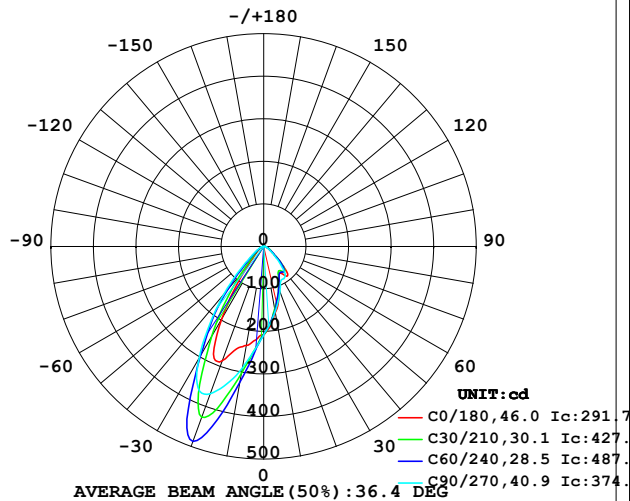


LUMINAIRE PHOTOMETRIC TEST REPORT

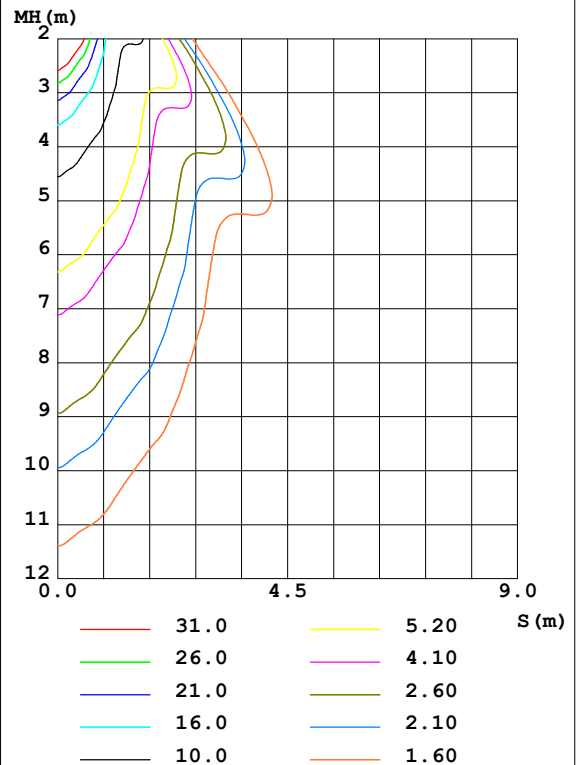
Test:U:24.00V I:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.01 lm/W
MODEL	3535	I _{max} (cd)	487.5	S/MH (C0/180)	1.03	
NOMINAL POWER (W)	23	LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	348.14	η UP, DN (C0-180)	1.8, 34.8	
NOMINAL FLUX (lm)	348.13	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 62.3	
LAMPS INSIDE	1	η up (%)	2.9	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	24	η down (%)	97.1	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	158.0	152.0	155.8	182.2	236.2	313.1	289.4	209.1	0- 10	20.08	20.08	5.77,5.77
20	108.7	103.3	112.3	158.6	286.4	457.3	368.6	176.9	10- 20	62.06	82.15	23.6,23.6
30	73.92	71.91	88.94	139.1	199.0	271.9	305.1	160.6	20- 30	91.23	173.4	49.8,49.8
40	88.65	76.21	74.17	54.99	55.24	106.6	144.8	124.8	30- 40	78.02	251.4	72.2,72.2
50	38.51	40.40	33.28	22.77	20.98	31.17	45.89	45.26	40- 50	45.40	296.8	85.3,85.3
60	17.13	18.85	15.92	12.66	11.39	13.89	18.51	17.89	50- 60	20.79	317.6	91.2,91.2
70	10.27	10.75	8.694	6.924	5.950	6.733	8.937	9.532	60- 70	11.69	329.3	94.6,94.6
80	5.457	5.225	3.746	3.029	2.193	2.306	3.165	4.334	70- 80	6.249	335.5	96.4,96.4
90	2.149	1.842	1.287	1.626	0.9278	0.7188	0.4118	1.071	80- 90	2.434	338.0	97.1,97.1
100	1.279	1.303	1.397	1.632	0.9751	0.7541	0.5175	0.5971	90-100	1.188	339.1	97.4,97.4
110	1.337	1.462	1.618	1.719	1.121	0.9022	0.6835	0.7640	100-110	1.187	340.3	97.8,97.8
120	1.603	1.827	1.975	1.902	1.317	1.098	0.9094	1.040	110-120	1.314	341.6	98.1,98.1
130	1.995	2.257	2.357	2.169	1.573	1.342	1.206	1.385	120-130	1.450	343.1	98.5,98.6
140	2.377	2.571	2.634	2.450	1.850	1.626	1.563	1.736	130-140	1.504	344.6	99,99
150	2.553	2.623	2.749	2.691	2.161	2.038	1.955	2.046	140-150	1.398	346.0	99.4,99.4
160	2.546	2.599	2.819	2.895	2.478	2.438	2.342	2.355	150-160	1.135	347.1	99.7,99.7
170	2.553	2.676	2.864	2.976	2.654	2.654	2.643	2.684	160-170	0.7483	347.9	99.9,99.9
180	2.699	2.744	2.875	2.940	2.699	2.749	2.865	2.915	170-180	0.2642	348.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 278.57 lm

%lum = 80.0%

%lamp = 80.0%

Conical surface Flux(120deg): 317.58 lm

%lum = 91.2%

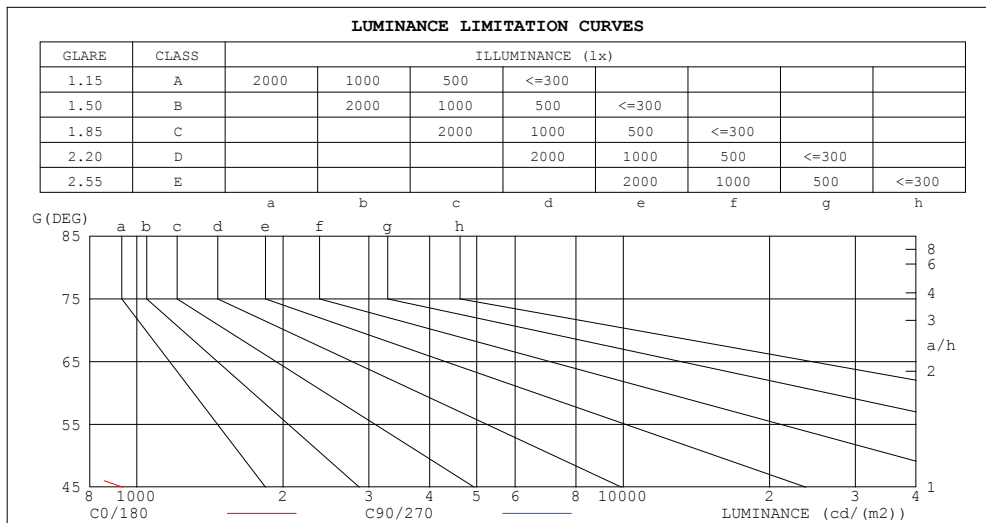
%lamp = 91.2%

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:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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	412	235
80	314	216
75	295	232
70	300	254
65	317	281
60	343	318
55	417	383
50	599	518
45	936	730

