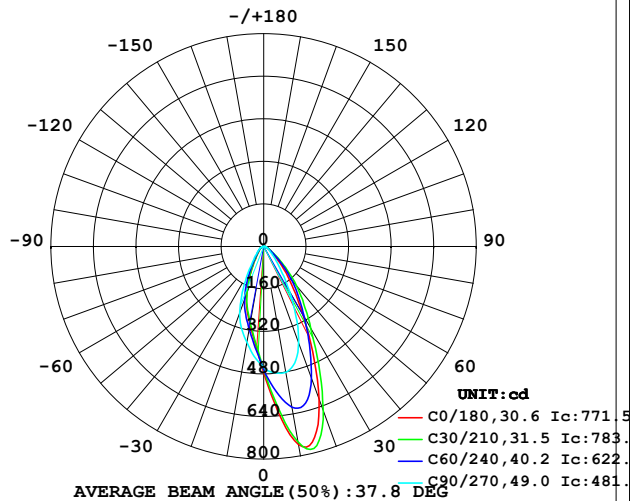


LUMINAIRE PHOTOMETRIC TEST REPORT

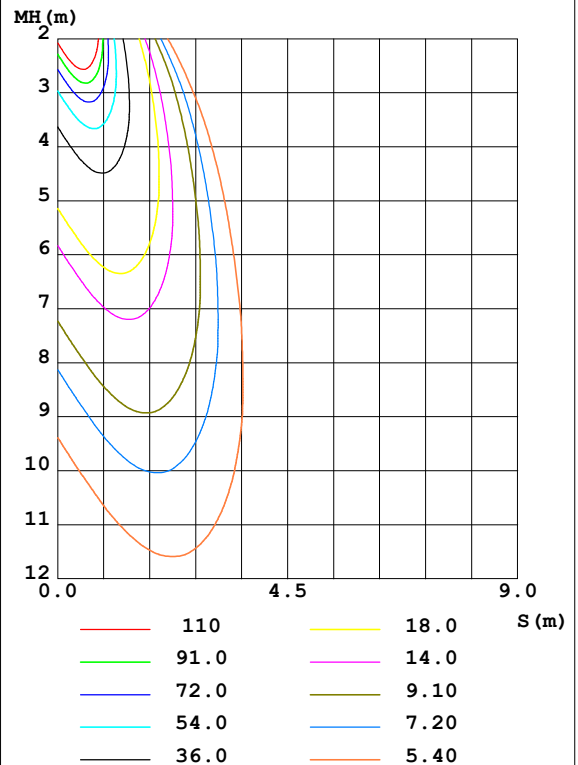
Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.41 lm/W			
MODEL	3535	I _{max} (cd)	783.8	S/MH (C0/180)	0.49
NOMINAL POWER (W)	23	LOR (%)	100.0	S/MH (C90/270)	0.71
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	472.16	η UP, DN (C0-180)	1.7, 59.3
NOMINAL FLUX (lm)	472.15	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 37.6
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	24	η down (%)	96.9	CIBSE SHR MAX	0.65

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	756.2	679.7	480.6	352.0	299.5	305.8	366.8	541.5	0- 10	44.82	44.82	9.49,9.49
20	609.6	590.2	384.6	239.0	190.6	197.7	264.5	436.0	10- 20	120.9	165.8	35.1,35.1
30	294.6	330.8	192.9	100.4	78.96	91.71	122.9	198.7	20- 30	120.9	286.7	60.7,60.7
40	133.1	177.7	79.31	43.22	36.26	41.09	51.30	76.63	30- 40	75.86	362.5	76.8,76.8
50	52.25	69.99	37.69	24.95	21.99	24.43	28.28	35.96	40- 50	43.28	405.8	85.9,86
60	24.37	28.29	21.46	16.06	14.34	15.50	17.42	20.57	50- 60	24.43	430.2	91.1,91.1
70	14.16	14.80	12.34	9.645	8.306	8.763	10.03	12.07	60- 70	15.06	445.3	94.3,94.3
80	7.992	7.683	5.614	4.464	3.403	3.525	4.100	5.917	70- 80	8.619	453.9	96.1,96.1
90	3.482	2.933	1.779	2.189	1.483	1.289	0.5883	1.545	80- 90	3.628	457.6	96.9,96.9
100	2.041	1.963	1.813	2.106	1.674	1.508	0.8289	0.7657	90-100	1.794	459.3	97.3,97.3
110	1.940	1.920	1.845	2.117	2.061	1.895	1.241	0.9801	100-110	1.747	461.1	97.7,97.7
120	1.943	1.952	2.016	2.367	2.644	2.432	1.764	1.372	110-120	1.869	463.0	98.1,98.1
130	2.080	2.163	2.398	2.872	3.162	2.933	2.361	1.880	120-130	2.018	465.0	98.5,98.5
140	2.522	2.606	2.936	3.450	3.503	3.294	2.844	2.478	130-140	2.095	467.1	98.9,98.9
150	3.231	3.214	3.473	3.848	3.709	3.518	3.161	2.998	140-150	1.995	469.1	99.3,99.3
160	3.889	3.759	3.840	3.935	3.790	3.689	3.397	3.297	150-160	1.641	470.7	99.7,99.7
170	4.302	4.103	4.001	3.848	3.961	3.915	3.699	3.518	160-170	1.072	471.8	99.9,99.9
180	4.377	4.207	4.061	3.827	4.322	4.202	4.011	3.815	170-180	0.3783	472.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 387.42 lm

