.592	3.069	2.942	3.310	4.229
69.0	4.204	4.154	3.958	3.541	3.133	2.938	2.521	2.399	2.676	3.455
72.0	3.551	3.456	3.260	2.838	2.495	2.315	1.993	1.881	2.078	2.731
75.0	2.947	2.853	2.636	2.205	1.912	1.768	1.511	1.444	1.541	2.088
78.0	2.409	2.300	2.058	1.627	1.394	1.295	1.074	1.026	1.074	1.509
81.0	1.921	1.803	1.560	1.134	0.9613	0.8936	0.7075	0.6843	0.6670	0.9813
84.0	1.489	1.371	1.107	0.7226	0.6295	0.6126	0.4516	0.4378	0.3459	0.5290
87.0	1.097	0.9791	0.7301	0.3916	0.4578	0.5413	0.3467	0.3119	0.2557	0.1869
90.0	0.7751	0.6626	0.4682	0.3587	0.4222	0.5247	0.3468	0.2965	0.2259	0.0755
93.0	0.5435	0.4319	0.3570	0.3494	0.4256	0.5082	0.3569	0.2965	0.1960	0.0754
96.0	0.4276	0.4152	0.3481	0.3519	0.4291	0.5027	0.3720	0.2965	0.2061	0.0754
99.0	0.4071	0.3986	0.3499	0.3619	0.4325	0.5227	0.4021	0.2966	0.2162	0.0754
102.0	0.4021	0.3865	0.3518	0.3820	0.4359	0.5329	0.4272	0.3065	0.2263	0.0854
105.0	0.4021	0.3838	0.3536	0.4021	0.4441	0.5630	0.4524	0.3166	0.2463	0.1077
108.0	0.4021	0.3873	0.3555	0.4122	0.4523	0.5982	0.4827	0.3466	0.2564	0.1142
111.0	0.4021	0.3908	0.3519	0.4273	0.4874	0.6333	0.5127	0.3617	0.2714	0.1206
114.0	0.4021	0.3900	0.3575	0.4625	0.5226	0.6685	0.5378	0.3819	0.2915	0.1406
117.0	0.4021	0.3991	0.3662	0.4876	0.5427	0.6987	0.5680	0.4020	0.3117	0.1558
120.0	0.4021	0.4071	0.3818	0.5227	0.5929	0.7388	0.5831	0.4246	0.3268	0.1948
123.0	0.4021	0.4122	0.3920	0.5479	0.6130	0.7690	0.6033	0.4472	0.3519	0.2069
126.0	0.4021	0.4272	0.4370	0.5680	0.6382	0.7804	0.6283	0.4723	0.3821	0.2261