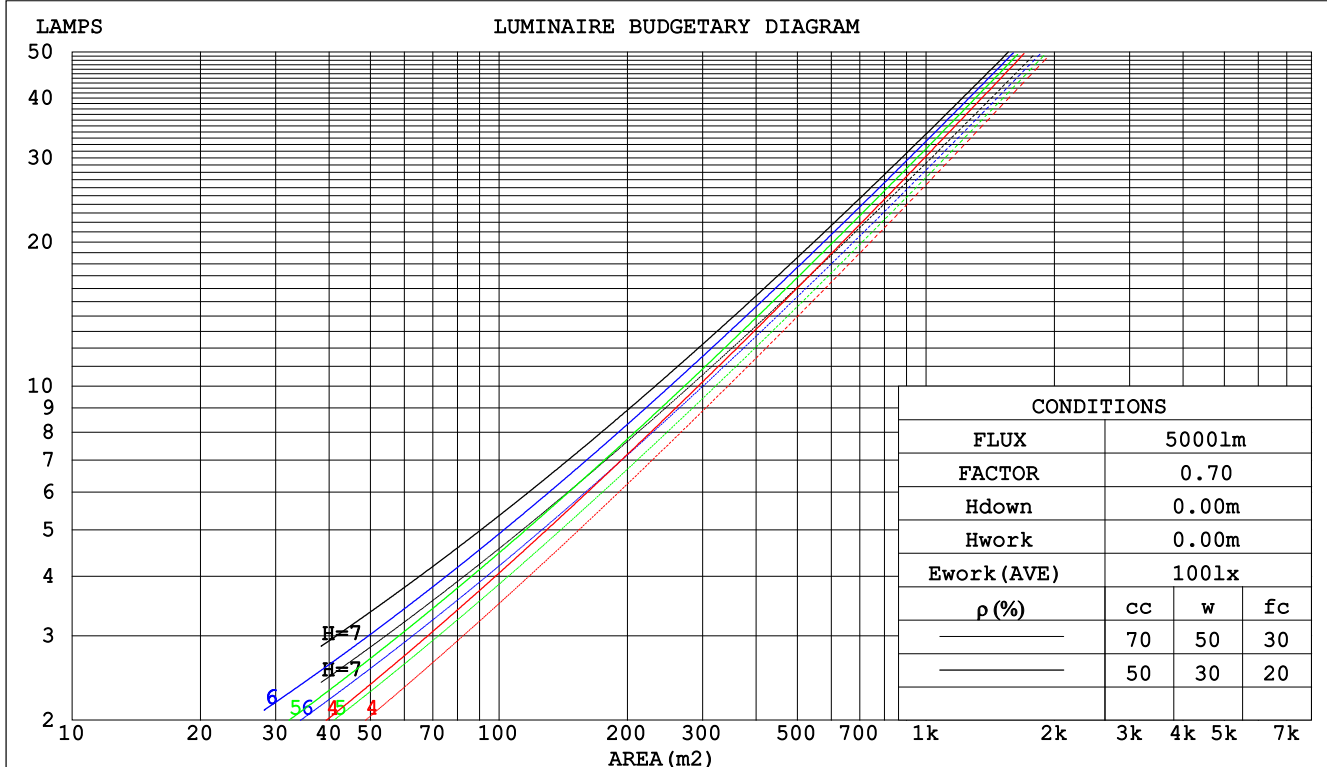
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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	1.08	1.04	1.02	1.05	1.02	.00	1.00	.98	.96	.96	.94	.93	.92	.91	.89	.87
2.0	.98	.93	.88	.96	.91	.87	.92	.88	.85	.88	.85	.83	.85	.83	.80	.78
3.0	.89	.83	.78	.87	.82	.77	.84	.79	.75	.81	.77	.74	.79	.75	.72	.70
4.0	.82	.75	.70	.80	.74	.69	.77	.72	.68	.75	.70	.67	.73	.69	.65	.64
5.0	.75	.68	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.67	.63	.60	.58
6.0	.69	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.63	.58	.54	.53
7.0	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.58	.54	.50	.48
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.46	.54	.50	.46	.44
9.0	.55	.48	.44	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.42	.41
10.0	.51	.45	.40	.51	.44	.40	.50	.44	.40	.49	.43	.40	.48	.43	.39	.38



