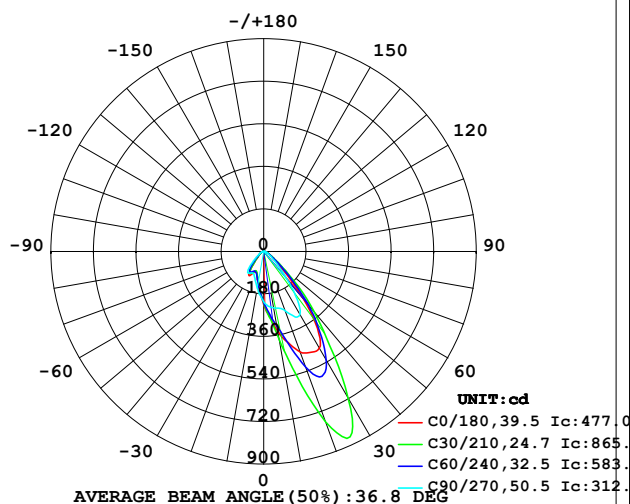


LUMINAIRE PHOTOMETRIC TEST REPORT

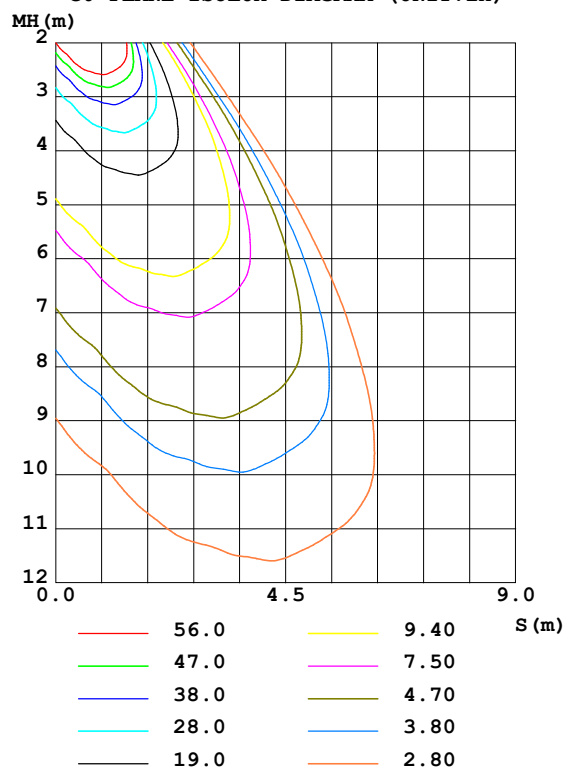
Test:U:24.00V I:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.20 lm/W			
MODEL	3535	I _{max} (cd)	865.9	S/MH (C0/180)	0.46
NOMINAL POWER(W)	23	LOR(%)	100.0	S/MH (C90/270)	0.64
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	498.57	η UP,DN(C0-180)	1.6,65.9
NOMINAL FLUX(lm)	498.56	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,31.1
LAMPS INSIDE	1	η up (%)	3.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down (%)	97.0	CIBSE SHR MAX	0.70

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	340.9	347.9	242.6	166.7	137.7	133.2	158.8	226.6	0- 10	20.65	20.65	4.14, 4.14
20	453.6	643.8	267.6	129.4	92.22	93.43	114.8	205.3	10- 20	66.97	87.62	17.6, 17.6
30	471.8	621.6	308.0	155.7	117.4	103.7	105.4	201.1	20- 30	124.4	212.0	42.5, 42.5
40	263.8	312.5	157.6	89.54	63.52	75.34	103.2	163.0	30- 40	135.2	347.2	69.6, 69.6
50	69.64	98.23	56.39	36.16	27.37	31.95	44.46	57.14	40- 50	74.09	421.3	84.5, 84.5
60	28.68	34.42	26.20	19.06	16.56	18.08	21.06	25.59	50- 60	31.78	453.1	90.9, 90.9
70	15.58	16.60	13.54	10.23	9.225	9.610	11.27	14.11	60- 70	17.45	470.5	94.4, 94.4
80	8.264	8.035	5.623	4.225	3.554	3.580	4.312	6.638	70- 80	9.307	479.8	96.2, 96.2
90	3.497	2.953	1.714	2.149	1.628	1.468	0.7338	1.752	80- 90	3.726	483.5	97, 97
100	2.121	2.101	1.925	2.189	1.956	1.827	1.070	0.8557	90-100	1.916	485.5	97.4, 97.4
110	2.131	2.116	2.036	2.350	2.513	2.412	1.522	1.056	100-110	1.980	487.4	97.8, 97.8
120	2.152	2.127	2.151	2.621	3.016	2.857	2.040	1.382	110-120	2.125	489.6	98.2, 98.2
130	2.221	2.174	2.327	2.978	3.337	3.176	2.507	1.789	120-130	2.165	491.7	98.6, 98.6
140	2.422	2.322	2.594	3.285	3.538	3.365	2.839	2.269	130-140	2.080	493.8	99, 99
150	2.809	2.664	2.996	3.442	3.619	3.437	3.025	2.714	140-150	1.850	495.7	99.4, 99.4
160	3.477	3.292	3.488	3.568	3.865	3.629	3.277	3.126	150-160	1.498	497.2	99.7, 99.7
170	4.171	3.983	3.920	3.655	4.413	4.161	3.683	3.500	160-170	1.035	498.2	99.9, 99.9
180	4.548	4.390	4.091	3.732	4.543	4.392	4.056	3.742	170-180	0.3829	498.6	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 392.59 lm

%lum = 78.7%

%lamp = 78.7%

Conical surface Flux(120deg): 453.05 lm

%lum = 90.9%

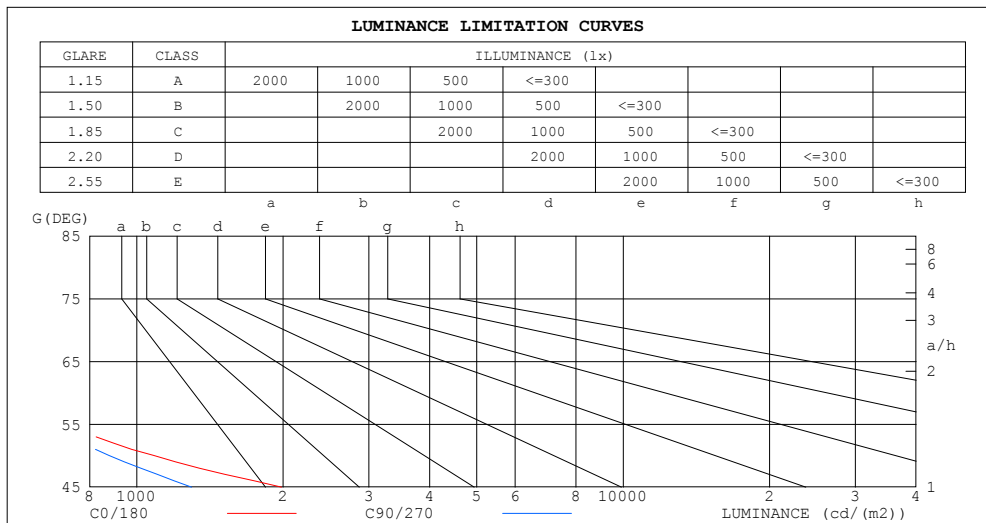
%lamp = 90.9%

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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	641	336
80	476	324
75	446	355
70	456	396
65	497	448
60	574	524
55	724	654
50	1083	877
45	1983	1297

