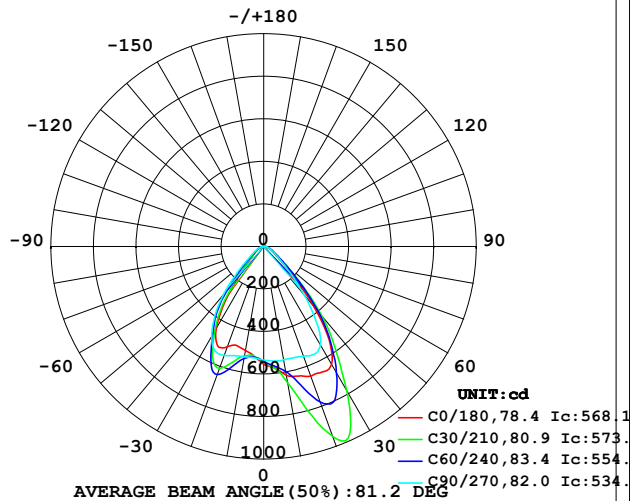


LUMINAIRE PHOTOMETRIC TEST REPORT

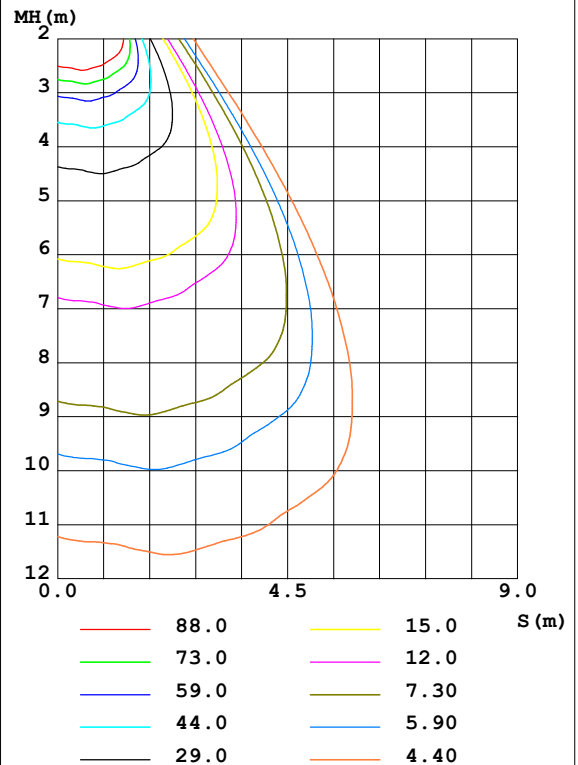
Test:U:24.00V I:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.24 lm/W			
MODEL	3535	I _{max} (cd)	991.5	S/MH (C0/180)	1.05
NOMINAL POWER (W)	23	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1037.9	η UP, DN (C0-180)	1.7, 52.2
NOMINAL FLUX (lm)	1037.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.3, 44.8
LAMPS INSIDE	1	η up (%)	3.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	24	η down (%)	97.0	CIBSE SHR MAX	0.90

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	614.2	623.5	541.8	500.7	496.4	528.5	526.8	535.4	0- 10	51.54	51.54	4.97,4.97
20	648.6	864.1	549.7	477.9	502.3	625.4	544.8	520.8	10- 20	163.2	214.7	20.7,20.7
30	639.2	732.4	533.4	410.6	445.7	471.8	489.3	490.9	20- 30	268.6	483.3	46.6,46.6
40	364.4	410.7	293.8	207.2	178.0	234.7	292.5	336.0	30- 40	260.3	743.6	71.6,71.6
50	106.9	138.6	109.2	80.00	66.29	81.00	106.1	118.7	40- 50	138.4	882.0	85,85
60	50.85	58.24	51.60	42.34	37.72	41.39	48.12	51.98	50- 60	62.05	944.0	91,91
70	29.11	30.87	27.50	23.31	21.11	21.62	24.89	28.02	60- 70	35.54	979.5	94.4,94.4
80	15.19	14.92	11.65	10.32	8.819	8.329	9.333	12.65	70- 80	19.21	998.8	96.2,96.2
90	6.088	5.350	3.674	4.794	3.221	2.737	1.422	3.086	80- 90	7.515	1006	97,97
100	4.320	4.244	4.051	4.845	3.579	3.181	2.010	1.940	90-100	3.805	1010	97.3,97.3
110	4.518	4.490	4.468	5.189	4.358	4.011	2.844	2.528	100-110	3.993	1014	97.7,97.7
120	4.935	4.955	5.066	5.722	5.202	4.807	3.788	3.310	110-120	4.336	1018	98.1,98.1
130	5.593	5.566	5.785	6.400	5.926	5.541	4.718	4.217	120-130	4.553	1023	98.6,98.6
140	6.316	6.232	6.474	7.043	6.585	6.214	5.578	5.164	130-140	4.506	1027	99,99
150	7.005	6.807	7.112	7.544	7.077	6.818	6.317	6.011	140-150	4.085	1032	99.4,99.4
160	7.658	7.511	7.806	7.936	7.695	7.494	7.106	6.863	150-160	3.296	1035	99.7,99.7
170	8.493	8.365	8.408	8.265	8.595	8.348	7.950	7.740	160-170	2.220	1037	99.9,99.9
180	8.966	8.835	8.639	8.373	9.016	8.855	8.564	8.350	170-180	0.8045	1038	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 828.11 lm

%lum = 79.8%

%lamp = 79.8%

Conical surface Flux(120deg): 944.01 lm

%lum = 91.0%

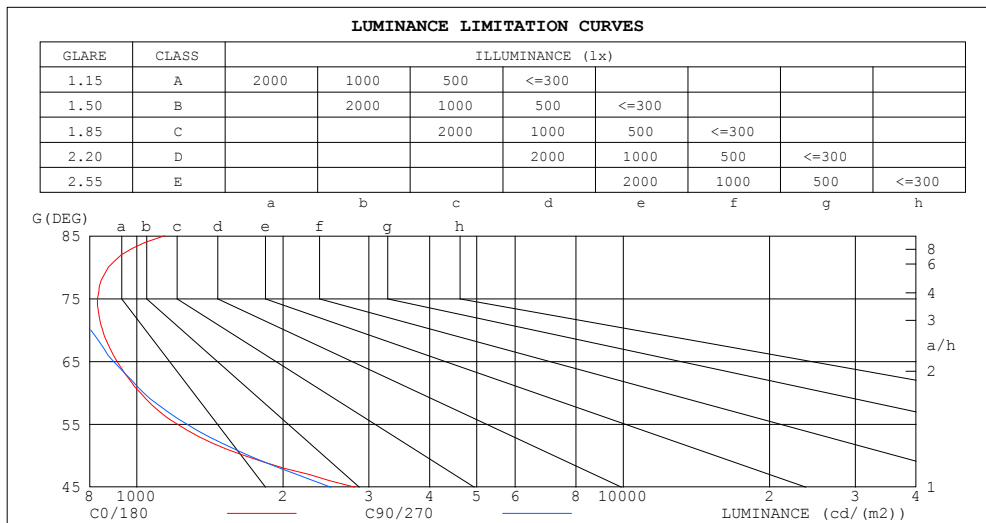
%lamp = 91.0%

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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	1139	707
80	875	671
75	831	732
70	851	804
65	911	895
60	1017	1032
55	1210	1267
50	1663	1699
45	2805	2504