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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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	.225	.128	.041	.218	.124	.039	.203	.117	.037	.190	.109	.035	.178	.103	.033		
2.0	.215	.118	.036	.208	.115	.035	.196	.109	.034	.184	.103	.032	.173	.098	.031		
3.0	.203	.108	.032	.197	.106	.032	.186	.101	.031	.176	.097	.030	.167	.092	.029		
4.0	.192	.100	.029	.186	.098	.029	.177	.094	.028	.168	.090	.027	.159	.087	.026		
5.0	.181	.092	.027	.176	.091	.026	.168	.087	.026	.160	.084	.025	.152	.081	.024		
6.0	.171	.086	.025	.167	.084	.024	.159	.082	.024	.152	.079	.023	.145	.077	.023		
7.0	.162	.080	.023	.158	.079	.022	.151	.077	.022	.145	.074	.022	.139	.072	.021		
8.0	.154	.075	.021	.150	.074	.021	.144	.072	.021	.138	.070	.020	.133	.068	.020		
9.0	.146	.071	.020	.143	.070	.020	.137	.068	.019	.132	.066	.019	.127	.064	.019		
10.0	.139	.067	.018	.136	.066	.018	.131	.064	.018	.126	.063	.018	.122	.061	.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	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.197	.179	.164	.169	.154	.141	.115	.106	.097	.066	.061	.057	.021	.020	.018	
2.0	.185	.155	.130	.158	.133	.112	.108	.092	.078	.062	.054	.046	.020	.017	.015	
3.0	.174	.137	.107	.149	.118	.092	.103	.082	.065	.059	.048	.038	.019	.016	.013	
4.0	.166	.123	.090	.142	.106	.078	.098	.074	.055	.057	.043	.032	.018	.014	.011	
5.0	.158	.112	.077	.135	.097	.067	.093	.067	.048	.054	.040	.028	.017	.013	.009	
6.0	.151	.103	.068	.130	.089	.059	.089	.062	.042	.052	.037	.025	.017	.012	.008	
7.0	.145	.096	.061	.124	.083	.053	.086	.058	.038	.050	.034	.023	.016	.011	.007	
8.0	.139	.090	.056	.120	.078	.049	.083	.055	.035	.048	.032	.021	.016	.011	.007	
9.0	.134	.085	.052	.115	.073	.045	.080	.052	.032	.046	.031	.019	.015	.010	.006	
10.0	.129	.080	.048	.111	.070	.042	.077	.049	.030	.045	.029	.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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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	12.0	13.1	12.3	13.4	13.6	11.6	12.7	11.9	13.0	13.2
3H	12.6	13.7	12.9	13.9	14.2	12.1	13.2	12.4	13.4	13.7
4H	12.9	13.9	13.3	14.2	14.5	12.3	13.3	12.7	13.6	13.9
6H	13.3	14.2	13.6	14.5	14.8	12.5	13.5	12.9	13.8	14.1
8H	13.4	14.3	13.8	14.6	15.0	12.6	13.5	13.0	13.8	14.1
12H	13.6	14.5	14.0	14.8	15.1	12.7	13.5	13.0	13.8	14.2
4H 2H	12.2	13.2	12.5	13.5	13.7	11.8	12.8	12.1	13.1	13.4
3H	13.0	13.9	13.4	14.2	14.6	12.6	13.4	12.9	13.7	14.1
4H	13.5	14.3	13.9	14.7	15.0	12.9	13.7	13.3	14.1	14.4
6H	14.0	14.7	14.4	15.1	15.5	13.2	13.9	13.7	14.3	14.7
8H	14.2	14.9	14.7	15.3	15.7	13.4	14.0	13.8	14.4	14.9
12H	14.5	15.1	15.0	15.5	16.0	13.5	14.1	13.9	14.5	14.9
8H 4H	13.7	14.3	14.1	14.7	15.1	13.1	13.8	13.6	14.2	14.6
6H	14.3	14.8	14.8	15.3	15.8	13.6	14.1	14.1	14.6	15.1
8H	14.7	15.1	15.2	15.6	16.1	13.8	14.3	14.3	14.7	15.3
12H	15.1	15.5	15.6	16.0	16.5	14.0	14.4	14.5	14.9	15.4
12H 4H	13.7	14.2	14.1	14.7	15.1	13.1	13.7	13.6	14.2	14.6
6H	14.4	14.8	14.9	15.3	15.8	13.7	14.1	14.2	14.6	15.1
8H	14.8	15.2	15.3	15.7	16.2	13.9	14.3	14.5	14.8	15.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.8					+ 0.9 / - 0.9				
1.5H	+ 0.5 / - 0.7					+ 0.5 / - 0.9				
2.0H	+ 1.8 / - 1.0					+ 1.6 / - 1.1				

CIE Pub.117, 348.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.7)

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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

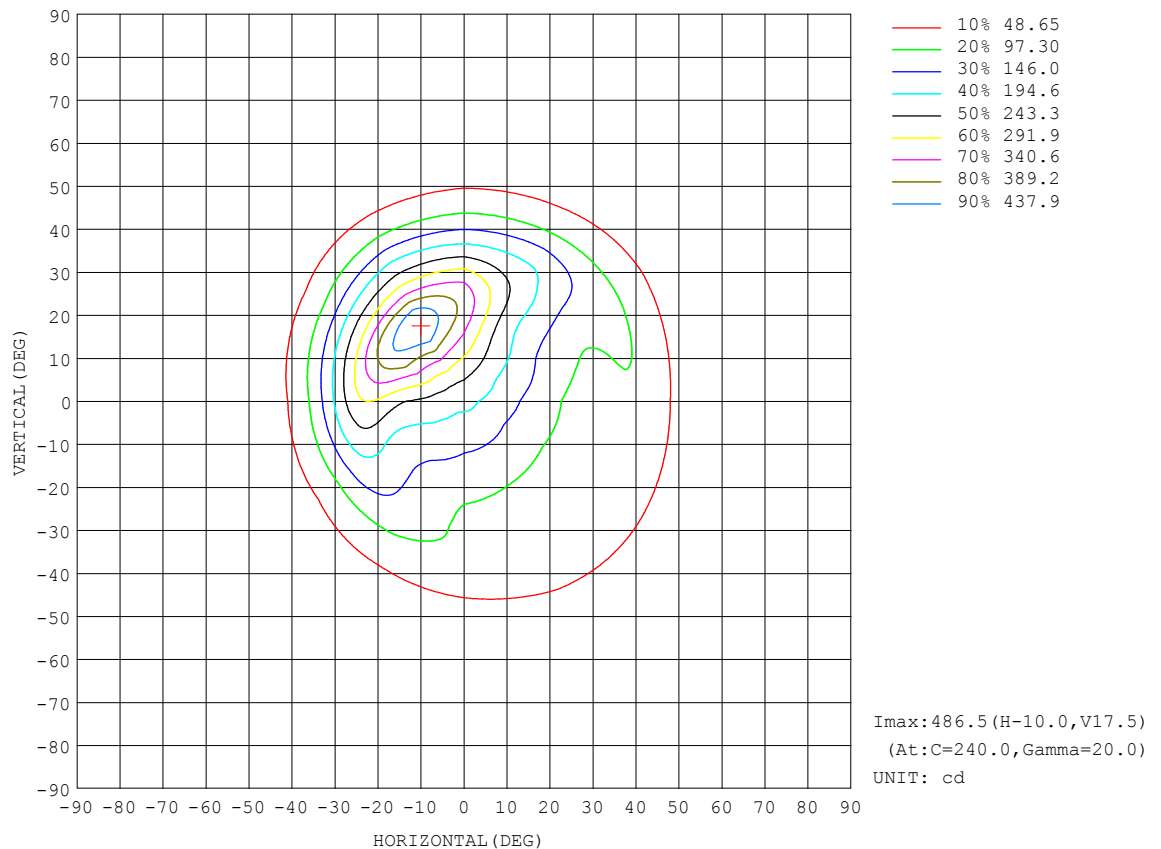
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	66	61	73	65	60	72	65	60	55
0.80	83	75	70	82	74	69	80	74	69	64
1.00	89	82	77	88	81	76	86	81	76	70
1.25	95	88	83	93	87	82	91	85	81	75
1.50	98	92	87	97	91	86	94	89	85	79
2.00	103	97	93	101	96	92	98	93	90	83
2.50	105	100	96	103	98	95	99	96	93	85
3.00	107	103	99	105	101	98	101	98	95	87
4.00	110	106	103	108	104	101	103	101	98	90
5.00	112	108	106	109	106	104	105	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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