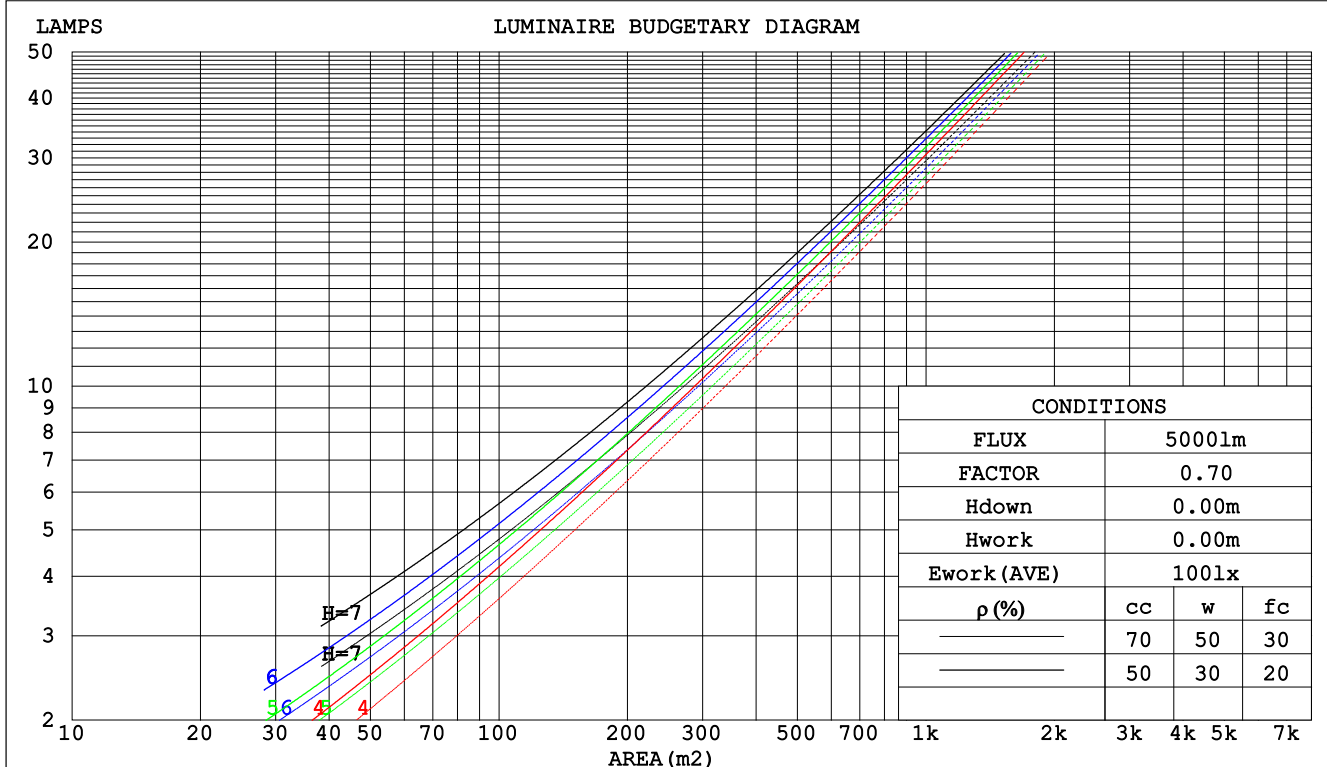
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.07	1.04	1.01	1.05	1.02	.99	.90	.98	.95	.96	.94	.92	.92	.90	.89	.87
2.0	.97	.92	.87	.95	.90	.86	.91	.87	.84	.87	.84	.81	.84	.81	.79	.77
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.72	.77	.74	.71	.69
4.0	.80	.73	.67	.78	.72	.67	.76	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.73	.65	.60	.72	.65	.59	.69	.63	.59	.67	.62	.58	.65	.61	.57	.55
6.0	.67	.59	.54	.66	.59	.53	.64	.57	.53	.62	.56	.52	.60	.55	.51	.50
7.0	.61	.54	.48	.60	.53	.48	.59	.52	.48	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.56	.49	.44	.54	.48	.43	.53	.47	.43	.51	.46	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.50	.44	.40	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.45	.39	.36	.34



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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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	.234	.133	.042	.226	.129	.041	.211	.121	.039	.198	.114	.037	.185	.107	.035		
2.0	.223	.122	.038	.217	.119	.037	.204	.113	.035	.192	.108	.034	.182	.103	.032		
3.0	.212	.113	.034	.206	.110	.033	.195	.105	.032	.184	.101	.031	.175	.097	.030		
4.0	.200	.104	.031	.195	.102	.030	.185	.098	.029	.176	.094	.028	.167	.091	.028		
5.0	.189	.096	.028	.184	.095	.028	.175	.091	.027	.167	.088	.026	.160	.085	.026		
6.0	.179	.089	.026	.174	.088	.025	.167	.085	.025	.159	.083	.024	.152	.080	.024		
7.0	.169	.084	.024	.165	.082	.023	.158	.080	.023	.152	.078	.023	.145	.076	.022		
8.0	.160	.078	.022	.157	.077	.022	.151	.075	.021	.145	.073	.021	.139	.071	.021		
9.0	.152	.074	.021	.149	.073	.020	.143	.071	.020	.138	.069	.020	.133	.067	.019		
10.0	.145	.069	.019	.142	.069	.019	.137	.067	.019	.132	.065	.019	.127	.064	.018		