129.0	0.4021	0.4472	0.4462	0.5933	0.6783	0.7824	0.6383	0.5074	0.4022	0.2661
132.0	0.4021	0.4573	0.4573	0.6283	0.6834	0.7844	0.6583	0.5175	0.4323	0.2814
135.0	0.4021	0.4674	0.4774	0.6534	0.6945	0.7864	0.6544	0.5276	0.4525	0.3214
138.0	0.4221	0.4926	0.5091	0.6734	0.7017	0.7870	0.6557	0.5377	0.4876	0.3518
141.0	0.4372	0.5076	0.5267	0.6835	0.7052	0.7848	0.6571	0.5427	0.5077	0.3768
144.0	0.4372	0.5228	0.5477	0.6936	0.7071	0.7740	0.6584	0.5528	0.5278	0.4020
147.0	0.4623	0.5529	0.5678	0.6997	0.7082	0.7659	0.6598	0.5579	0.5529	0.4322
150.0	0.4973	0.5730	0.5980	0.7014	0.7093	0.7568	0.6611	0.5729	0.5780	0.4723
153.0	0.5227	0.5983	0.5981	0.7034	0.7104	0.7562	0.6625	0.5929	0.5931	0.5176
156.0	0.5428	0.6333	0.6230	0.7060	0.7115	0.7555	0.6635	0.6005	0.6182	0.5376
159.0	0.5930	0.6685	0.6482	0.7087	0.7127	0.7548	0.6786	0.6080	0.6434	0.5878
162.0	0.6331	0.6986	0.6683	0.7087	0.7138	0.7541	0.7038	0.6181	0.6635	0.5981
165.0	0.6784	0.7238	0.6817	0.7087	0.7149	0.7589	0.7389	0.6432	0.6836	0.6432
168.0	0.7185	0.7539	0.6868	0.7087	0.7160	0.7627	0.7891	0.6773	0.6986	0.6734
171.0	0.7539	0.7690	0.6918	0.7086	0.7171	0.7664	0.8243	0.6894	0.7137	0.6985
174.0	0.7839	0.7890	0.7018	0.7086	0.7182	0.7702	0.8293	0.7086	0.7239	0.7016
177.0	0.8041	0.7991	0.7037	0.7086	0.7237	0.7740	0.8343	0.7438	0.7488	0.7135
180.0	0.8242	0.7991	0.7086	0.7086	0.7539	0.7740	0.8343	0.7639	0.7488	0.7137
G/C	300.0	330.0								
0.0	46.31	46.98								