%lum = 82.1%

%lamp = 82.1%

Conical surface Flux(120deg): 430.24 lm

%lum = 91.1%

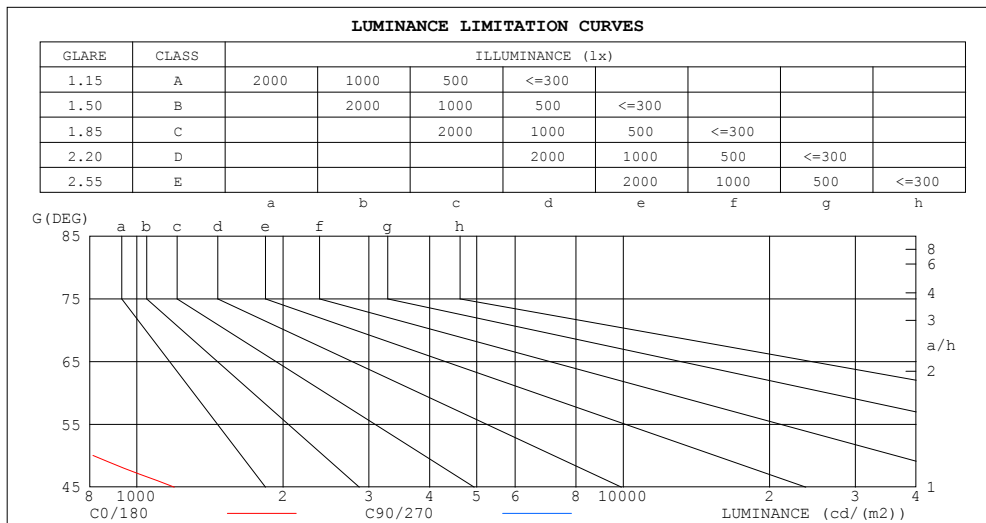
%lamp = 91.1%

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:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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	633	344
80	460	323
75	419	338
70	414	361
65	436	390
60	487	429
55	596	489
50	813	586
45	1194	751

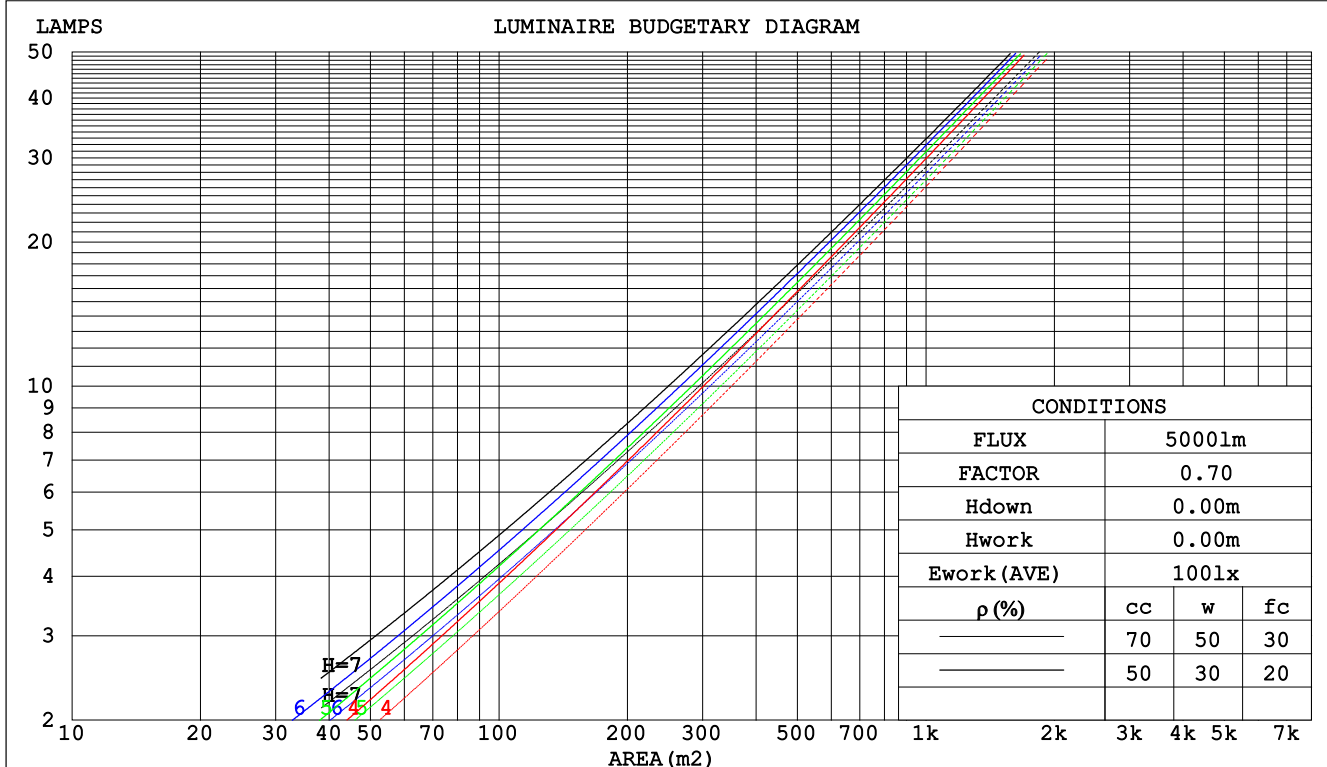
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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	1.05	1.03	1.06	1.03	1.01	1.01	.99	.97	.97	.95	.93	.93	.91	.90	.88
2.0	.99	.94	.90	.97	.93	.89	.93	.90	.87	.90	.87	.84	.87	.84	.82	.80
3.0	.91	.85	.81	.90	.84	.80	.86	.82	.78	.84	.80	.77	.81	.78	.75	.73
4.0	.84	.78	.73	.83	.77	.73	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.78	.72	.67	.77	.71	.66	.75	.70	.66	.73	.68	.65	.71	.67	.64	.62
6.0	.73	.66	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.67	.63	.59	.58
7.0	.68	.62	.57	.67	.61	.57	.66	.60	.56	.64	.59	.56	.63	.59	.55	.54
8.0	.64	.58	.53	.63	.57	.53	.62	.56	.53	.61	.56	.52	.59	.55	.52	.50
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.57	.52	.49	.56	.52	.49	.47
10.0	.57	.51	.47	.56	.51	.47	.55	.50	.46	.54	.49	.46	.53	.49	.46	.44