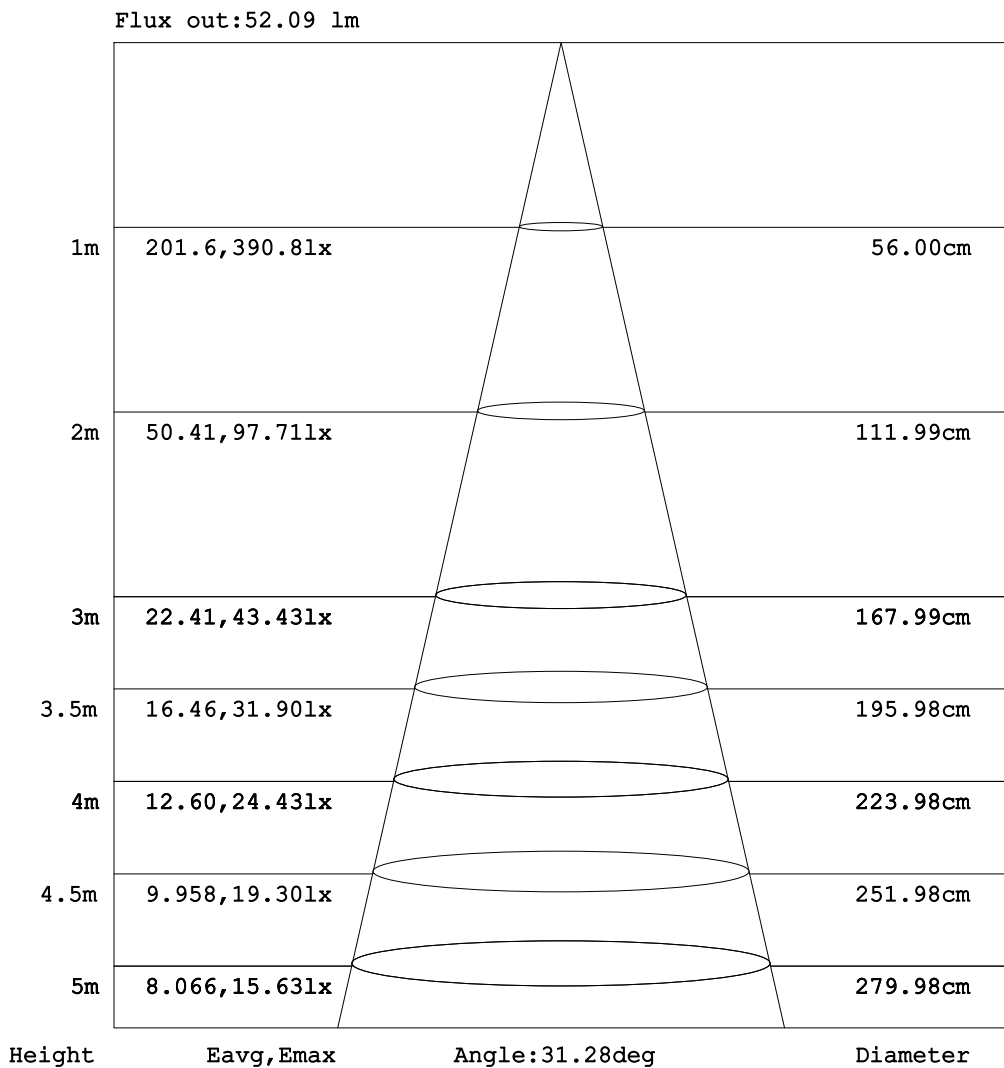


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



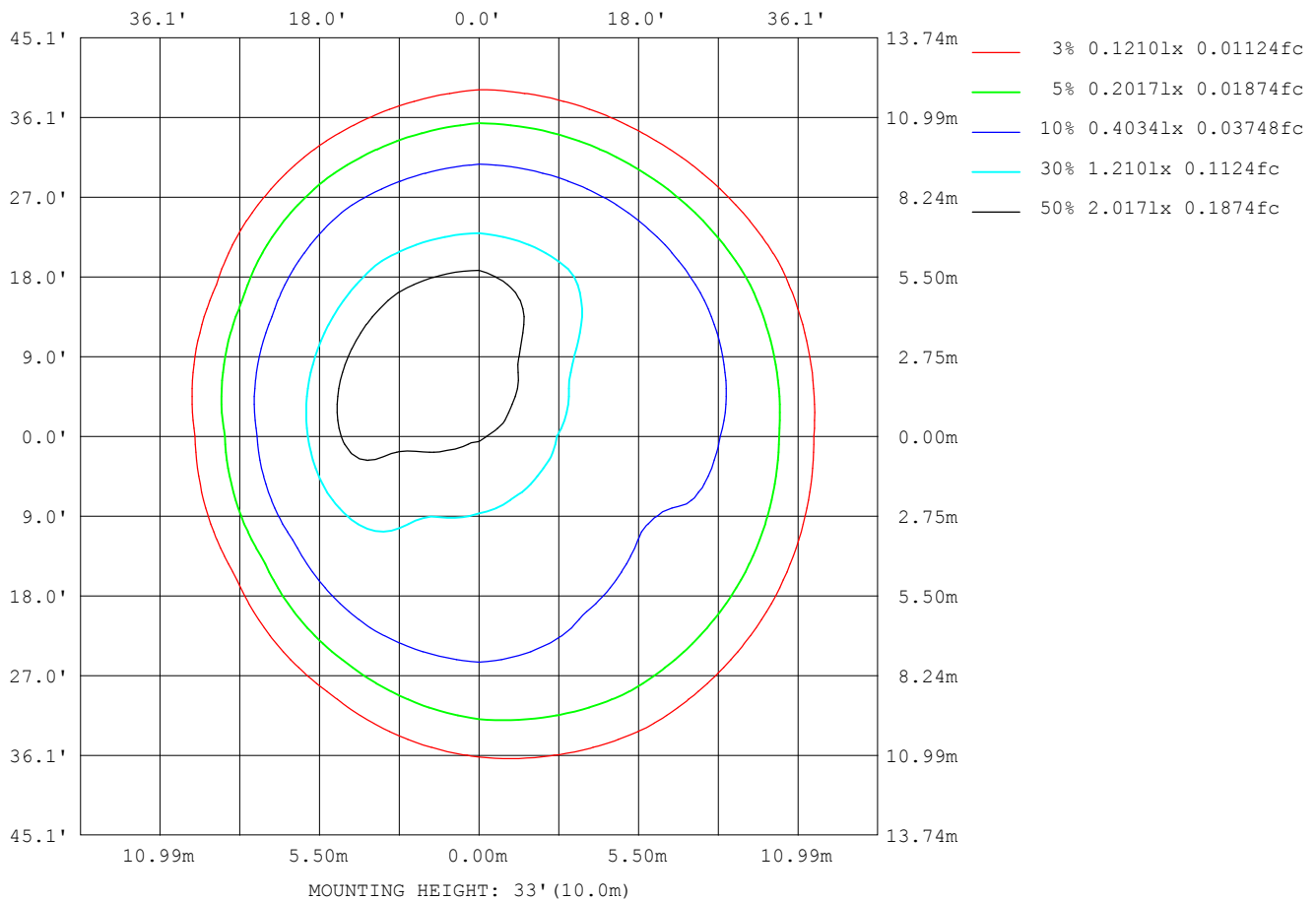
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