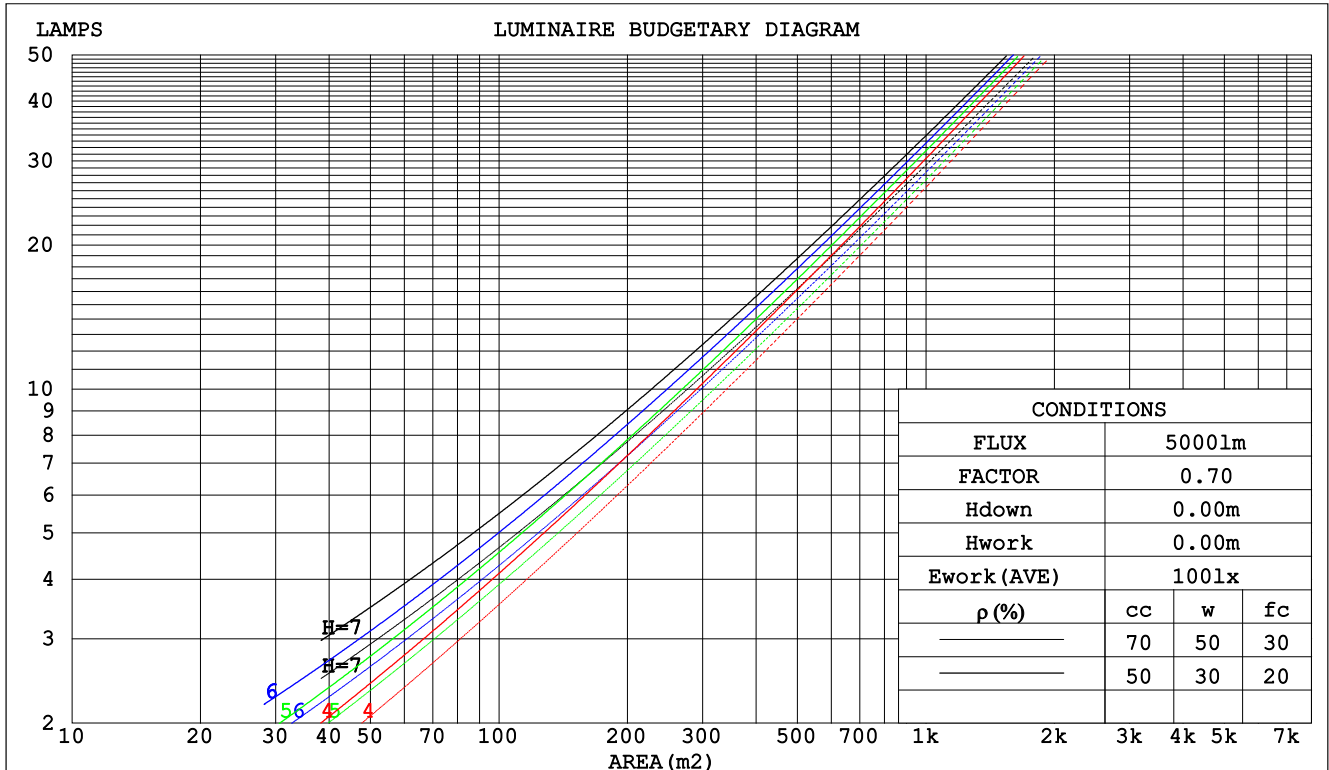
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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	1.00	.98	.96	.96	.94	.92	.92	.90	.89	.87
2.0	.97	.92	.88	.95	.91	.87	.91	.88	.84	.88	.85	.82	.85	.82	.80	.78
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.78	.74	.72	.70
4.0	.81	.74	.69	.79	.73	.68	.77	.71	.67	.74	.69	.66	.72	.68	.65	.63
5.0	.74	.67	.61	.73	.66	.61	.70	.65	.60	.68	.63	.59	.66	.62	.58	.57
6.0	.68	.61	.55	.67	.60	.55	.65	.59	.54	.63	.58	.54	.61	.57	.53	.51
7.0	.63	.55	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.58	.51	.46	.57	.50	.46	.56	.50	.45	.54	.49	.45	.53	.48	.44	.43
9.0	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.39	.50	.43	.39	.48	.42	.38	.47	.42	.38	.46	.41	.38	.36