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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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	.213	.121	.038	.205	.117	.037	.191	.110	.035	.178	.102	.033	.165	.096	.031	
2.0	.201	.110	.034	.195	.107	.033	.182	.101	.031	.171	.096	.030	.160	.090	.029	
3.0	.189	.101	.030	.183	.098	.030	.172	.093	.028	.162	.089	.027	.153	.085	.026	
4.0	.178	.092	.027	.173	.090	.027	.163	.086	.026	.154	.083	.025	.146	.079	.024	
5.0	.167	.085	.025	.163	.084	.024	.154	.080	.024	.146	.077	.023	.139	.074	.022	
6.0	.158	.079	.023	.154	.078	.022	.146	.075	.022	.139	.072	.021	.133	.070	.021	
7.0	.149	.074	.021	.146	.073	.021	.139	.070	.020	.133	.068	.020	.127	.066	.019	
8.0	.142	.069	.019	.138	.068	.019	.132	.066	.019	.127	.064	.018	.121	.062	.018	
9.0	.135	.065	.018	.132	.064	.018	.126	.062	.018	.121	.061	.017	.116	.059	.017	
10.0	.128	.061	.017	.126	.061	.017	.121	.059	.017	.116	.058	.016	.111	.056	.016	

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	.197	.181	.166	.169	.155	.143	.116	.107	.099	.066	.062	.057	.021	.020	.019	
2.0	.184	.156	.133	.158	.135	.115	.108	.093	.080	.062	.054	.047	.020	.018	.015	
3.0	.173	.138	.110	.148	.119	.095	.102	.083	.067	.059	.048	.039	.019	.016	.013	
4.0	.163	.124	.093	.140	.107	.081	.096	.074	.057	.056	.044	.034	.018	.014	.011	
5.0	.155	.112	.081	.133	.097	.070	.092	.068	.050	.053	.040	.029	.017	.013	.010	
6.0	.148	.103	.072	.127	.089	.062	.088	.063	.044	.051	.037	.026	.016	.012	.009	
7.0	.141	.096	.064	.121	.083	.056	.084	.058	.040	.049	.034	.024	.016	.011	.008	
8.0	.135	.090	.059	.116	.078	.051	.081	.055	.036	.047	.032	.022	.015	.011	.007	
9.0	.130	.085	.054	.112	.074	.047	.078	.052	.034	.045	.031	.020	.015	.010	.007	
10.0	.125	.080	.051	.108	.070	.044	.075	.049	.031	.044	.029	.019	.014	.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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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	14.3	15.3	14.6	15.6	15.8	13.1	14.1	13.4	14.4	14.6
3H	14.6	15.5	14.9	15.8	16.1	13.4	14.4	13.7	14.7	14.9
4H	14.7	15.6	15.1	15.9	16.2	13.6	14.5	13.9	14.8	15.1
6H	14.9	15.8	15.3	16.1	16.4	13.7	14.6	14.1	14.9	15.2
8H	15.0	15.9	15.4	16.2	16.5	13.8	14.6	14.2	14.9	15.3
12H	15.1	15.9	15.5	16.3	16.6	13.8	14.6	14.2	15.0	15.3
4H 2H	14.3	15.2	14.6	15.5	15.8	13.2	14.1	13.5	14.4	14.7
3H	14.7	15.5	15.1	15.8	16.2	13.7	14.5	14.1	14.9	15.2
4H	15.0	15.7	15.4	16.1	16.5	14.0	14.7	14.4	15.1	15.5
6H	15.3	16.0	15.8	16.4	16.8	14.3	14.9	14.7	15.3	15.7
8H	15.5	16.1	16.0	16.5	17.0	14.4	15.0	14.8	15.4	15.8
12H	15.7	16.3	16.2	16.7	17.2	14.5	15.0	15.0	15.5	15.9
8H 4H	15.1	15.7	15.5	16.1	16.5	14.1	14.7	14.6	15.2	15.6
6H	15.5	16.0	16.0	16.5	17.0	14.6	15.1	15.0	15.5	16.0
8H	15.8	16.3	16.3	16.7	17.3	14.8	15.2	15.3	15.7	16.2
12H	16.2	16.6	16.7	17.1	17.6	15.0	15.3	15.5	15.8	16.4
12H 4H	15.0	15.6	15.5	16.0	16.5	14.2	14.7	14.6	15.1	15.6
6H	15.6	16.0	16.1	16.5	17.0	14.6	15.1	15.1	15.5	16.0
8H	15.9	16.3	16.4	16.8	17.3	14.9	15.2	15.4	15.7	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.5					+ 1.4 / - 1.3				
1.5H	+ 1.5 / - 1.5					+ 1.3 / - 1.6				
2.0H	+ 1.9 / - 1.3					+ 1.4 / - 1.2				