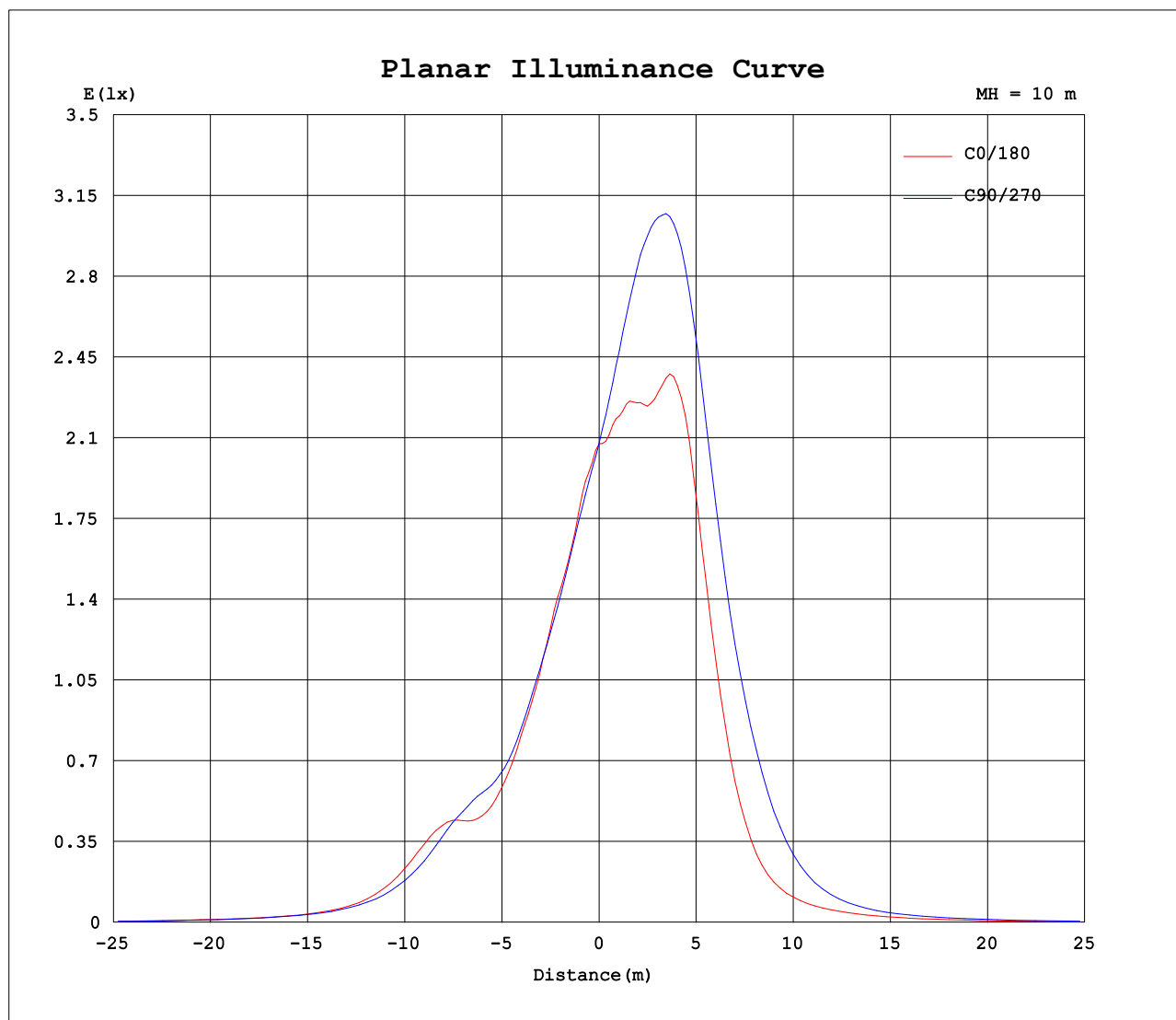
AvgL	cd/m2
L_0~180 (65) av	258
L_0~180 (75) av	222
L_0~180 (85) av	272
L_90~270 (65) av	294
L_90~270 (75) av	228
L_90~270 (85) av	188
L_45 (65) av	276
L_45 (75) av	227
L_45 (85) av	250