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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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	.229	.130	.041	.221	.126	.040	.207	.118	.038	.193	.111	.036	.181	.105	.034	
2.0	.219	.120	.037	.212	.117	.036	.199	.111	.034	.188	.105	.033	.177	.100	.032	
3.0	.207	.110	.033	.201	.108	.032	.190	.103	.031	.179	.098	.030	.170	.094	.029	
4.0	.195	.101	.030	.190	.099	.029	.180	.096	.029	.171	.092	.028	.163	.088	.027	
5.0	.184	.094	.027	.180	.092	.027	.171	.089	.026	.163	.086	.026	.155	.083	.025	
6.0	.174	.087	.025	.170	.086	.025	.162	.083	.024	.155	.081	.024	.148	.078	.023	
7.0	.165	.082	.023	.161	.080	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	
8.0	.156	.076	.021	.153	.075	.021	.147	.073	.021	.141	.071	.021	.135	.069	.020	
9.0	.149	.072	.020	.146	.071	.020	.140	.069	.020	.135	.067	.019	.129	.066	.019	
10.0	.142	.068	.019	.139	.067	.019	.134	.065	.018	.129	.064	.018	.124	.062	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.198	.180	.164	.169	.155	.141	.116	.106	.098	.067	.062	.057	.021	.020	.018	
2.0	.186	.156	.130	.159	.134	.113	.109	.093	.079	.063	.054	.046	.020	.017	.015	
3.0	.176	.138	.107	.151	.119	.093	.104	.082	.065	.060	.048	.038	.019	.016	.013	
4.0	.167	.124	.090	.144	.107	.078	.099	.074	.055	.057	.044	.033	.018	.014	.011	
5.0	.160	.113	.078	.137	.097	.068	.094	.068	.048	.055	.040	.028	.018	.013	.009	
6.0	.153	.104	.069	.131	.090	.060	.091	.063	.042	.053	.037	.025	.017	.012	.008	
7.0	.147	.097	.062	.126	.084	.054	.087	.059	.038	.051	.035	.023	.016	.011	.008	
8.0	.141	.091	.056	.121	.079	.049	.084	.055	.035	.049	.033	.021	.016	.011	.007	
9.0	.136	.086	.052	.117	.075	.046	.081	.052	.032	.047	.031	.019	.015	.010	.006	
10.0	.131	.082	.049	.113	.071	.043	.078	.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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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		14.2	15.3	14.5	15.6	15.8	13.8	14.9	14.0	15.2	15.4
	3H	14.4	15.5	14.7	15.7	16.0	14.0	15.1	14.3	15.3	15.6
	4H	14.5	15.5	14.9	15.8	16.1	14.1	15.1	14.5	15.4	15.7
	6H	14.7	15.6	15.0	15.9	16.2	14.2	15.1	14.6	15.5	15.8
	8H	14.7	15.6	15.1	16.0	16.3	14.2	15.1	14.6	15.5	15.8
	12H	14.8	15.7	15.2	16.0	16.4	14.2	15.1	14.6	15.4	15.8
4H	2H	14.1	15.2	14.5	15.4	15.7	13.8	14.8	14.1	15.1	15.4
	3H	14.5	15.4	14.9	15.7	16.1	14.2	15.0	14.5	15.4	15.7
	4H	14.8	15.5	15.2	15.9	16.3	14.4	15.2	14.8	15.5	15.9
	6H	15.0	15.7	15.4	16.1	16.5	14.6	15.3	15.0	15.7	16.1
	8H	15.2	15.8	15.6	16.2	16.6	14.6	15.3	15.1	15.7	16.1
	12H	15.3	15.9	15.8	16.3	16.8	14.7	15.3	15.2	15.7	16.2
8H	4H	14.8	15.4	15.2	15.8	16.3	14.4	15.1	14.9	15.5	15.9
	6H	15.2	15.7	15.7	16.2	16.6	14.7	15.3	15.2	15.7	16.2
	8H	15.4	15.9	15.9	16.3	16.9	14.9	15.4	15.4	15.8	16.3
	12H	15.7	16.1	16.2	16.6	17.1	15.0	15.4	15.6	15.9	16.5
12H	4H	14.8	15.4	15.2	15.8	16.3	14.4	15.0	14.9	15.4	15.9
	6H	15.2	15.7	15.7	16.1	16.6	14.8	15.2	15.3	15.7	16.2
	8H	15.5	15.9	16.0	16.4	16.9	15.0	15.4	15.5	15.9	16.4
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 1.9					+ 1.4 / - 1.8					
1.5H	+ 2.2 / - 1.9					+ 2.0 / - 1.7					
2.0H	+ 2.2 / - 1.2					+ 2.1 / - 1.3					

CIE Pub.117, 1038 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.1$)

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

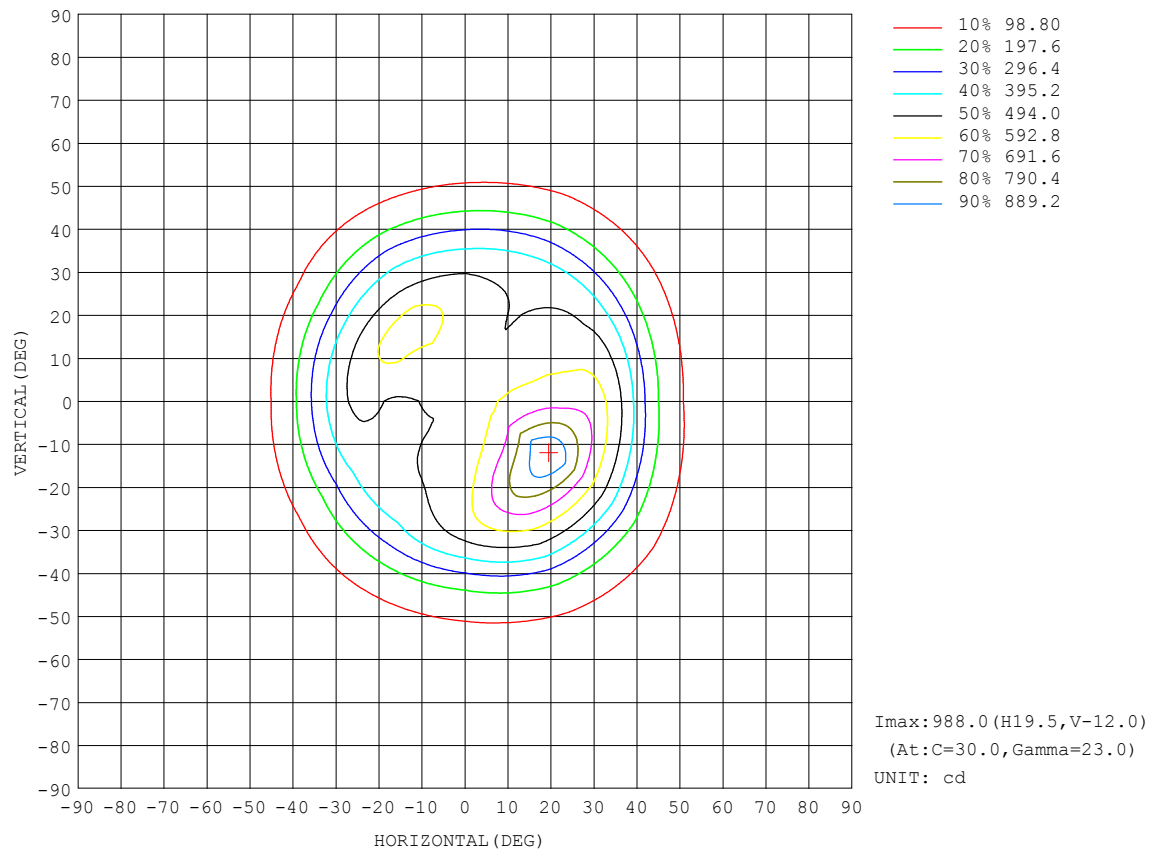
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	72	64	60	55
0.80	83	74	69	82	74	69	80	73	68	63
1.00	89	81	76	88	81	76	86	81	75	70
1.25	95	87	82	93	86	82	91	85	81	75
1.50	98	91	87	97	90	86	94	89	85	79
2.00	103	97	92	101	95	91	97	93	90	83
2.50	105	100	96	103	98	94	99	95	92	85
3.00	107	103	99	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	103	100	98	90
5.00	112	108	106	109	106	104	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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