3.0	50.83	53.17								
6.0	56.31	59.24								
9.0	62.87	68.55								
12.0	69.48	84.05								
15.0	79.63	103.1								
18.0	92.28	126.7								
21.0	104.4	148.9								
24.0	112.5	162.7								
27.0	115.3	161.1								
30.0	107.7	143.2								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

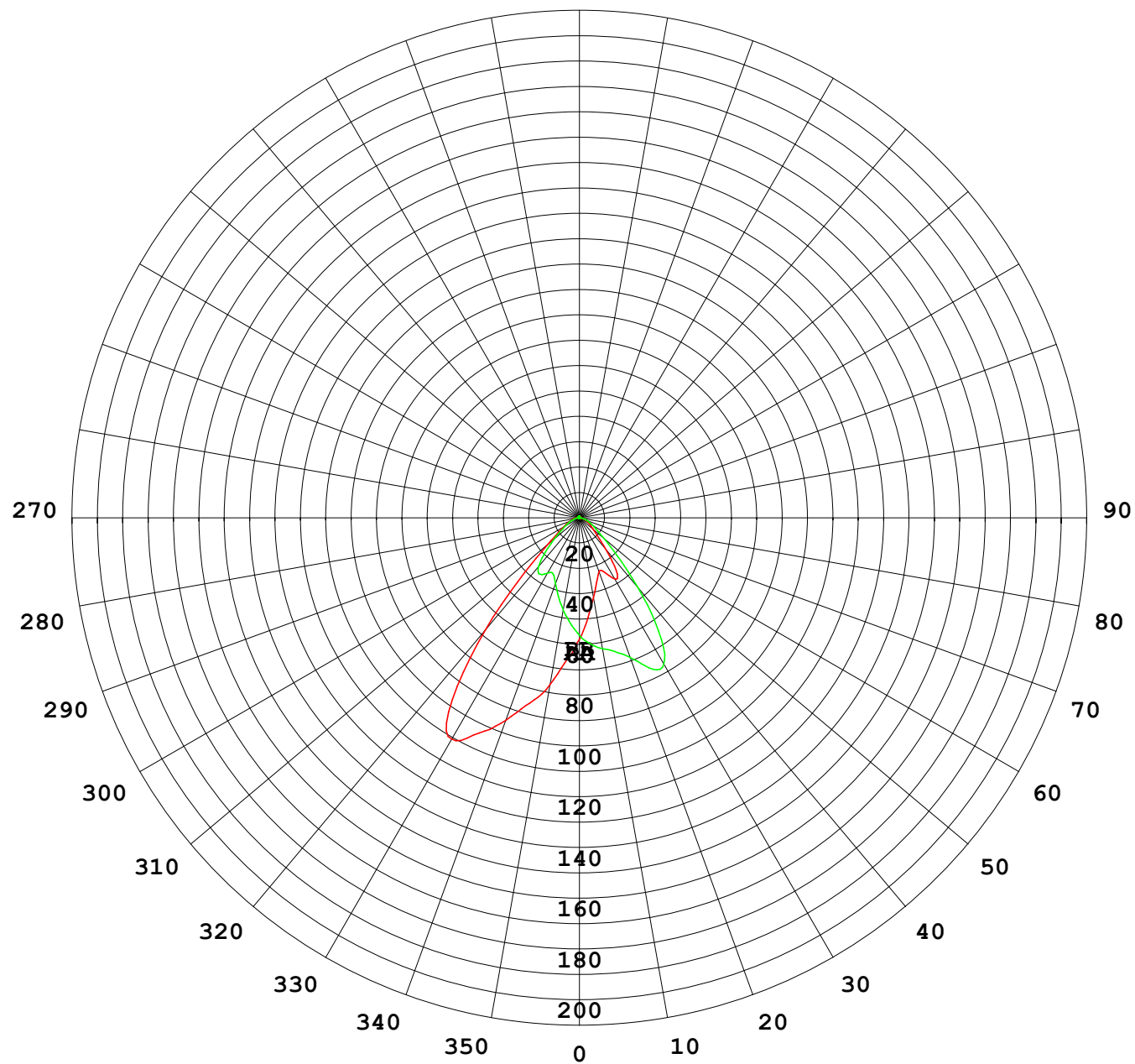
Photometric Data Table [cd]

33.0	93.45	118.6
36.0	78.08	94.18
39.0	64.59	75.69
42.0	52.87	60.71
45.0	41.63	46.75
48.0	30.62	33.42
51.0	21.87	22.94
54.0	15.73	16.08
57.0	11.72	11.72
60.0	9.043	8.862
63.0	7.125	6.986
66.0	5.685	5.643
69.0	4.595	4.611
72.0	3.655	3.752
75.0	2.857	3.043
78.0	2.164	2.404
81.0	1.541	1.841
84.0	1.008	1.328
87.0	0.5567	0.8758
90.0	0.2304	0.5235
93.0	0.1005	0.2568
96.0	0.1065	0.1510
99.0	0.1115	0.1363
102.0	0.1146	0.1369
105.0	0.1307	0.1376
108.0	0.1408	0.1383
111.0	0.1559	0.1389
114.0	0.1709	0.1396
117.0	0.1860	0.1402
120.0	0.2011	0.1507
123.0	0.2212	0.1757
126.0	0.2363	0.1976
129.0	0.2614	0.2077
132.0	0.2915	0.2261
135.0	0.3118	0.2662
138.0	0.3369	0.2764
141.0	0.3720	0.3064
144.0	0.4022	0.3516
147.0	0.4424	0.3668
150.0	0.4876	0.4269
153.0	0.5278	0.4522
156.0	0.5681	0.5175
159.0	0.6083	0.5527
162.0	0.6485	0.5880
165.0	0.6786	0.6381
168.0	0.7087	0.6783
171.0	0.7388	0.6935
174.0	0.7539	0.7086
177.0	0.7589	0.7386
180.0	0.7589	0.7639

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

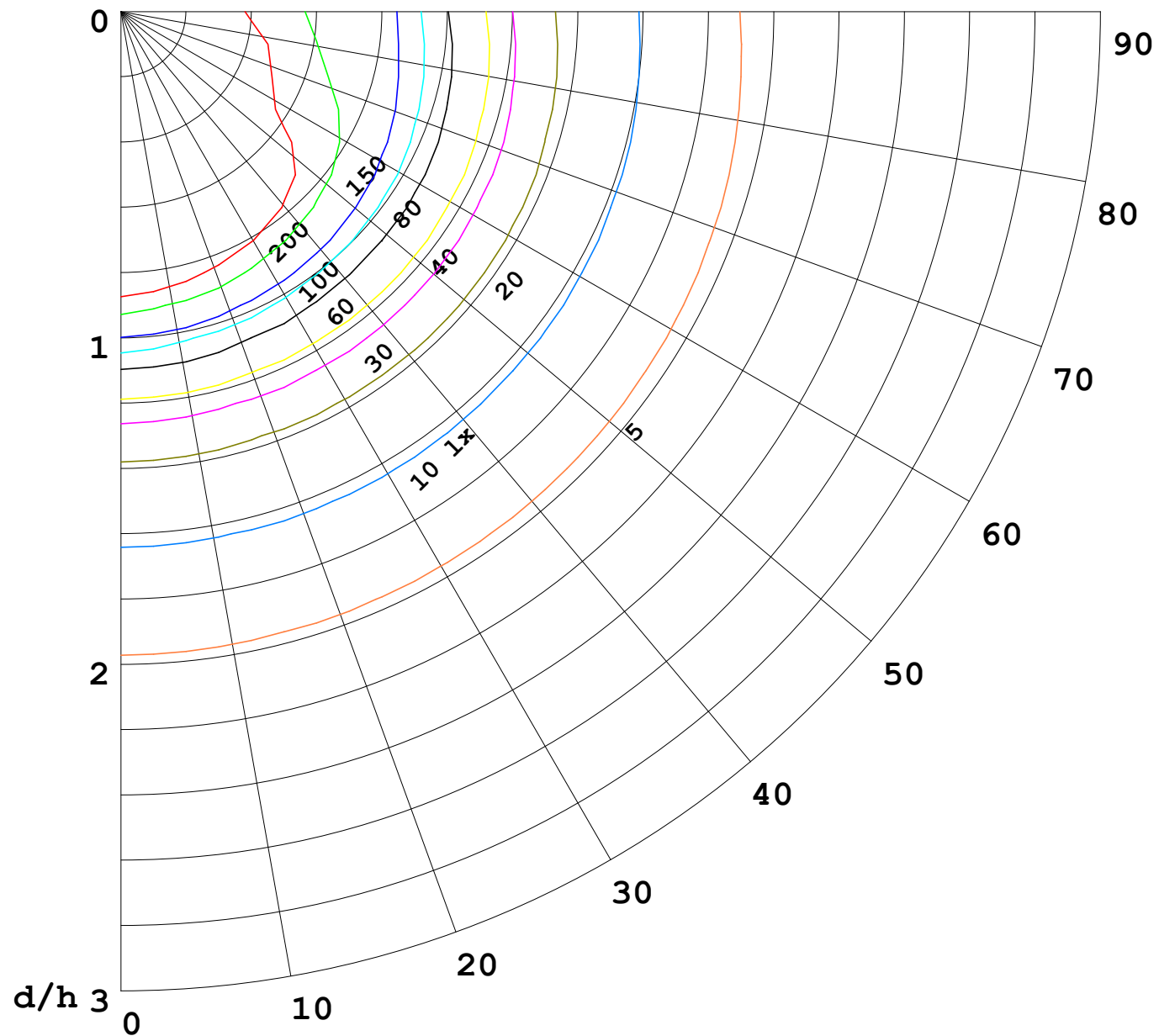
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