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	.213	.213	.213	.182	.182	.182	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.198	.180	.164	.170	.154	.141	.116	.106	.097	.067	.061	.057	.021	.020	.018	
2.0	.186	.156	.130	.160	.134	.112	.109	.093	.078	.063	.054	.046	.020	.017	.015	
3.0	.177	.137	.106	.151	.118	.092	.104	.082	.064	.060	.048	.038	.019	.016	.012	
4.0	.168	.123	.089	.144	.107	.077	.099	.074	.055	.057	.044	.032	.018	.014	.011	
5.0	.161	.113	.077	.138	.097	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
6.0	.154	.104	.068	.132	.090	.059	.091	.063	.042	.053	.037	.025	.017	.012	.008	
7.0	.148	.097	.061	.127	.084	.053	.088	.059	.038	.051	.035	.022	.017	.011	.007	
8.0	.142	.091	.056	.123	.079	.049	.085	.055	.034	.049	.033	.021	.016	.011	.007	
9.0	.137	.086	.052	.118	.075	.045	.082	.053	.032	.048	.031	.019	.015	.010	.006	
10.0	.132	.082	.048	.114	.071	.042	.079	.050	.030	.046	.030	.018	.015	.010	.006	

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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	17.2	18.4	17.5	18.7	18.9	15.9	17.1	16.2	17.3	17.6	
	3H	17.2	18.3	17.6	18.6	18.9	16.0	17.1	16.3	17.3	17.6
	4H	17.3	18.3	17.6	18.6	18.9	16.0	17.0	16.3	17.3	17.6
	6H	17.3	18.3	17.7	18.6	18.9	16.0	17.0	16.4	17.3	17.6
	8H	17.3	18.3	17.7	18.6	18.9	16.0	16.9	16.4	17.3	17.6
	12H	17.4	18.2	17.7	18.6	18.9	16.0	16.9	16.4	17.2	17.6
4H	2H	17.1	18.1	17.4	18.4	18.7	15.8	16.9	16.2	17.2	17.5
	3H	17.2	18.1	17.6	18.4	18.8	16.0	16.9	16.4	17.3	17.6
	4H	17.3	18.1	17.7	18.5	18.8	16.1	16.9	16.5	17.3	17.7
	6H	17.4	18.1	17.8	18.5	18.9	16.2	16.9	16.7	17.3	17.8
	8H	17.5	18.1	17.9	18.6	19.0	16.3	16.9	16.7	17.3	17.8
	12H	17.6	18.2	18.0	18.6	19.1	16.3	16.9	16.8	17.3	17.8
8H	4H	17.3	17.9	17.7	18.3	18.8	16.1	16.8	16.6	17.2	17.7
	6H	17.5	18.0	17.9	18.5	18.9	16.3	16.9	16.8	17.3	17.8
	8H	17.6	18.1	18.1	18.6	19.1	16.4	16.9	16.9	17.4	17.9
	12H	17.8	18.2	18.3	18.7	19.2	16.5	16.9	17.0	17.4	18.0
12H	4H	17.2	17.8	17.7	18.3	18.7	16.1	16.7	16.6	17.2	17.6
	6H	17.5	17.9	18.0	18.4	18.9	16.3	16.8	16.9	17.3	17.8
	8H	17.6	18.0	18.2	18.5	19.1	16.5	16.9	17.0	17.4	17.9
Variations with the observer position at spacings:											
S = 1.0H	+ 1.7 / - 3.0					+ 2.1 / - 2.7					
1.5H	+ 2.7 / - 3.0					+ 2.4 / - 2.7					
2.0H	+ 3.1 / - 2.0					+ 2.5 / - 1.8					

CIE Pub.117, 498.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

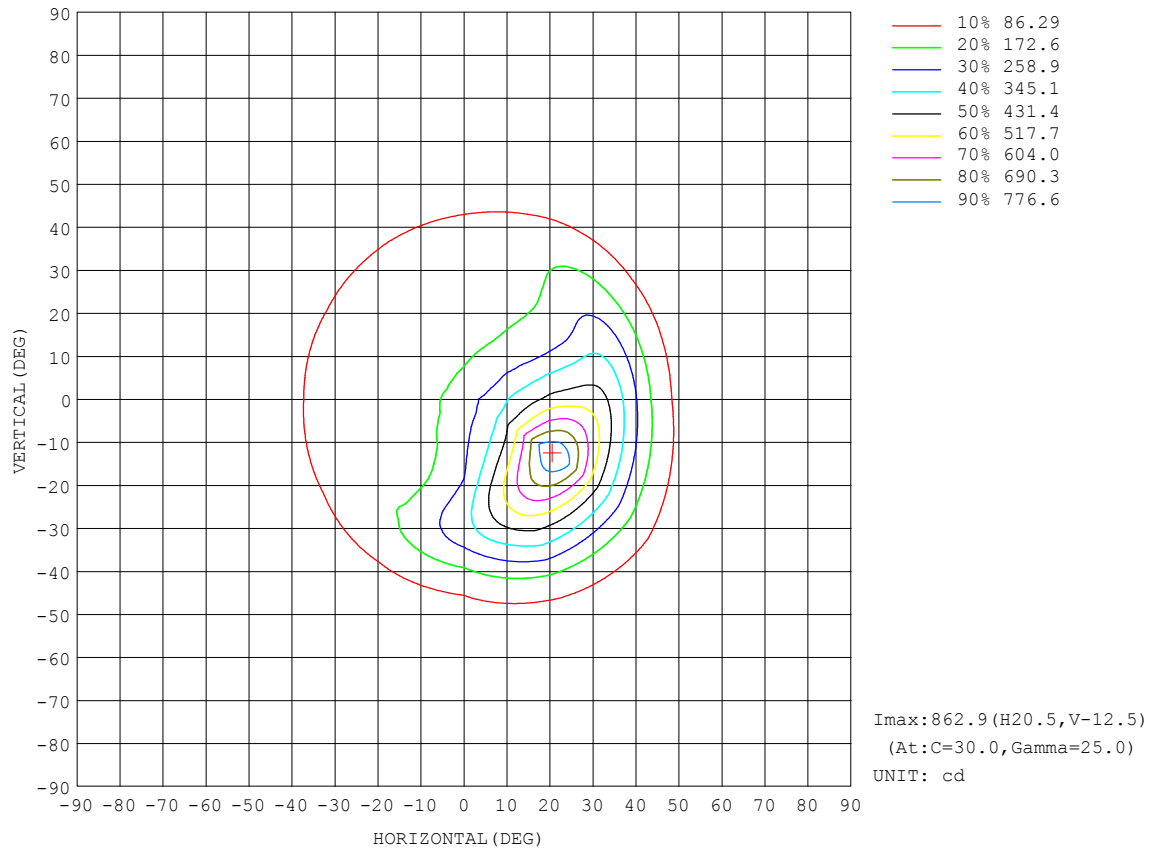
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	58	72	63	58	71	63	58	53
0.80	82	73	68	81	73	68	79	72	67	62
1.00	88	80	75	87	80	75	85	80	74	68
1.25	94	86	81	92	86	81	90	84	80	74
1.50	98	91	86	96	90	85	93	88	84	78
2.00	102	96	92	100	95	91	97	93	89	82
2.50	105	99	95	103	98	94	99	95	92	84
3.00	107	102	98	105	101	97	101	97	94	86
4.00	110	106	102	107	104	101	103	100	98	89
5.00	111	108	105	109	106	103	104	102	100	91
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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