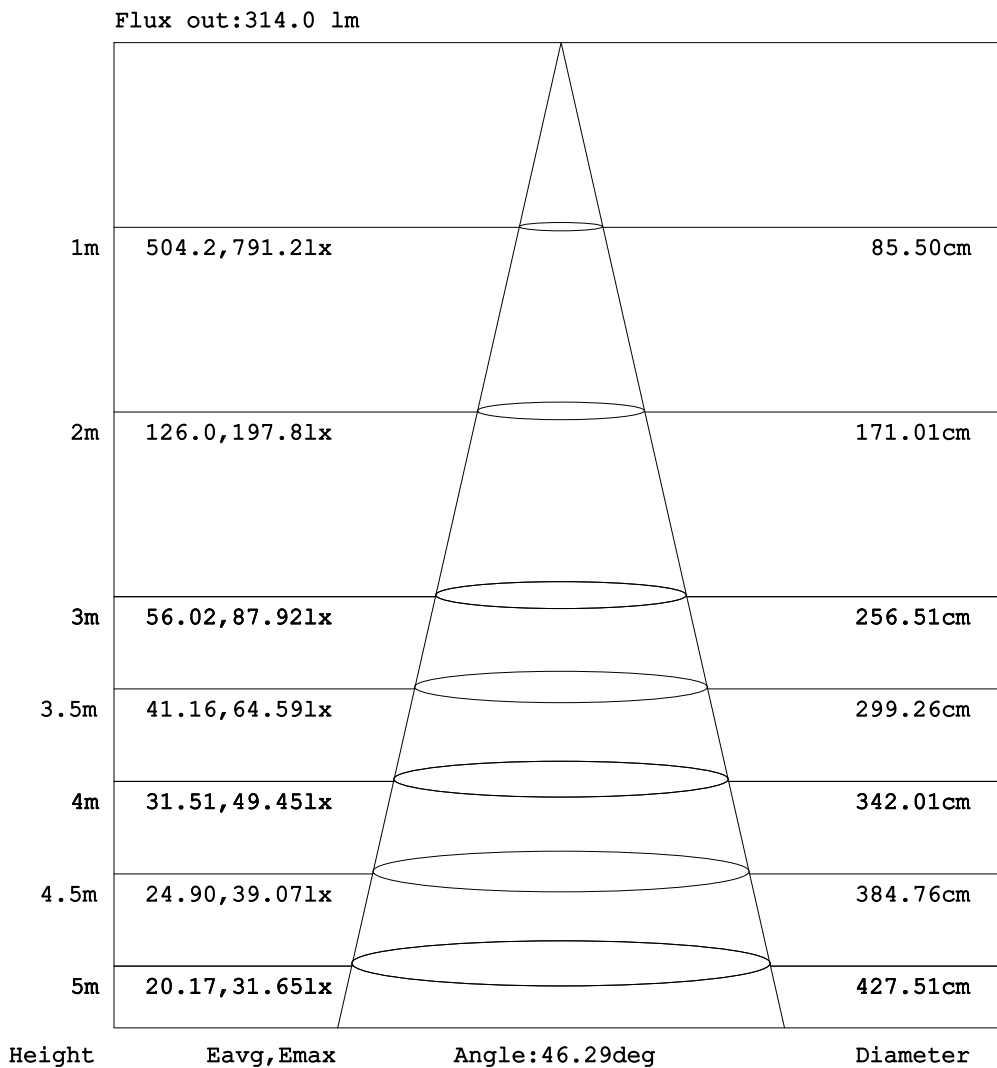


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



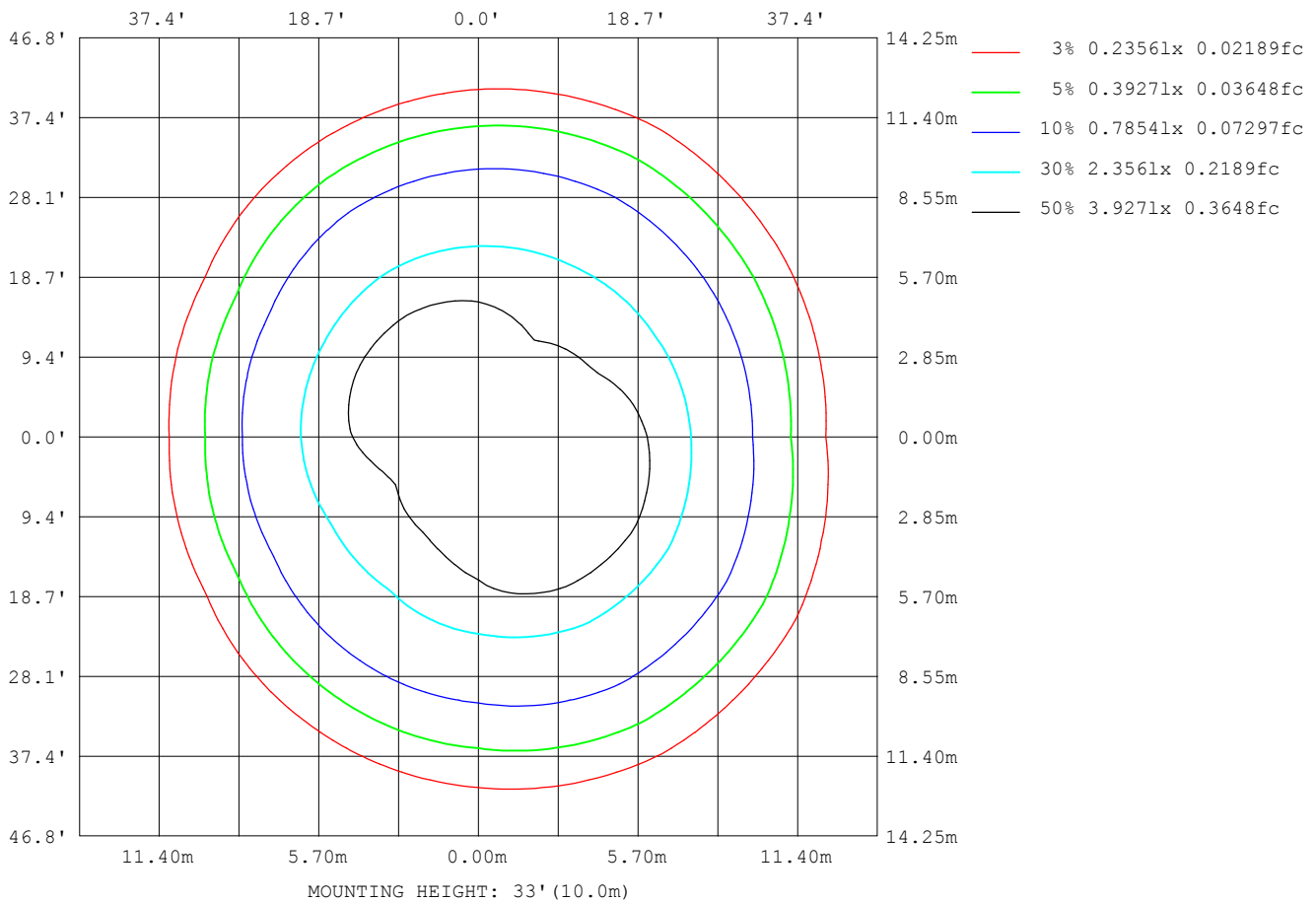
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