CIE Pub.117, 472.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.6)

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

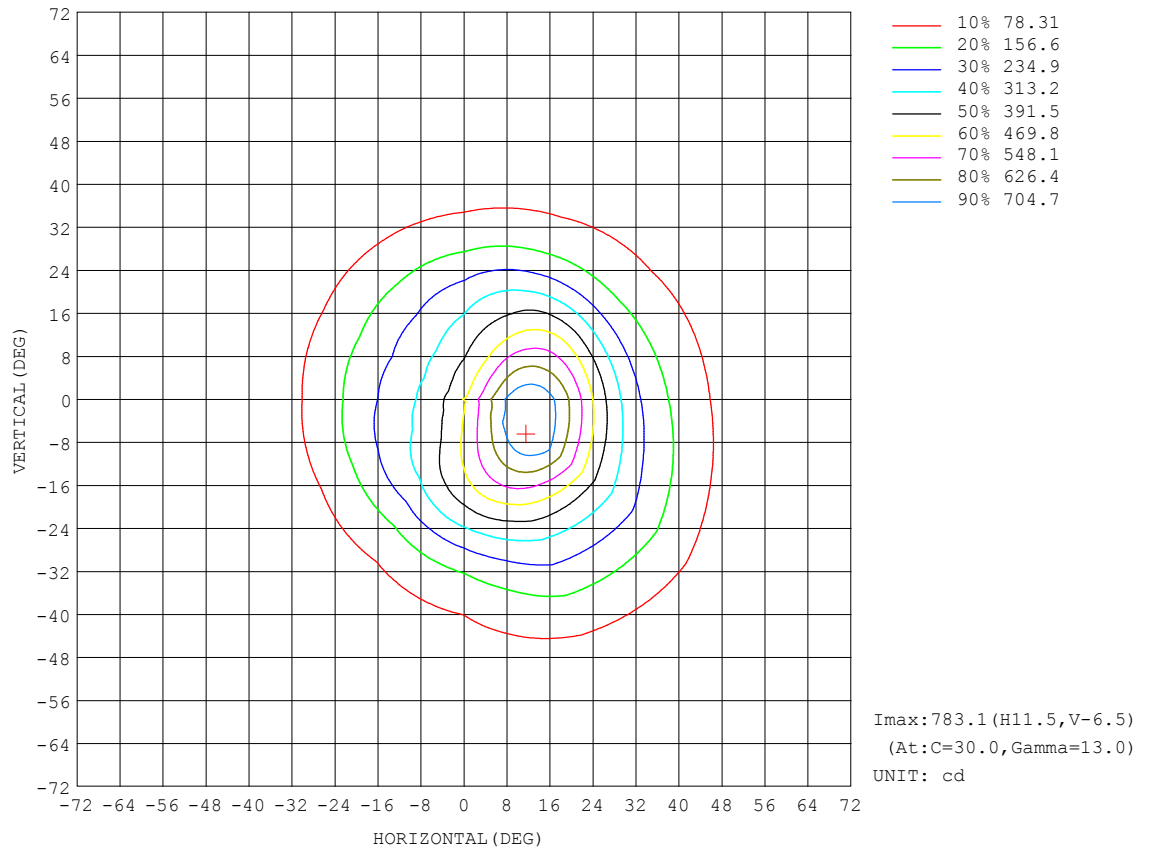
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	64	76	69	64	75	68	64	59
0.80	85	78	73	85	77	73	83	77	72	67
1.00	91	84	79	90	83	79	88	83	78	73
1.25	96	89	85	95	89	84	92	87	83	78
1.50	100	93	89	98	92	88	95	90	87	81
2.00	104	98	94	102	97	93	98	94	91	84
2.50	106	101	97	104	99	96	100	96	94	86
3.00	108	103	100	106	102	99	102	99	96	88
4.00	111	107	104	108	105	102	104	101	99	91
5.00	112	109	106	110	107	105	105	103	101	92
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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