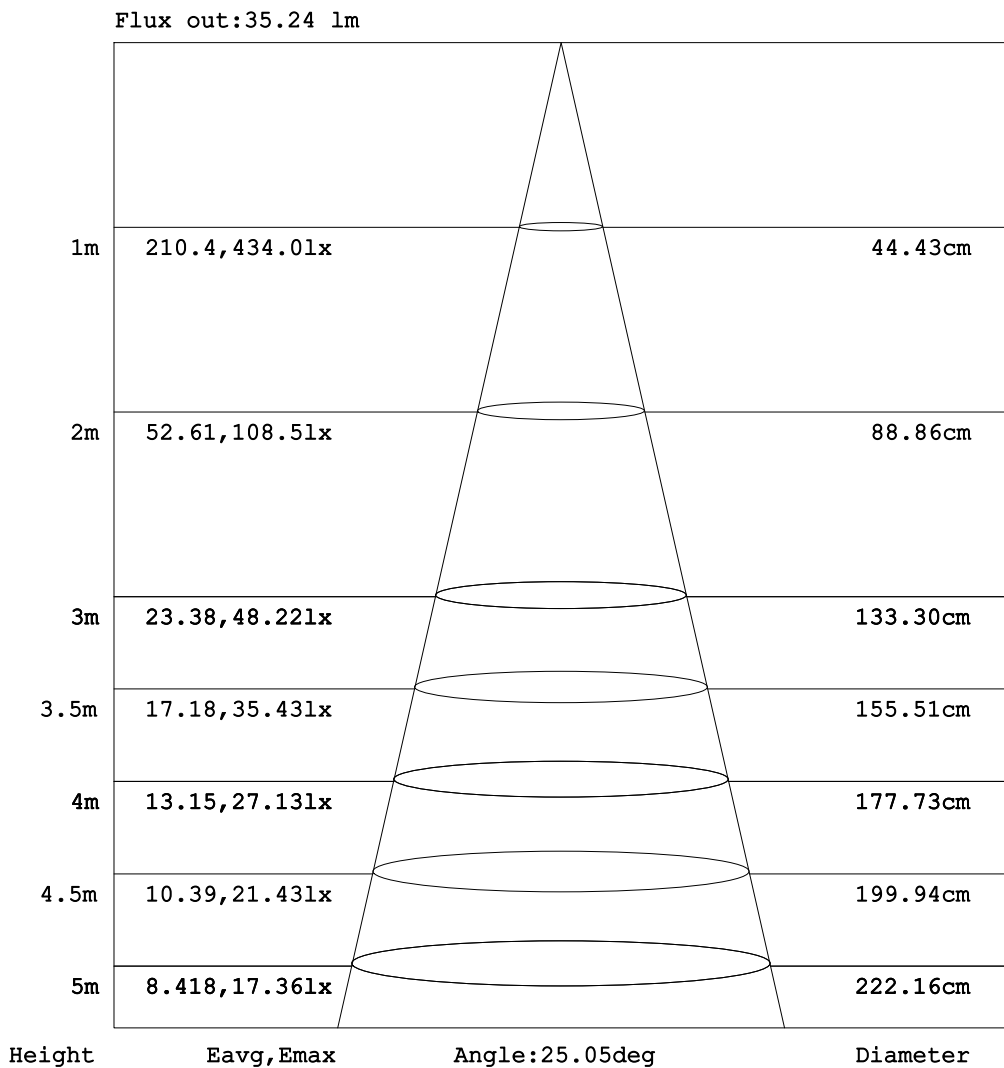


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



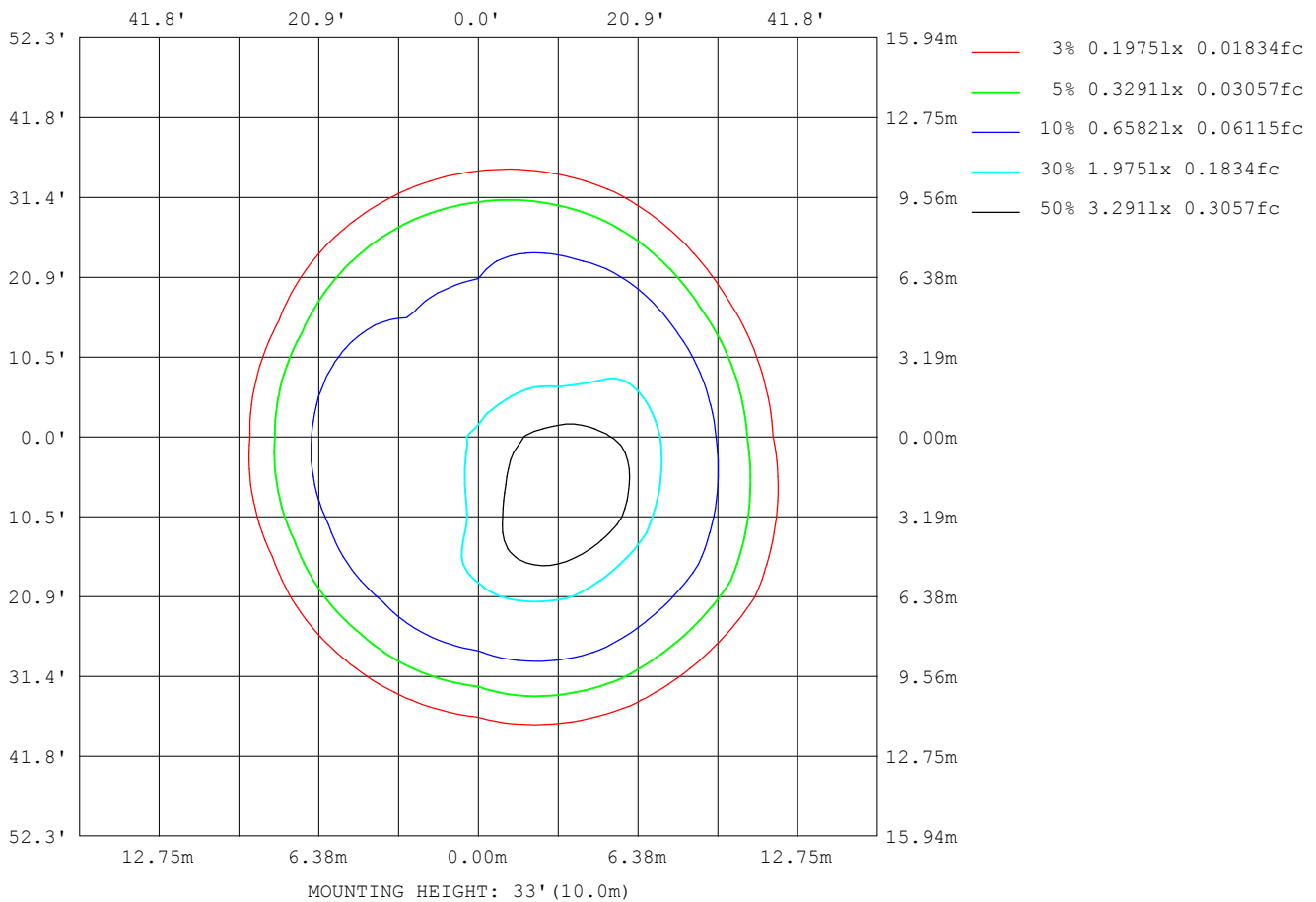
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