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:0.1480A P:3.552W PF:1.000 Freq:0Hz Lamp Flux:348.13x1 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	207	207	207	208	207	208	207	207	207	208	207	208						
5	187	183	180	182	188	204	221	243	251	244	226	206						
10	158	150	154	156	169	195	236	303	323	289	233	185						
15	134	128	125	134	149	179	250	379	420	334	222	169						
20	109	102	105	112	134	183	286	427	487	369	211	143						
25	87.3	82.6	86.5	94.2	131	194	279	357	420	366	215	121						
30	73.9	69.2	74.6	88.9	123	155	199	245	298	305	214	107						
35	80.3	70.4	74.1	87.7	94.6	90.6	112	155	212	220	191	113						
40	88.7	76.8	75.6	74.2	61.0	49.0	55.2	81.3	132	145	139	111						
45	66.2	63.3	61.4	51.6	37.8	29.9	31.1	41.9	67.6	83.6	79.6	77.5						
50	38.5	40.7	40.1	33.3	24.7	20.9	21.0	25.8	36.5	45.9	44.5	46.0						
55	23.9	26.3	25.8	22.0	17.8	15.7	15.4	17.6	22.8	27.6	26.8	26.8						
60	17.1	19.5	18.2	15.9	13.3	12.0	11.4	12.4	15.4	18.5	18.1	17.6						
65	13.4	15.1	13.6	11.9	10.0	9.00	8.37	8.85	10.8	13.0	13.2	13.0						
70	10.3	11.4	10.1	8.69	7.30	6.54	5.95	6.12	7.35	8.94	9.49	9.57						
75	7.64	8.23	7.24	6.02	5.01	4.54	3.86	3.90	4.62	5.77	6.52	6.84						
80	5.46	5.65	4.80	3.75	3.13	2.92	2.19	2.14	2.47	3.17	4.08	4.59						
85	3.59	3.63	2.86	2.05	1.89	1.94	1.15	1.07	1.01	1.23	2.12	2.76						
90	2.15	2.10	1.58	1.29	1.54	1.71	0.93	0.81	0.62	0.41	0.79	1.35						
95	1.40	1.31	1.30	1.33	1.55	1.70	0.90	0.82	0.66	0.43	0.52	0.65						
100	1.28	1.29	1.31	1.40	1.55	1.71	0.98	0.83	0.67	0.52	0.58	0.61						
105	1.29	1.34	1.35	1.50	1.57	1.74	1.04	0.90	0.78	0.60	0.66	0.67						
110	1.34	1.44	1.48	1.62	1.64	1.79	1.12	0.95	0.85	0.68	0.74	0.78						
115	1.46	1.59	1.65	1.78	1.76	1.84	1.22	1.06	0.93	0.78	0.86	0.92						
120	1.60	1.78	1.87	1.98	1.89	1.91	1.32	1.16	1.04	0.91	1.00	1.09						
125	1.79	2.01	2.08	2.17	2.04	2.02	1.44	1.25	1.15	1.05	1.15	1.28						
130	1.99	2.23	2.28	2.36	2.21	2.13	1.57	1.40	1.29	1.21	1.33	1.44						
135	2.21	2.42	2.45	2.51	2.37	2.26	1.70	1.51	1.44	1.39	1.51	1.62						
140	2.38	2.57	2.57	2.63	2.50	2.40	1.85	1.65	1.60	1.56	1.68	1.79						
145	2.52	2.60	2.62	2.70	2.61	2.54	2.00	1.84	1.81	1.75	1.85	1.94						
150	2.55	2.62	2.63	2.75	2.71	2.67	2.16	2.05	2.03	1.95	2.03	2.07						
155	2.55	2.57	2.63	2.78	2.79	2.81	2.32	2.26	2.24	2.15	2.21	2.19						
160	2.55	2.56	2.64	2.82	2.85	2.94	2.48	2.44	2.43	2.34	2.38	2.33						
165	2.54	2.57	2.64	2.85	2.91	3.03	2.57	2.54	2.59	2.52	2.54	2.50						
170	2.55	2.64	2.71	2.86	2.93	3.02	2.65	2.62	2.69	2.64	2.68	2.68						
175	2.63	2.71	2.77	2.87	2.94	3.01	2.69	2.69	2.77	2.75	2.81	2.83						
180	2.70	2.71	2.77	2.87	2.93	2.95	2.70	2.72	2.78	2.86	2.88	2.95						