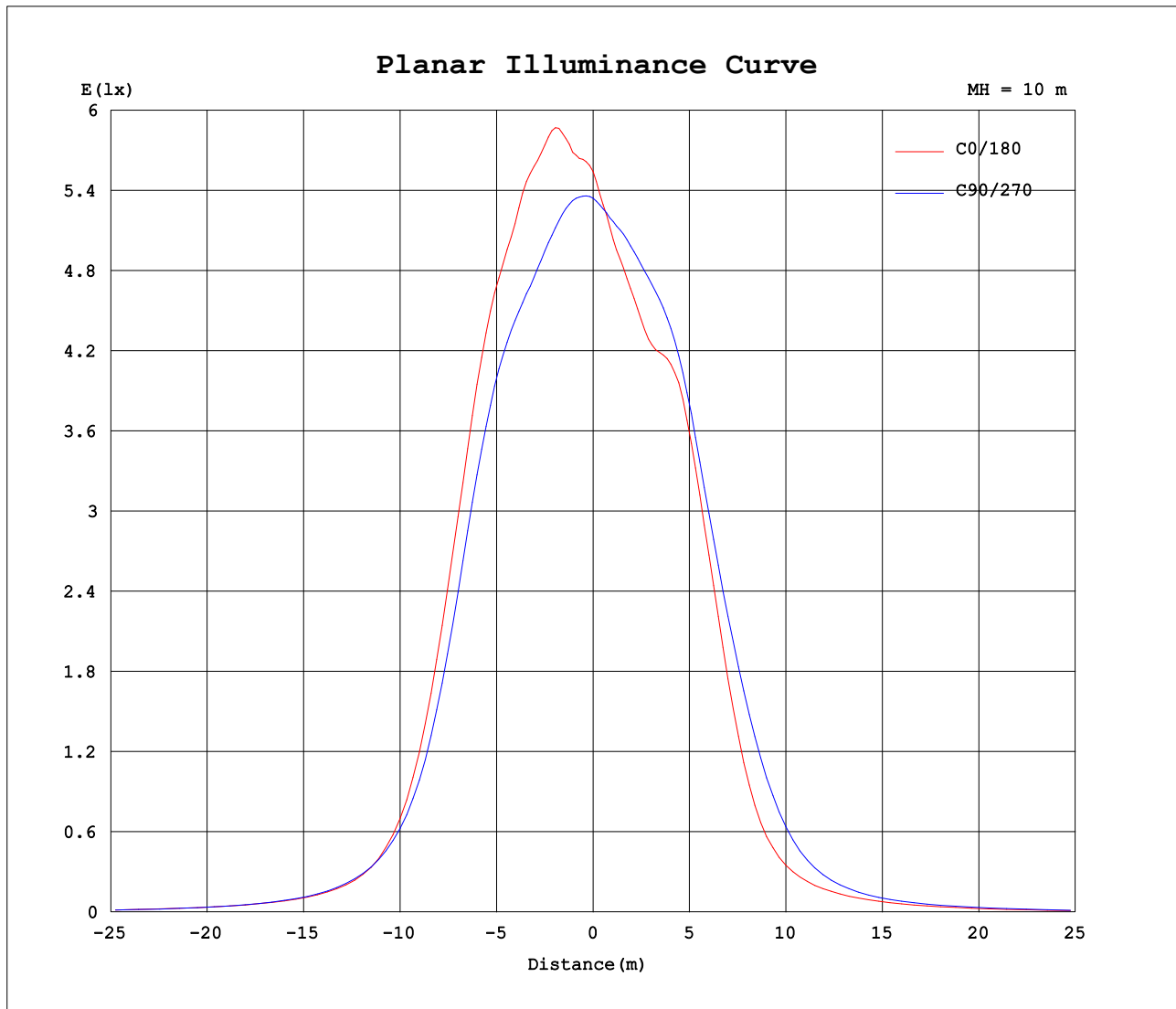
AvgL	cd/m2
L_0~180 (65) av	795
L_0~180 (75) av	694
L_0~180 (85) av	846
L_90~270 (65) av	861
L_90~270 (75) av	684
L_90~270 (85) av	579
L_45 (65) av	845
L_45 (75) av	699
L_45 (85) av	770