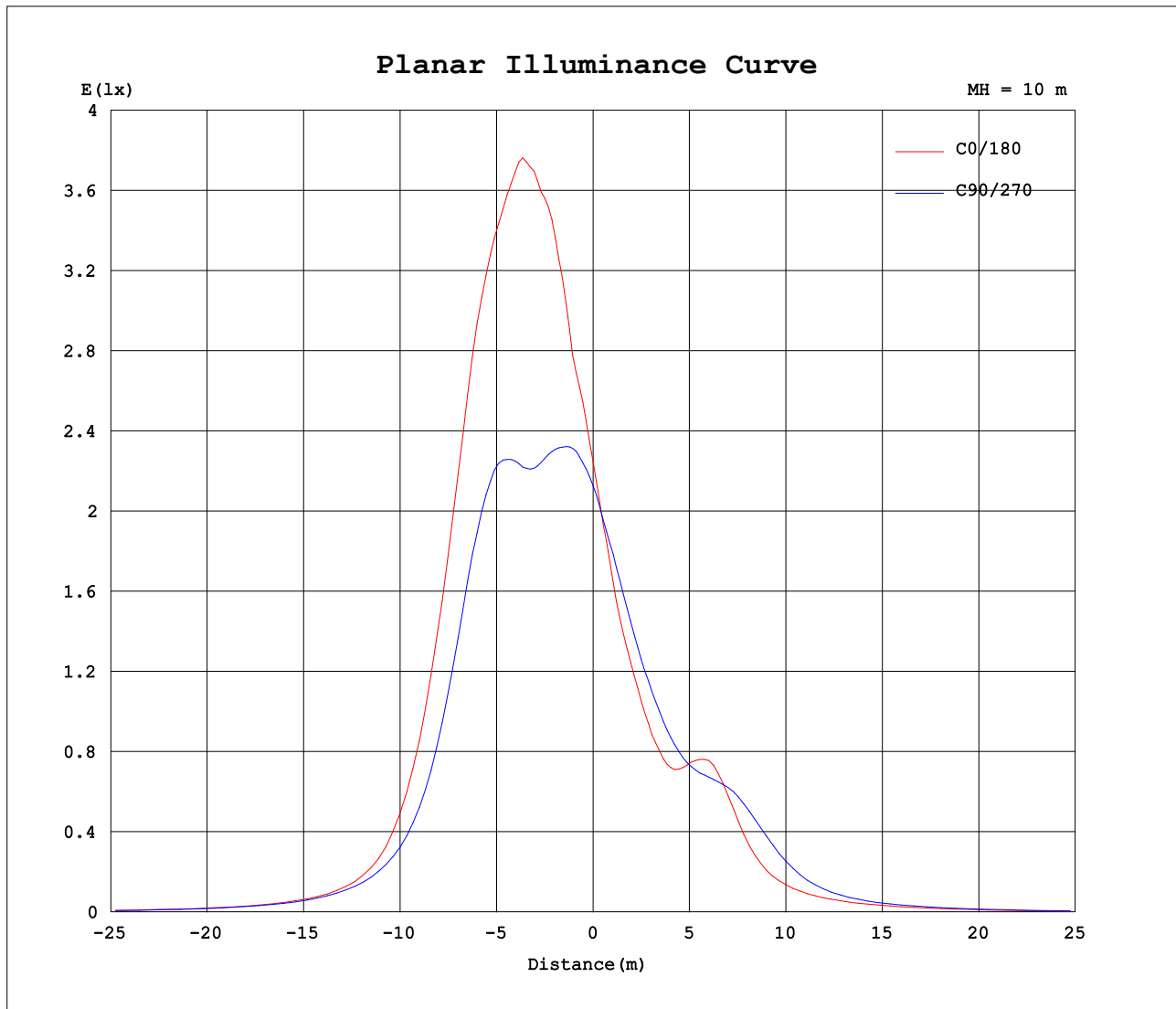
AvgL	cd/m2
L_0~180 (65) av	399
L_0~180 (75) av	342
L_0~180 (85) av	433
L_90~270 (65) av	408
L_90~270 (75) av	323
L_90~270 (85) av	278
L_45 (65) av	417
L_45 (75) av	339
L_45 (85) av	383