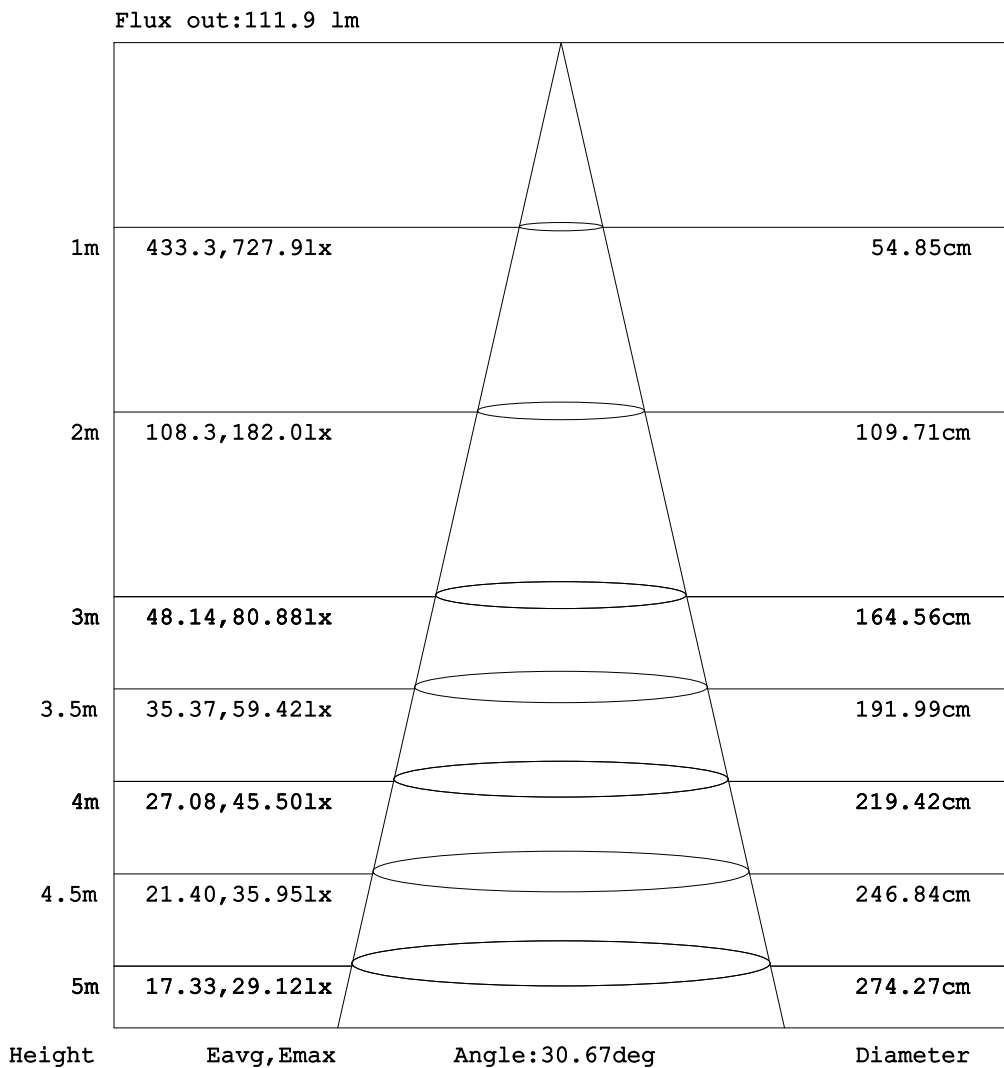


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-26

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:



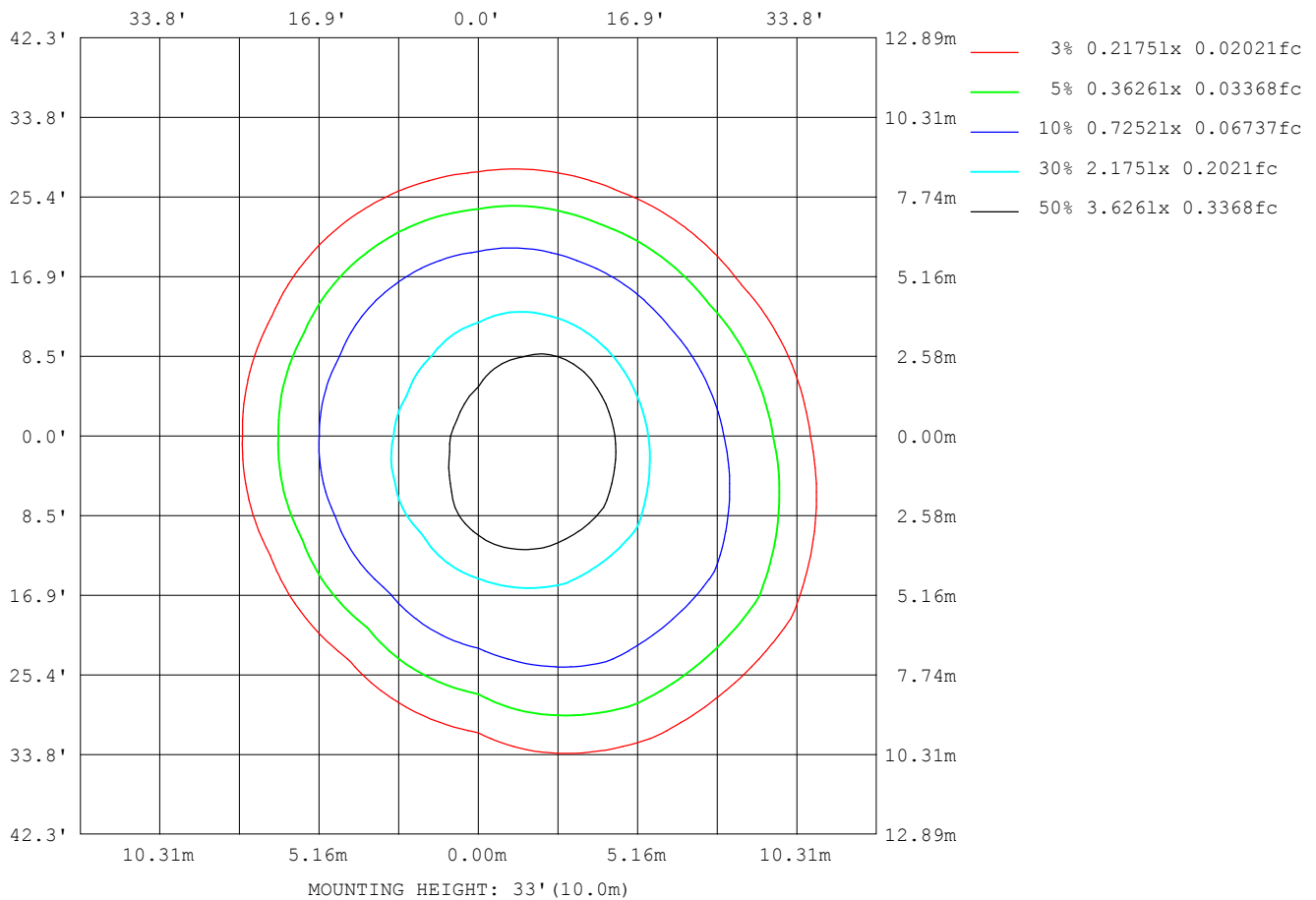
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
SPEC.:	DIM.: 18.5MM*18.5MM	SERIAL No.:
MFR.:	SUR.:1.0*0.0185	Shielding Angle:

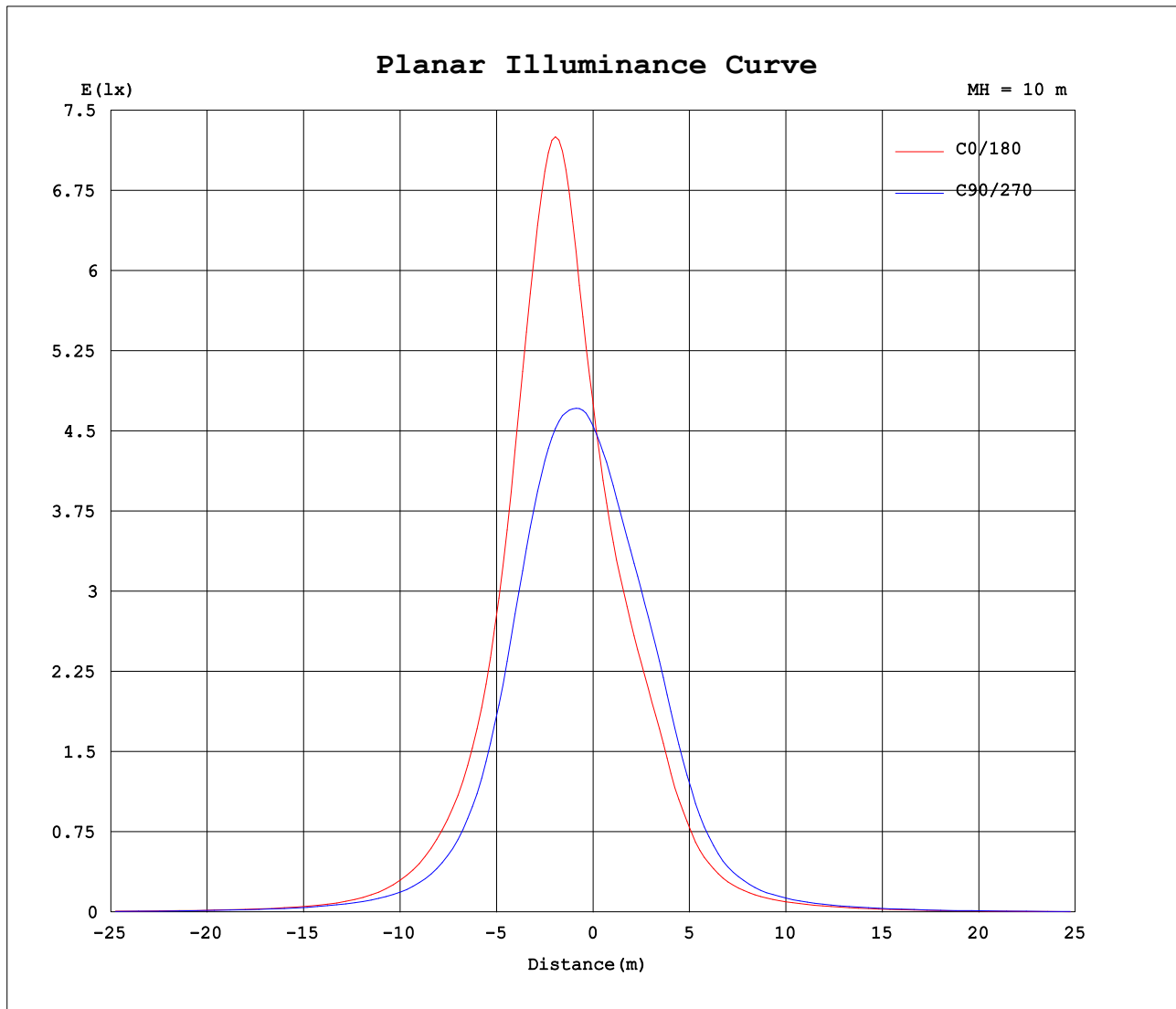
AvgL	cd/m2
L_0~180 (65) av	350
L_0~180 (75) av	319
L_0~180 (85) av	424
L_90~270 (65) av	355
L_90~270 (75) av	302
L_90~270 (85) av	276
L_45 (65) av	359
L_45 (75) av	314
L_45 (85) av	374