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	207.4	207.5	206.9	207.8	207.0	208.1	207.4	207.5	206.9	207.8
3.0	195.9	192.6	192.0	191.8	194.8	204.0	212.2	224.9	227.5	227.7
6.0	180.4	177.0	173.9	176.6	185.1	202.2	223.2	253.3	264.2	252.2
9.0	162.6	155.1	159.1	160.8	173.4	197.8	234.5	289.0	307.1	280.1
12.0	150.6	138.9	141.3	146.2	161.1	188.3	240.7	331.7	361.7	309.0
15.0	134.5	127.6	125.3	133.6	148.8	178.8	249.7	379.4	420.4	334.1
18.0	118.1	112.7	112.8	121.2	138.7	176.4	270.7	418.9	472.0	356.4
21.0	104.9	97.42	100.7	108.3	133.0	188.2	290.7	422.2	485.4	372.2
24.0	91.14	85.93	90.09	97.19	130.9	195.1	287.9	378.3	443.8	371.9
27.0	80.45	76.37	80.50	90.65	129.8	185.3	251.4	307.1	366.9	348.5
30.0	73.92	69.20	74.61	88.94	122.9	155.3	199.0	245.5	298.3	305.1
33.0	74.99	68.17	73.05	89.55	108.4	114.5	145.1	189.7	242.7	253.3
36.0	83.86	72.02	75.18	86.57	87.57	79.41	97.37	137.8	195.9	203.6
39.0	89.15	77.03	76.29	78.28	67.41	55.13	63.28	93.51	147.7	158.9
42.0	82.61	74.60	71.83	64.96	50.09	39.71	42.93	61.48	102.5	117.5
45.0	66.16	63.26	61.36	51.59	37.80	29.86	31.06	41.95	67.64	83.60
48.0	48.61	48.65	48.13	39.46	29.05	23.93	24.21	30.65	45.92	57.93
51.0	34.39	36.72	36.51	30.59	22.88	19.64	19.69	23.76	32.94	41.03
54.0	25.97	28.21	27.91	23.81	18.91	16.60	16.29	18.94	24.80	30.38
57.0	20.47	22.92	22.05	19.25	15.81	14.16	13.60	15.31	19.35	23.37
60.0	17.13	19.49	18.20	15.92	13.34	11.99	11.39	12.39	15.39	18.51
63.0	14.76	16.86	15.23	13.28	11.26	10.11	9.502	10.21	12.46	15.01
66.0	12.71	14.31	12.81	11.18	9.440	8.449	7.815	8.267	9.979	12.02
69.0	10.84	12.08	10.77	9.273	7.811	6.972	6.413	6.623	7.984	9.735
72.0	9.173	9.950	8.928	7.554	6.348	5.665	5.056	5.241	6.195	7.525
75.0	7.640	8.233	7.243	6.017	5.011	4.536	3.856	3.904	4.619	5.770
78.0	6.297	6.625	5.725	4.615	3.824	3.506	2.796	2.793	3.262	4.150
81.0	5.050	5.233	4.372	3.364	2.828	2.677	1.937	1.882	2.117	2.732
84.0	3.929	4.022	3.196	2.339	2.078	2.079	1.315	1.238	1.234	1.556
87.0	2.959	2.898	2.240	1.511	1.620	1.724	0.9926	0.8752	0.6730	0.6706
90.0	2.149	2.099	1.585	1.287	1.543	1.709	0.9278	0.8142	0.6233	0.4118
93.0	1.590	1.517	1.312	1.307	1.545	1.702	0.8896	0.8129	0.6384	0.4239
96.0	1.343	1.308	1.300	1.342	1.548	1.699	0.9098	0.8185	0.6736	0.4422
99.0	1.277	1.296	1.311	1.382	1.550	1.719	0.9551	0.8241	0.6739	0.4972
102.0	1.283	1.312	1.321	1.438	1.552	1.724	1.000	0.8543	0.6742	0.5426
105.0	1.290	1.337	1.347	1.498	1.568	1.744	1.041	0.9044	0.7790	0.5980
108.0	1.296	1.397	1.422	1.578	1.613	1.769	1.081	0.9297	0.8144	0.6381
111.0	1.357	1.463	1.512	1.644	1.668	1.799	1.141	0.9898	0.8597	0.6984
114.0	1.422	1.558	1.613	1.744	1.739	1.829	1.196	1.025	0.9149	0.7589
117.0	1.512	1.654	1.728	1.855	1.804	1.865	1.252	1.091	0.9752	0.8340
120.0	1.603	1.784	1.869	1.975	1.889	1.915	1.317	1.156	1.040	0.9094
123.0	1.723	1.915	1.990	2.091	1.975	1.970	1.392	1.206	1.106	0.9998
126.0	1.834	2.051	2.120	2.202	2.075	2.026	1.468	1.281	1.176	1.080
129.0	1.959	2.182	2.241	2.322	2.181	2.106	1.548	1.347	1.257	1.171
132.0	2.085	2.307	2.362	2.428	2.276	2.176	1.614	1.427	1.342	1.271
135.0	2.206	2.423	2.447	2.513	2.367	2.262	1.704	1.508	1.438	1.387
138.0	2.312	2.523	2.523	2.598	2.442	2.337	1.794	1.593	1.538	1.492
141.0	2.407	2.594	2.583	2.649	2.528	2.428	1.880	1.693	1.644	1.598
144.0	2.482	2.601	2.613	2.694	2.608	2.508	1.965	1.799	1.765	1.713
147.0	2.533	2.608	2.623	2.724	2.663	2.593	2.061	1.925	1.895	1.829
150.0	2.553	2.618	2.627	2.749	2.714	2.669	2.161	2.050	2.026	1.955
153.0	2.555	2.603	2.630	2.774	2.769	2.749	2.262	2.161	2.157	2.075
156.0	2.551	2.569	2.633	2.789	2.804	2.835	2.357	2.291	2.282	2.196
159.0	2.547	2.562	2.637	2.809	2.849	2.915	2.453	2.402	2.398	2.312
162.0	2.543	2.555	2.640	2.835	2.879	2.980	2.523	2.482	2.503	2.417
165.0	2.543	2.568	2.643	2.850	2.910	3.026	2.573	2.543	2.588	2.518
168.0	2.543	2.603	2.704	2.861	2.928	3.023	2.629	2.603	2.659	2.598
171.0	2.563	2.654	2.719	2.866	2.932	3.021	2.664	2.623	2.714	2.683
174.0	2.608	2.709	2.754	2.870	2.936	3.015	2.689	2.684	2.759	2.724
177.0	2.653	2.714	2.769	2.875	2.940	3.010	2.704	2.699	2.779	2.784
180.0	2.699	2.714	2.774	2.875	2.930	2.950	2.699	2.719	2.779	2.865
G/C	300.0	330.0								
0.0	207.0	208.1								
3.0	221.0	207.8								
6.0	228.0	204.2								
9.0	232.5	189.3								
12.0	230.7	178.1								
15.0	222.0	168.7								
18.0	214.0	153.4								
21.0	210.7	137.5								
24.0	213.5	124.9								
27.0	216.9	114.4								
30.0	213.9	107.4								

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:

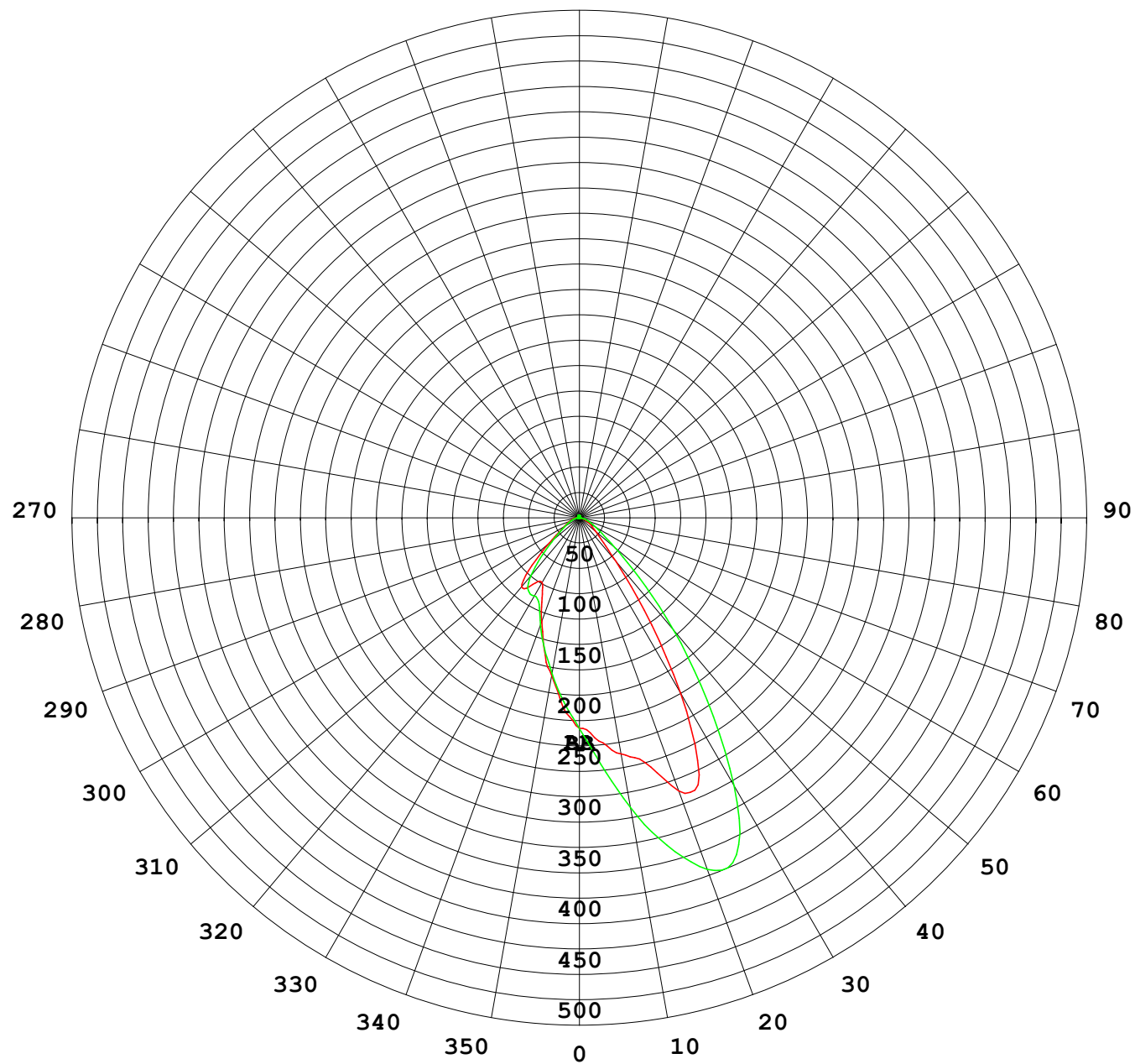
Photometric Data Table [cd]