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:1.000A P:24.00W PF:1.000 Freq:0Hz Lamp Flux:1037.9x1 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	554	546	540	534	534	535	554	546	540	534	534	535							
5	573	574	564	540	521	506	519	519	522	526	536	547							
10	614	651	596	542	512	489	496	522	535	527	519	552							
15	631	796	674	542	512	475	484	563	588	532	504	557							
20	649	950	779	550	497	459	502	610	641	545	492	550							
25	652	963	794	560	463	446	516	570	590	542	484	534							
30	639	780	685	533	418	403	446	462	482	489	466	516							
35	538	589	551	435	345	300	318	342	389	403	426	464							
40	364	423	398	294	233	181	178	202	267	293	328	344							
45	198	252	241	177	140	107	99.6	111	153	181	207	205							
50	107	140	137	109	88.8	71.2	66.3	72.2	89.8	106	121	117							
55	69.4	85.1	84.6	72.7	61.1	52.0	49.3	52.6	59.8	68.2	75.7	73.0							
60	50.8	58.5	58.0	51.6	44.5	40.1	37.7	39.4	43.4	48.1	52.4	51.5							
65	38.5	42.5	41.8	37.8	33.0	30.6	28.8	29.2	31.5	35.0	38.3	38.3							
70	29.1	31.3	30.5	27.5	24.0	22.7	21.1	20.9	22.4	24.9	27.9	28.2							
75	21.5	22.6	21.5	18.9	16.5	15.9	14.4	14.0	14.7	16.4	19.2	20.0							
80	15.2	15.6	14.2	11.6	10.3	10.3	8.82	8.24	8.42	9.33	12.1	13.2							
85	9.93	10.0	8.42	6.16	5.91	6.46	4.82	4.36	4.03	3.93	6.38	7.67							
90	6.09	5.99	4.71	3.67	4.48	5.11	3.22	3.08	2.40	1.42	2.54	3.63							
95	4.41	4.33	4.10	3.87	4.49	5.06	3.28	3.16	2.57	1.67	1.74	1.93							
100	4.32	4.35	4.14	4.05	4.55	5.14	3.58	3.47	2.90	2.01	1.96	1.92							
105	4.37	4.45	4.27	4.24	4.69	5.28	3.95	3.88	3.29	2.41	2.23	2.19							
110	4.52	4.56	4.42	4.47	4.90	5.47	4.36	4.32	3.70	2.84	2.57	2.49							
115	4.69	4.75	4.65	4.74	5.14	5.72	4.80	4.71	4.12	3.32	2.96	2.84							
120	4.93	5.00	4.91	5.07	5.43	6.02	5.20	5.09	4.52	3.79	3.38	3.24							
125	5.25	5.30	5.22	5.42	5.75	6.36	5.57	5.43	4.93	4.26	3.85	3.66							
130	5.59	5.58	5.55	5.79	6.09	6.71	5.93	5.77	5.31	4.72	4.33	4.10							
135	5.96	5.94	5.89	6.14	6.45	7.04	6.27	6.09	5.67	5.17	4.83	4.57							
140	6.32	6.26	6.20	6.47	6.77	7.32	6.58	6.40	6.03	5.58	5.29	5.03							
145	6.66	6.56	6.49	6.79	7.10	7.56	6.85	6.68	6.37	5.95	5.71	5.50							
150	7.01	6.84	6.78	7.11	7.39	7.69	7.08	6.93	6.70	6.32	6.11	5.91							
155	7.32	7.14	7.11	7.46	7.66	7.82	7.33	7.20	7.03	6.69	6.52	6.33							
160	7.66	7.51	7.51	7.81	7.90	7.97	7.70	7.57	7.42	7.11	6.94	6.78							
165	8.08	7.97	7.92	8.13	8.11	8.13	8.16	8.00	7.85	7.54	7.38	7.27							
170	8.49	8.42	8.31	8.41	8.28	8.25	8.59	8.41	8.29	7.95	7.79	7.69							
175	8.79	8.78	8.59	8.59	8.39	8.34	8.89	8.73	8.65	8.32	8.15	8.05							
180	8.97	8.95	8.72	8.64	8.41	8.34	9.02	8.89	8.83	8.56	8.43	8.27							