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:472.15x1 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	476	463	462	455	457	464	476	463	462	455	457	464						
5	624	603	548	477	418	382	368	361	381	415	475	557						
10	756	746	613	481	380	324	300	294	317	367	465	618						
15	743	775	610	453	336	272	246	240	265	321	426	592						
20	610	654	526	385	264	214	191	185	211	264	367	505						
25	436	491	407	286	182	141	128	127	153	191	270	363						
30	295	356	306	193	114	86.6	79.0	82.9	100	123	169	228						
35	199	263	228	124	71.4	55.1	51.5	53.8	64.7	76.7	101	139						
40	133	192	163	79.3	48.0	38.5	36.3	37.8	44.4	51.3	65.2	88.0						
45	84.4	126	105	53.1	34.7	29.0	27.5	28.9	32.9	37.2	44.9	57.2						
50	52.3	75.9	64.1	37.7	26.7	23.2	22.0	23.3	25.6	28.3	32.9	39.0						
55	34.2	45.4	40.4	28.1	21.2	18.9	17.8	18.8	20.4	22.1	25.3	28.2						
60	24.4	29.2	27.3	21.5	16.8	15.3	14.3	14.9	16.1	17.4	19.8	21.3						
65	18.4	20.5	19.7	16.5	13.2	12.2	11.2	11.5	12.4	13.5	15.4	16.3						
70	14.2	15.2	14.4	12.3	9.95	9.34	8.31	8.46	9.07	10.0	11.7	12.5						
75	10.8	11.3	10.5	8.74	7.07	6.70	5.66	5.74	6.13	6.89	8.38	9.19						
80	7.99	8.19	7.18	5.61	4.52	4.40	3.40	3.44	3.61	4.10	5.49	6.35						
85	5.52	5.53	4.45	3.00	2.62	2.80	1.87	1.86	1.72	1.82	3.00	3.91						
90	3.48	3.39	2.48	1.78	2.08	2.30	1.48	1.45	1.13	0.59	1.18	1.91						
95	2.30	2.19	1.97	1.80	2.03	2.24	1.55	1.49	1.22	0.68	0.69	0.87						
100	2.04	1.99	1.94	1.81	1.99	2.23	1.67	1.65	1.37	0.83	0.76	0.77						
105	1.99	1.96	1.91	1.82	1.97	2.22	1.83	1.80	1.55	1.02	0.88	0.80						
110	1.94	1.94	1.90	1.84	1.98	2.26	2.06	2.04	1.75	1.24	1.04	0.92						
115	1.93	1.94	1.92	1.91	2.04	2.37	2.34	2.31	2.00	1.49	1.24	1.08						
120	1.94	1.97	1.93	2.02	2.18	2.56	2.64	2.60	2.27	1.76	1.47	1.28						
125	1.96	2.03	2.02	2.18	2.39	2.82	2.93	2.85	2.54	2.06	1.72	1.50						
130	2.08	2.15	2.18	2.40	2.64	3.11	3.16	3.09	2.78	2.36	2.02	1.74						
135	2.27	2.33	2.39	2.65	2.92	3.41	3.35	3.27	3.00	2.61	2.31	2.02						
140	2.52	2.56	2.65	2.94	3.22	3.68	3.50	3.41	3.18	2.84	2.60	2.35						
145	2.86	2.87	2.94	3.22	3.49	3.91	3.63	3.53	3.32	3.03	2.86	2.66						
150	3.23	3.19	3.24	3.47	3.69	4.00	3.71	3.60	3.43	3.16	3.07	2.93						
155	3.59	3.51	3.50	3.69	3.82	4.02	3.76	3.68	3.53	3.28	3.22	3.13						
160	3.89	3.79	3.72	3.84	3.89	3.98	3.79	3.74	3.63	3.40	3.33	3.27						
165	4.13	4.03	3.90	3.93	3.90	3.87	3.84	3.81	3.77	3.55	3.43	3.38						
170	4.30	4.20	4.01	4.00	3.90	3.79	3.96	3.91	3.92	3.70	3.55	3.49						
175	4.39	4.27	4.09	4.05	3.90	3.78	4.17	4.07	4.07	3.88	3.71	3.59						
180	4.38	4.27	4.14	4.06	3.88	3.77	4.32	4.23	4.18	4.01	3.88	3.75						