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:0.1700A P:4.080W PF:1.000 Freq:0Hz Lamp Flux:498.56x1 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	225	219	215	213	213	217	225	219	215	213	213	217						
5	272	277	261	233	203	183	177	169	174	186	211	242						
10	341	377	319	243	183	150	138	130	137	159	196	257						
15	398	549	404	249	162	125	111	105	111	134	178	260						
20	454	767	521	268	152	107	92.2	90.8	96.1	115	163	248						
25	471	866	583	303	166	113	97.0	91.9	92.5	104	146	244						
30	472	714	529	308	176	135	117	107	100	105	142	260						
35	397	490	415	248	153	117	106	103	104	113	151	260						
40	264	332	293	158	104	75.1	63.5	65.6	85.1	103	135	191						
45	140	202	168	91.7	65.7	45.3	38.9	40.4	54.4	71.9	92.3	106						
50	69.6	108	88.8	56.4	41.7	30.6	27.4	29.2	34.7	44.5	55.5	58.8						
55	41.5	57.6	51.4	37.5	28.4	22.8	21.1	22.8	24.6	29.2	35.6	37.1						
60	28.7	35.7	33.1	26.2	20.4	17.7	16.6	17.6	18.6	21.1	24.7	26.5						
65	21.0	24.0	22.8	18.9	14.9	13.5	12.7	13.1	13.9	15.6	18.2	19.9						
70	15.6	17.0	16.2	13.5	10.6	9.85	9.22	9.34	9.88	11.3	13.5	14.7						
75	11.5	12.2	11.4	9.20	7.13	6.72	6.14	6.11	6.45	7.51	9.48	10.6						
80	8.26	8.55	7.52	5.62	4.30	4.15	3.55	3.51	3.65	4.31	6.07	7.20						
85	5.58	5.65	4.49	2.93	2.44	2.60	1.96	1.94	1.74	1.91	3.27	4.34						
90	3.50	3.43	2.48	1.71	2.02	2.28	1.63	1.64	1.30	0.73	1.35	2.15						
95	2.30	2.33	2.03	1.83	2.03	2.28	1.73	1.73	1.45	0.86	0.79	0.95						
100	2.12	2.18	2.03	1.92	2.04	2.34	1.96	1.98	1.67	1.07	0.88	0.83						
105	2.12	2.18	2.04	1.99	2.08	2.43	2.22	2.29	1.94	1.29	1.01	0.85						
110	2.13	2.18	2.05	2.04	2.14	2.56	2.51	2.61	2.22	1.52	1.16	0.95						
115	2.14	2.19	2.06	2.09	2.22	2.72	2.78	2.84	2.47	1.79	1.33	1.08						
120	2.15	2.19	2.07	2.15	2.32	2.92	3.02	3.03	2.68	2.04	1.53	1.23						
125	2.19	2.19	2.09	2.23	2.46	3.14	3.19	3.19	2.88	2.28	1.75	1.40						
130	2.22	2.22	2.13	2.33	2.62	3.34	3.34	3.32	3.03	2.51	2.00	1.58						
135	2.31	2.27	2.21	2.44	2.78	3.50	3.46	3.41	3.15	2.69	2.24	1.81						
140	2.42	2.33	2.31	2.59	2.97	3.60	3.54	3.49	3.24	2.84	2.47	2.07						
145	2.57	2.46	2.46	2.77	3.14	3.61	3.59	3.53	3.30	2.95	2.66	2.33						
150	2.81	2.65	2.67	3.00	3.29	3.59	3.62	3.54	3.33	3.03	2.83	2.60						
155	3.11	2.94	2.95	3.24	3.43	3.59	3.68	3.58	3.39	3.13	2.99	2.82						
160	3.48	3.30	3.28	3.49	3.55	3.58	3.87	3.72	3.53	3.28	3.17	3.09						
165	3.84	3.70	3.61	3.72	3.66	3.58	4.15	3.99	3.78	3.48	3.34	3.31						
170	4.17	4.06	3.90	3.92	3.72	3.59	4.41	4.27	4.06	3.68	3.51	3.49						
175	4.41	4.34	4.13	4.05	3.75	3.67	4.54	4.46	4.26	3.90	3.67	3.61						
180	4.55	4.51	4.27	4.09	3.76	3.70	4.54	4.47	4.32	4.06	3.80	3.68						