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	554.2	545.8	540.3	534.2	533.9	535.1	554.2	545.8	540.3	534.2
3.0	565.7	561.8	554.4	537.9	524.1	517.0	531.6	526.2	525.9	528.6
6.0	578.1	581.8	569.2	541.4	518.7	500.5	511.5	514.9	522.8	525.2
9.0	604.8	629.2	587.9	542.2	512.4	492.1	500.1	519.6	530.0	526.6
12.0	624.9	698.7	620.1	541.0	513.7	483.7	490.9	533.0	550.6	527.9
15.0	630.6	795.6	674.5	541.8	512.4	474.9	483.8	562.7	587.5	532.4
18.0	642.6	897.0	741.0	544.5	505.3	465.1	489.3	594.8	625.7	539.7
21.0	647.6	972.4	791.1	552.4	491.2	456.9	509.0	611.6	641.8	546.4
24.0	650.5	982.8	802.6	559.5	470.4	448.5	519.5	586.9	609.6	546.1
27.0	654.9	898.4	757.7	556.5	445.8	434.6	495.8	530.1	545.7	527.4
30.0	639.2	779.6	685.2	533.4	417.8	403.3	445.7	461.6	481.9	489.3
33.0	587.9	657.8	604.6	483.9	381.4	348.7	375.2	392.6	427.3	440.2
36.0	507.5	555.4	522.6	406.6	324.7	273.8	287.6	313.5	367.6	382.5
39.0	402.6	459.6	431.3	322.6	256.1	201.9	202.5	227.3	293.9	315.1
42.0	292.1	353.7	330.8	240.8	191.0	145.1	137.8	158.5	217.2	245.0
45.0	198.4	252.2	240.8	177.1	140.3	107.2	99.61	111.2	153.2	181.2
48.0	134.4	176.6	171.6	131.9	105.8	81.93	76.84	83.96	110.0	130.2
51.0	96.57	125.0	123.6	100.2	81.97	66.62	62.40	67.39	81.89	96.19
54.0	74.80	92.43	92.30	78.29	65.41	54.98	51.96	56.07	64.50	74.11
57.0	60.71	72.18	72.05	63.04	53.48	47.20	44.09	46.94	52.62	59.09
60.0	50.85	58.50	57.97	51.60	44.55	40.14	37.72	39.39	43.38	48.12
63.0	42.99	47.95	47.46	43.08	37.23	34.08	32.24	33.21	35.76	40.04
66.0	36.40	39.89	39.24	35.49	31.01	28.83	27.05	27.30	29.51	32.75
69.0	30.78	33.24	32.49	29.49	25.64	24.12	22.56	22.49	24.07	26.91
72.0	25.88	27.48	26.67	23.86	20.85	19.74	18.35	18.10	19.06	21.51
75.0	21.50	22.60	21.55	18.95	16.50	15.94	14.43	13.97	14.66	16.45
78.0	17.58	18.29	16.97	14.39	12.59	12.37	10.90	10.38	10.74	12.04
81.0	14.06	14.44	12.91	10.36	9.263	9.401	7.865	7.319	7.422	8.166
84.0	10.90	11.06	9.422	7.122	6.578	7.021	5.445	4.937	4.741	4.916
87.0	8.202	8.256	6.603	4.599	4.925	5.561	3.836	3.507	2.886	2.368
90.0	6.088	5.991	4.710	3.674	4.478	5.111	3.221	3.076	2.397	1.422
93.0	4.778	4.657	4.092	3.785	4.484	5.066	3.227	3.076	2.478	1.553
96.0	4.353	4.307	4.103	3.905	4.491	5.071	3.333	3.201	2.634	1.733
99.0	4.316	4.327	4.131	4.016	4.533	5.111	3.509	3.392	2.825	1.949
102.0	4.329	4.383	4.196	4.126	4.613	5.187	3.725	3.618	3.041	2.170
105.0	4.367	4.448	4.272	4.242	4.694	5.277	3.946	3.879	3.288	2.412
108.0	4.452	4.513	4.362	4.368	4.814	5.393	4.183	4.140	3.534	2.658
111.0	4.543	4.594	4.447	4.514	4.950	5.524	4.454	4.387	3.785	2.934
114.0	4.644	4.704	4.593	4.675	5.096	5.664	4.715	4.633	4.032	3.211
117.0	4.784	4.845	4.749	4.856	5.251	5.835	4.961	4.859	4.283	3.487
120.0	4.935	5.001	4.910	5.066	5.427	6.016	5.202	5.090	4.524	3.788
123.0	5.110	5.167	5.095	5.268	5.618	6.217	5.429	5.302	4.770	4.065
126.0	5.307	5.363	5.286	5.484	5.814	6.424	5.650	5.503	5.002	4.347
129.0	5.512	5.534	5.502	5.710	6.020	6.645	5.861	5.699	5.238	4.623
132.0	5.744	5.725	5.688	5.921	6.241	6.830	6.067	5.900	5.464	4.889
135.0	5.965	5.941	5.890	6.142	6.447	7.036	6.273	6.091	5.675	5.171
138.0	6.161	6.137	6.081	6.348	6.648	7.212	6.464	6.282	5.886	5.427
141.0	6.387	6.328	6.261	6.539	6.844	7.373	6.650	6.458	6.102	5.653
144.0	6.608	6.509	6.432	6.730	7.035	7.514	6.795	6.633	6.303	5.885
147.0	6.804	6.680	6.608	6.916	7.226	7.629	6.941	6.789	6.504	6.101
150.0	7.005	6.836	6.779	7.112	7.392	7.695	7.077	6.930	6.705	6.317
153.0	7.191	7.012	6.970	7.323	7.558	7.765	7.218	7.091	6.896	6.543
156.0	7.387	7.202	7.186	7.529	7.704	7.835	7.389	7.267	7.102	6.769
159.0	7.588	7.434	7.427	7.735	7.845	7.936	7.610	7.478	7.338	7.025
162.0	7.809	7.690	7.673	7.941	7.980	8.031	7.876	7.734	7.590	7.267
165.0	8.075	7.966	7.925	8.132	8.106	8.127	8.163	8.000	7.851	7.538
168.0	8.337	8.248	8.161	8.303	8.242	8.197	8.444	8.257	8.118	7.794
171.0	8.563	8.509	8.377	8.449	8.312	8.268	8.665	8.488	8.374	8.036
174.0	8.754	8.720	8.548	8.564	8.358	8.323	8.846	8.669	8.585	8.242
177.0	8.880	8.871	8.669	8.629	8.398	8.338	8.981	8.805	8.750	8.433
180.0	8.966	8.946	8.725	8.639	8.408	8.338	9.016	8.886	8.825	8.564
G/C	300.0	330.0								
0.0	533.9	535.1								
3.0	539.1	544.9								
6.0	534.0	545.9								
9.0	523.3	547.7								
12.0	513.6	555.2								
15.0	503.8	557.0								
18.0	495.5	551.6								
21.0	489.9	548.9								
24.0	486.2	539.9								
27.0	479.4	525.8								
30.0	466.3	515.5								

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:

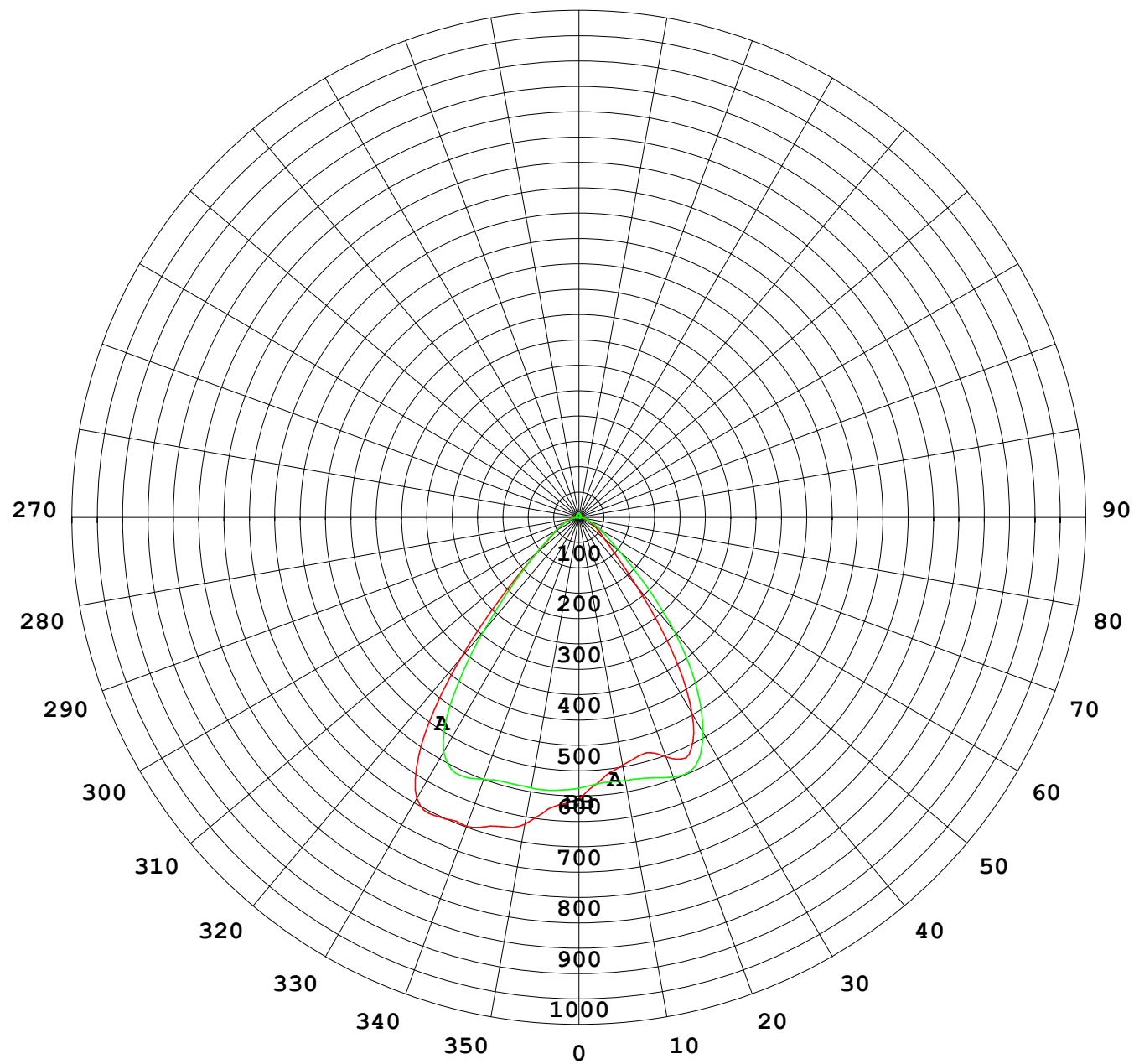
Photometric Data Table [cd]