33.0	203.8	109.3
36.0	183.2	114.4
39.0	151.5	114.6
42.0	112.6	100.2
45.0	79.57	77.50
48.0	56.04	56.53
51.0	39.82	41.38
54.0	29.34	29.71
57.0	22.54	22.47
60.0	18.15	17.63
63.0	14.96	14.50
66.0	12.32	12.14
69.0	10.18	10.17
72.0	8.225	8.339
75.0	6.523	6.844
78.0	5.011	5.452
81.0	3.659	4.204
84.0	2.463	3.074
87.0	1.505	2.099
90.0	0.7874	1.354
93.0	0.5126	0.8202
96.0	0.5329	0.6185
99.0	0.5681	0.6071
102.0	0.6133	0.6191
105.0	0.6586	0.6723
108.0	0.7138	0.7485
111.0	0.7742	0.8239
114.0	0.8395	0.9093
117.0	0.9150	0.9947
120.0	0.9954	1.085
123.0	1.091	1.210
126.0	1.181	1.306
129.0	1.292	1.397
132.0	1.393	1.513
135.0	1.513	1.623
138.0	1.609	1.719
141.0	1.714	1.824
144.0	1.825	1.905
147.0	1.925	1.990
150.0	2.026	2.065
153.0	2.136	2.126
156.0	2.232	2.206
159.0	2.337	2.292
162.0	2.448	2.387
165.0	2.543	2.502
168.0	2.634	2.608
171.0	2.729	2.704
174.0	2.804	2.794
177.0	2.870	2.880
180.0	2.885	2.945

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

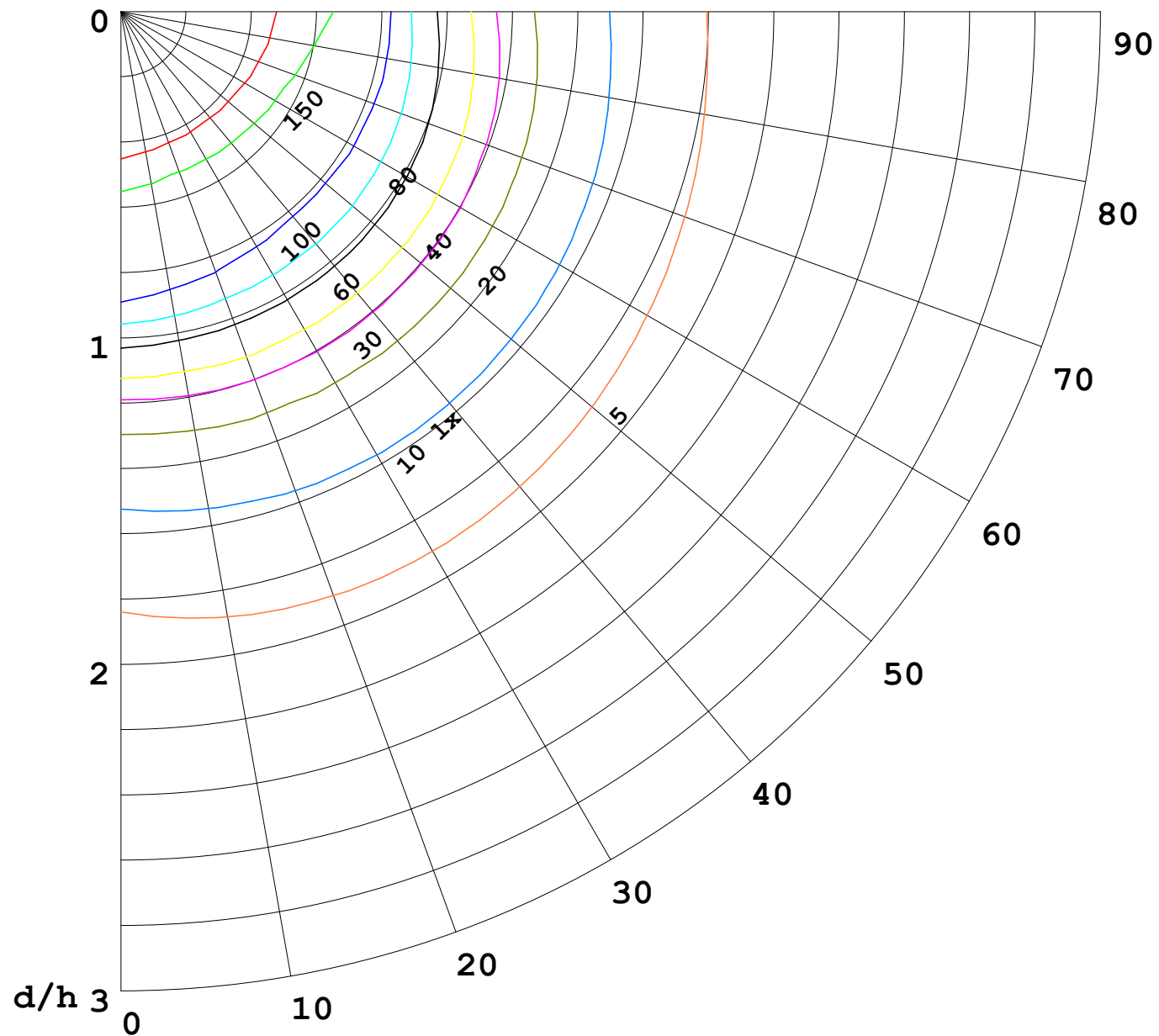
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