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	224.7	218.6	215.4	212.7	213.2	216.5	224.7	218.6	215.4	212.7
3.0	255.4	253.0	241.8	225.0	208.2	196.3	194.7	186.6	188.6	196.7
6.0	282.4	289.7	272.5	235.2	199.1	175.1	167.0	159.1	166.4	181.4
9.0	328.2	349.3	307.7	240.8	186.9	155.9	143.8	135.6	143.4	164.3
12.0	369.4	437.5	346.9	245.5	173.8	138.6	126.3	119.0	125.7	148.2
15.0	398.4	549.4	403.7	249.1	162.3	124.8	110.7	105.5	111.3	133.9
18.0	432.0	681.1	473.7	257.0	154.2	111.9	98.10	94.45	100.4	122.0
21.0	459.8	801.6	542.1	275.0	152.6	104.9	90.75	89.64	95.05	111.7
24.0	469.3	865.4	580.9	296.2	162.1	108.9	93.60	89.84	92.04	105.1
27.0	476.1	831.0	572.9	311.9	172.0	124.5	105.9	98.94	94.24	102.6
30.0	471.8	713.7	529.5	308.0	176.3	135.2	117.4	107.3	100.1	105.4
33.0	438.0	581.5	463.0	280.4	166.9	129.3	117.2	110.9	103.6	110.2
36.0	371.8	452.6	391.0	229.9	143.2	108.6	97.85	96.30	102.3	113.7
39.0	291.4	360.8	318.1	175.3	113.4	83.27	70.84	73.10	90.62	107.4
42.0	208.6	277.3	240.5	127.6	86.89	61.19	50.79	53.05	72.71	92.40
45.0	140.2	202.3	168.3	91.72	65.69	45.33	38.86	40.38	54.43	71.90
48.0	90.02	137.7	114.3	68.24	49.84	35.06	31.05	32.53	40.91	53.56
51.0	61.47	94.70	78.72	51.74	38.42	28.68	26.04	27.73	32.05	40.33
54.0	45.20	64.48	56.68	40.49	30.54	24.08	22.09	23.90	26.15	31.66
57.0	35.31	47.65	42.64	32.24	24.72	20.63	19.07	20.49	21.98	25.38
60.0	28.68	35.74	33.11	26.20	20.41	17.72	16.56	17.55	18.60	21.06
63.0	23.72	27.84	26.35	21.65	16.95	15.06	14.32	14.84	15.65	17.53
66.0	19.79	22.31	21.29	17.65	13.96	12.71	11.93	12.31	12.99	14.60
69.0	16.57	18.12	17.37	14.54	11.40	10.51	9.883	10.03	10.64	12.05
72.0	13.85	14.87	14.15	11.74	9.161	8.503	7.928	8.002	8.420	9.627
75.0	11.55	12.24	11.35	9.197	7.134	6.720	6.141	6.107	6.447	7.510
78.0	9.486	9.935	8.944	7.005	5.339	5.087	4.503	4.447	4.678	5.559
81.0	7.670	7.930	6.847	4.986	3.844	3.731	3.142	3.089	3.186	3.788
84.0	6.072	6.167	5.028	3.418	2.693	2.807	2.178	2.143	2.032	2.306
87.0	4.659	4.651	3.538	2.049	2.107	2.327	1.663	1.664	1.336	1.159
90.0	3.497	3.430	2.476	1.714	2.017	2.281	1.628	1.639	1.297	0.7338
93.0	2.636	2.551	2.026	1.794	2.023	2.272	1.669	1.653	1.377	0.7988
96.0	2.207	2.294	2.026	1.850	2.028	2.287	1.775	1.774	1.498	0.9191
99.0	2.126	2.171	2.026	1.910	2.033	2.332	1.905	1.939	1.619	1.025
102.0	2.121	2.177	2.025	1.950	2.045	2.372	2.051	2.100	1.775	1.161
105.0	2.121	2.179	2.038	1.990	2.075	2.433	2.217	2.291	1.941	1.291
108.0	2.127	2.181	2.044	2.020	2.111	2.513	2.393	2.477	2.111	1.432
111.0	2.133	2.183	2.050	2.051	2.146	2.594	2.564	2.648	2.267	1.573
114.0	2.138	2.185	2.055	2.076	2.206	2.689	2.730	2.794	2.423	1.728
117.0	2.143	2.187	2.061	2.116	2.276	2.800	2.875	2.940	2.564	1.879
120.0	2.152	2.189	2.066	2.151	2.322	2.920	3.016	3.030	2.684	2.040
123.0	2.170	2.192	2.076	2.201	2.397	3.051	3.126	3.131	2.805	2.186
126.0	2.206	2.196	2.091	2.247	2.483	3.177	3.232	3.236	2.910	2.332
129.0	2.216	2.211	2.121	2.307	2.583	3.302	3.312	3.292	2.996	2.462
132.0	2.261	2.236	2.161	2.367	2.678	3.408	3.393	3.357	3.081	2.583
135.0	2.307	2.267	2.206	2.443	2.784	3.498	3.463	3.407	3.151	2.694
138.0	2.367	2.307	2.276	2.533	2.889	3.574	3.513	3.453	3.207	2.789
141.0	2.442	2.357	2.337	2.629	3.015	3.604	3.553	3.493	3.257	2.869
144.0	2.533	2.428	2.432	2.739	3.111	3.611	3.580	3.523	3.292	2.945
147.0	2.658	2.528	2.543	2.865	3.206	3.618	3.601	3.533	3.317	2.980
150.0	2.809	2.654	2.673	2.996	3.292	3.593	3.619	3.542	3.332	3.025
153.0	2.990	2.815	2.844	3.152	3.372	3.587	3.649	3.553	3.362	3.096
156.0	3.175	3.011	3.015	3.297	3.447	3.585	3.704	3.583	3.408	3.171
159.0	3.392	3.222	3.221	3.448	3.518	3.583	3.820	3.679	3.493	3.251
162.0	3.618	3.463	3.412	3.589	3.588	3.581	3.976	3.819	3.619	3.347
165.0	3.844	3.699	3.613	3.724	3.658	3.579	4.152	3.990	3.785	3.482
168.0	4.055	3.921	3.799	3.840	3.684	3.583	4.318	4.161	3.951	3.603
171.0	4.226	4.122	3.965	3.945	3.724	3.609	4.448	4.312	4.107	3.734
174.0	4.377	4.287	4.096	4.031	3.747	3.649	4.538	4.412	4.227	3.869
177.0	4.468	4.423	4.231	4.076	3.754	3.704	4.543	4.468	4.302	3.970
180.0	4.548	4.508	4.272	4.091	3.759	3.704	4.543	4.468	4.317	4.056
G/C	300.0	330.0								
0.0	213.2	216.5								
3.0	213.3	233.7								
6.0	208.6	244.7								
9.0	199.1	252.1								
12.0	188.5	261.3								
15.0	177.7	260.0								
18.0	169.4	252.1								
21.0	158.8	245.7								
24.0	148.4	243.5								
27.0	142.1	244.6								
30.0	141.8	260.4								

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:

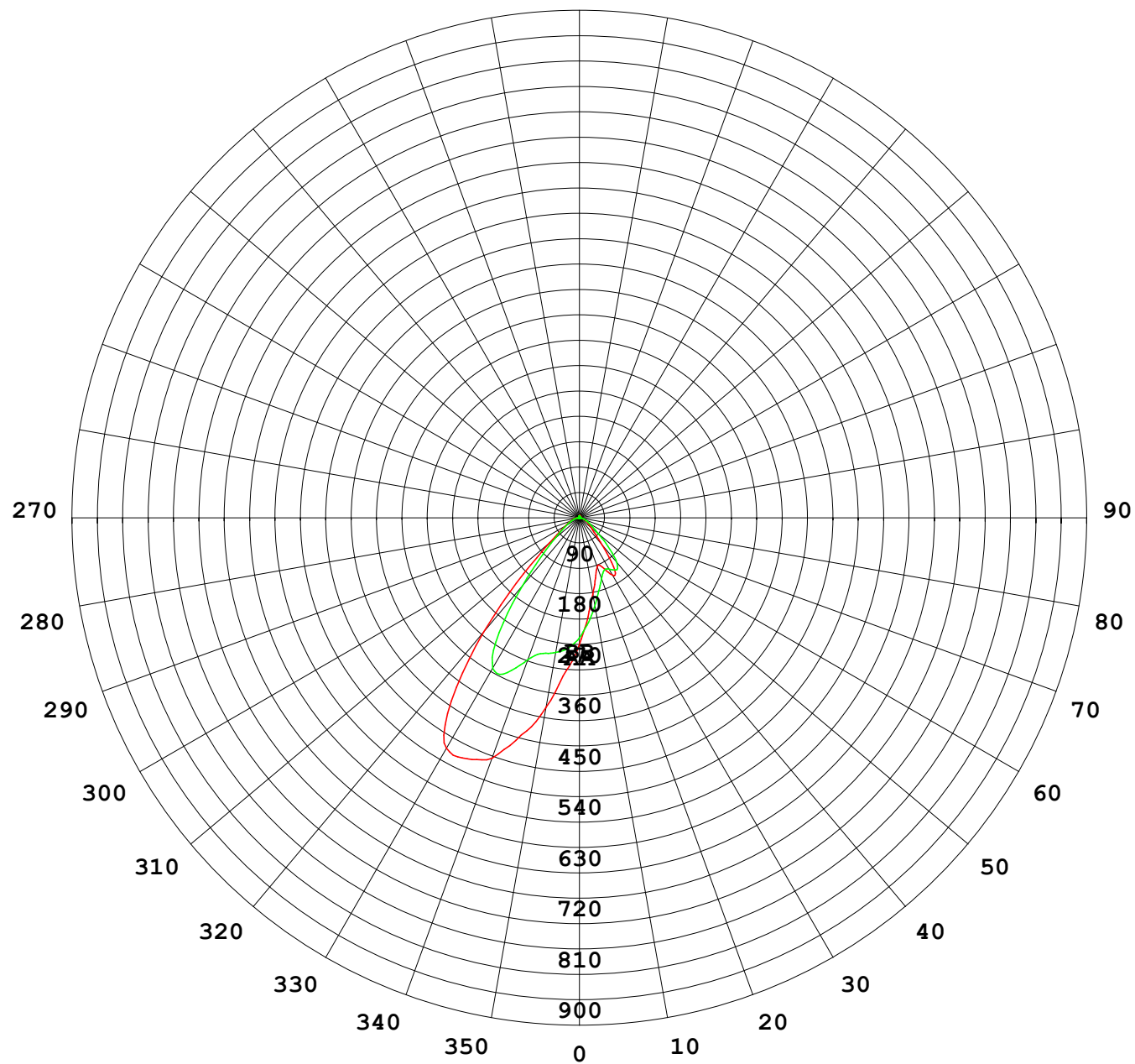
Photometric Data Table [cd]