33.0	447.6	489.8
36.0	411.0	446.1
39.0	351.6	372.3
42.0	277.2	284.6
45.0	207.2	205.4
48.0	150.1	146.5
51.0	109.4	105.1
54.0	82.43	79.40
57.0	64.51	63.01
60.0	52.44	51.52
63.0	43.42	43.37
66.0	35.93	36.00
69.0	29.83	30.15
72.0	24.20	24.83
75.0	19.25	20.00
78.0	14.80	15.87
81.0	10.81	12.10
84.0	7.371	8.701
87.0	4.576	5.897
90.0	2.543	3.629
93.0	1.714	2.305
96.0	1.775	1.895
99.0	1.910	1.890
102.0	2.056	2.020
105.0	2.227	2.191
108.0	2.428	2.362
111.0	2.639	2.548
114.0	2.876	2.764
117.0	3.127	3.000
120.0	3.383	3.236
123.0	3.650	3.482
126.0	3.941	3.744
129.0	4.233	4.010
132.0	4.534	4.286
135.0	4.826	4.573
138.0	5.112	4.854
141.0	5.374	5.135
144.0	5.630	5.402
147.0	5.871	5.668
150.0	6.107	5.915
153.0	6.354	6.141
156.0	6.610	6.417
159.0	6.861	6.683
162.0	7.123	6.970
165.0	7.384	7.266
168.0	7.635	7.538
171.0	7.866	7.774
174.0	8.082	7.985
177.0	8.288	8.156
180.0	8.433	8.267

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

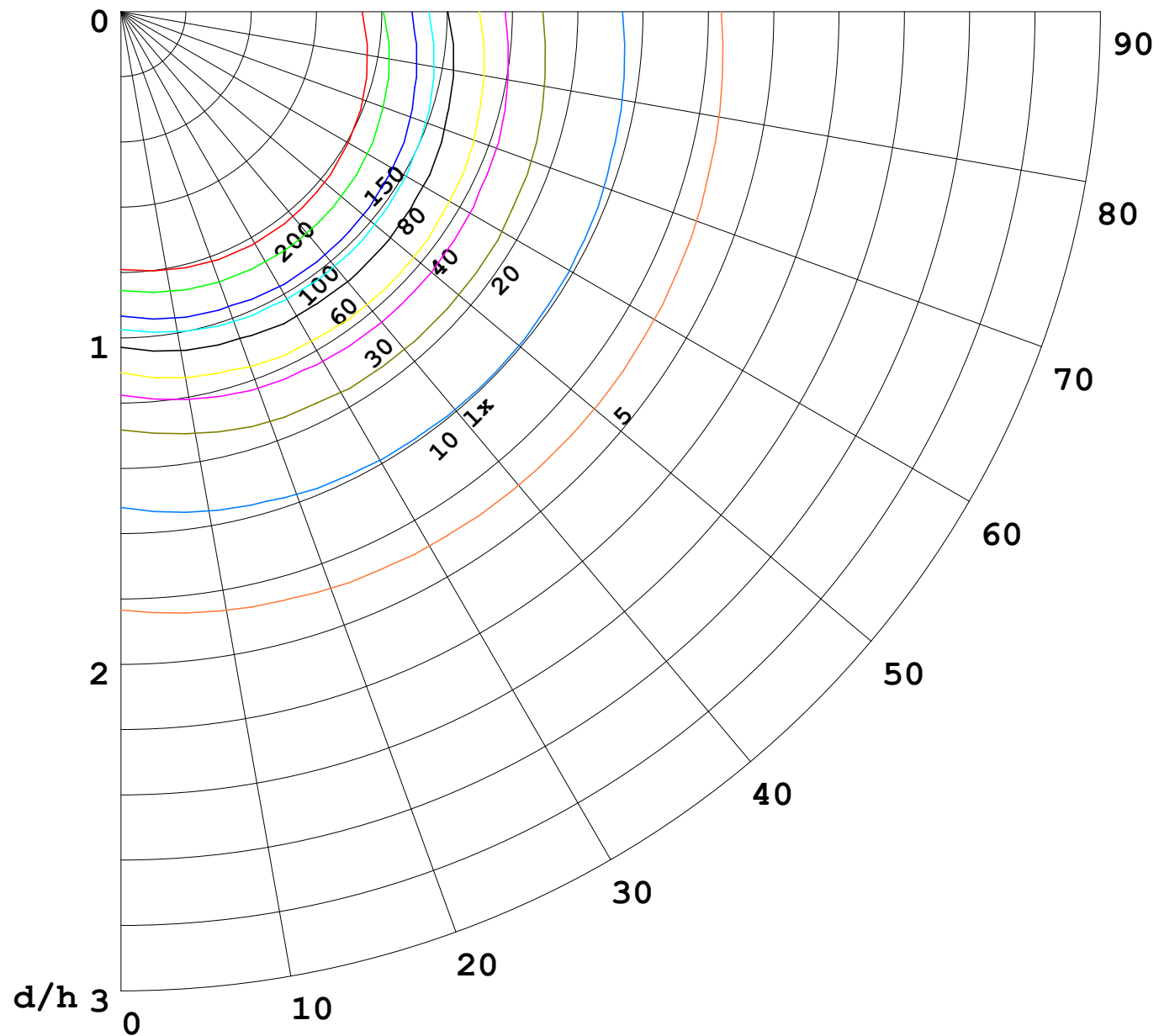
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