33.0	146.6	268.2
36.0	150.8	250.3
39.0	141.7	208.3
42.0	118.5	153.3
45.0	92.28	106.3
48.0	68.44	73.41
51.0	50.53	52.89
54.0	38.69	40.36
57.0	30.13	32.21
60.0	24.71	26.47
63.0	20.55	22.30
66.0	17.18	18.76
69.0	14.38	15.66
72.0	11.80	13.02
75.0	9.476	10.60
78.0	7.366	8.444
81.0	5.466	6.573
84.0	3.773	4.870
87.0	2.368	3.367
90.0	1.354	2.149
93.0	0.7890	1.288
96.0	0.7994	0.8652
99.0	0.8597	0.8259
102.0	0.9251	0.8279
105.0	1.006	0.8542
108.0	1.091	0.9196
111.0	1.191	0.9898
114.0	1.292	1.055
117.0	1.408	1.145
120.0	1.533	1.231
123.0	1.659	1.321
126.0	1.800	1.427
129.0	1.951	1.528
132.0	2.101	1.668
135.0	2.242	1.814
138.0	2.383	1.965
141.0	2.513	2.120
144.0	2.624	2.281
147.0	2.724	2.442
150.0	2.830	2.598
153.0	2.925	2.723
156.0	3.031	2.864
159.0	3.136	3.020
162.0	3.242	3.166
165.0	3.338	3.312
168.0	3.448	3.427
171.0	3.544	3.523
174.0	3.644	3.593
177.0	3.724	3.649
180.0	3.799	3.684

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

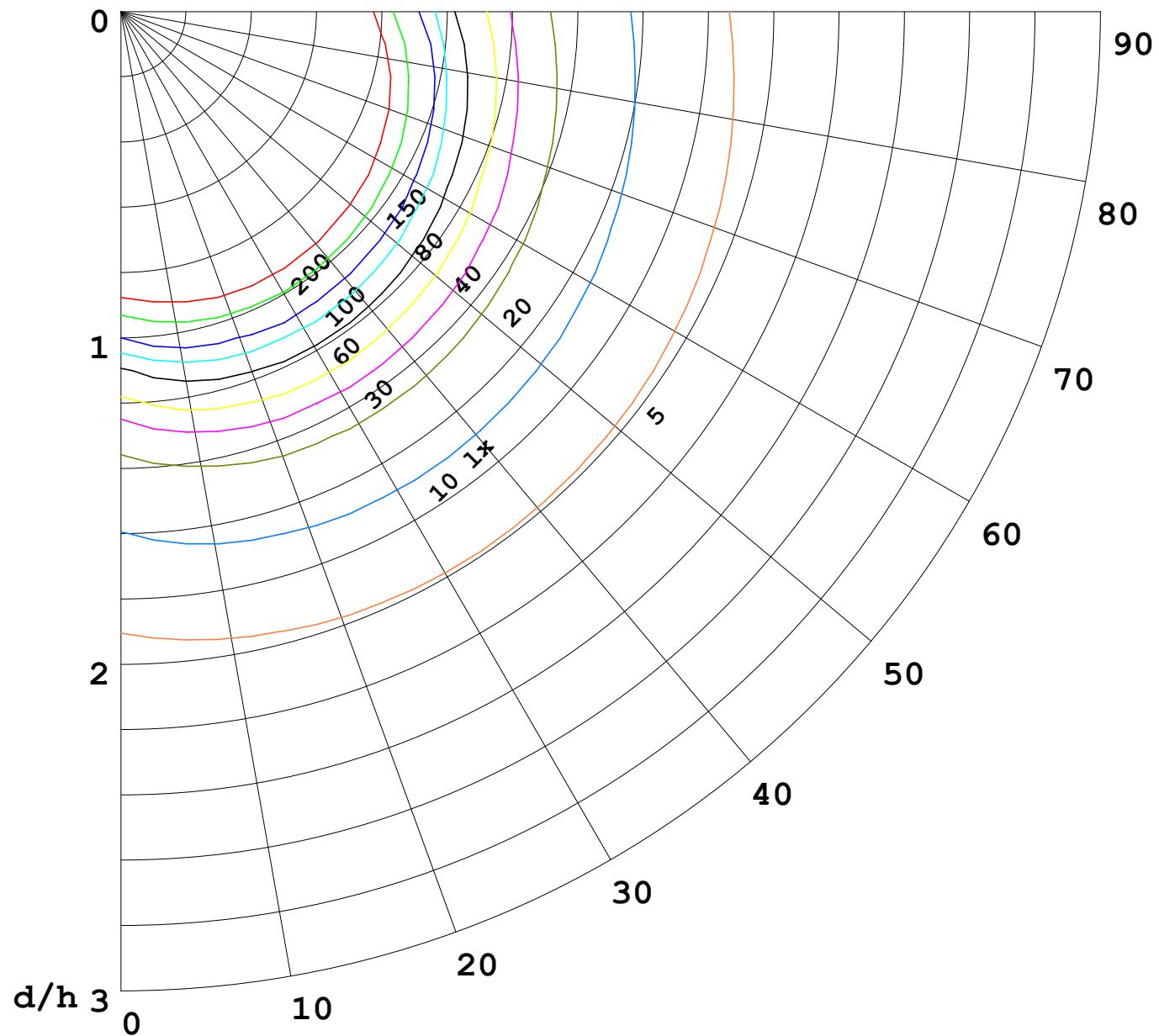
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