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	475.9	463.2	462.0	454.6	457.0	464.3	475.9	463.2	462.0	454.6
3.0	559.0	543.3	514.5	471.4	434.5	412.6	405.4	394.8	409.2	432.0
6.0	656.7	635.9	563.2	478.7	408.9	369.0	351.9	345.9	366.8	405.5
9.0	738.8	722.5	603.5	481.9	387.3	334.8	311.7	306.0	327.9	376.4
12.0	771.5	777.8	622.2	474.4	364.0	303.0	276.1	269.6	294.8	348.6
15.0	743.4	774.8	609.7	453.5	335.6	272.4	246.0	239.6	264.5	320.8
18.0	672.5	716.2	568.0	418.5	295.9	240.9	214.1	206.6	233.9	289.6
21.0	576.2	619.1	502.0	367.7	248.0	198.9	177.1	173.2	199.3	250.0
24.0	469.0	523.3	430.8	307.9	198.3	156.1	138.4	139.7	164.3	205.8
27.0	374.9	429.9	365.8	248.2	152.6	115.5	105.9	106.3	130.7	162.7
30.0	294.6	355.9	305.8	192.9	114.3	86.55	78.96	82.93	100.5	122.9
33.0	232.8	298.4	258.2	148.6	85.68	64.90	60.79	62.99	76.26	92.31
36.0	184.0	249.8	213.8	112.5	65.46	50.99	47.71	49.74	59.76	70.62
39.0	145.0	205.6	176.5	86.80	51.63	40.90	38.71	40.24	47.71	55.50
42.0	110.8	164.0	137.4	67.41	41.72	34.09	32.25	33.60	39.09	44.65
45.0	84.39	125.7	105.1	53.09	34.73	29.05	27.54	28.89	32.85	37.18
48.0	63.00	92.63	78.00	42.94	29.55	25.24	23.92	25.33	28.18	31.42
51.0	47.74	68.43	58.33	35.38	25.49	22.22	21.05	22.29	24.45	26.90
54.0	36.94	49.93	44.09	29.72	22.18	19.60	18.59	19.70	21.31	23.24
57.0	29.50	37.56	34.20	25.15	19.34	17.36	16.37	17.22	18.59	20.12
60.0	24.37	29.25	27.32	21.46	16.84	15.28	14.34	14.90	16.10	17.42
63.0	20.51	23.59	22.32	18.32	14.57	13.33	12.42	12.78	13.82	15.10
66.0	17.44	19.26	18.50	15.55	12.50	11.58	10.53	10.78	11.64	12.81
69.0	14.92	16.12	15.37	13.14	10.57	9.896	8.869	8.990	9.708	10.73
72.0	12.75	13.56	12.74	10.85	8.777	8.262	7.201	7.253	7.838	8.821
75.0	10.84	11.28	10.47	8.740	7.068	6.701	5.659	5.739	6.126	6.891
78.0	9.073	9.403	8.416	6.820	5.489	5.288	4.232	4.286	4.553	5.251
81.0	7.459	7.579	6.600	5.051	4.080	4.022	3.017	3.049	3.176	3.592
84.0	5.977	6.036	4.947	3.453	2.899	3.033	2.098	2.078	2.022	2.251
87.0	4.629	4.545	3.528	2.179	2.223	2.467	1.557	1.564	1.260	1.089
90.0	3.482	3.390	2.476	1.779	2.076	2.302	1.483	1.452	1.126	0.5883
93.0	2.646	2.501	2.021	1.799	2.041	2.246	1.513	1.473	1.171	0.6180
96.0	2.198	2.105	1.960	1.805	2.010	2.237	1.578	1.517	1.247	0.7034
99.0	2.061	2.000	1.945	1.811	1.985	2.230	1.644	1.593	1.327	0.7938
102.0	2.010	1.975	1.926	1.817	1.977	2.223	1.734	1.693	1.433	0.9043
105.0	1.985	1.960	1.914	1.819	1.974	2.216	1.835	1.799	1.548	1.020
108.0	1.950	1.939	1.903	1.829	1.977	2.232	1.961	1.964	1.664	1.150
111.0	1.935	1.937	1.905	1.855	1.979	2.277	2.111	2.085	1.795	1.291
114.0	1.925	1.935	1.915	1.885	2.000	2.342	2.277	2.251	1.951	1.437
117.0	1.934	1.950	1.925	1.945	2.075	2.443	2.463	2.417	2.111	1.583
120.0	1.943	1.970	1.935	2.016	2.176	2.558	2.644	2.598	2.267	1.764
123.0	1.952	2.005	1.980	2.111	2.296	2.704	2.820	2.744	2.428	1.954
126.0	1.985	2.051	2.040	2.222	2.437	2.865	2.976	2.894	2.589	2.110
129.0	2.055	2.126	2.141	2.352	2.598	3.046	3.117	3.035	2.744	2.296
132.0	2.146	2.212	2.261	2.498	2.758	3.222	3.242	3.161	2.875	2.452
135.0	2.271	2.327	2.392	2.654	2.919	3.408	3.353	3.266	2.996	2.613
138.0	2.412	2.458	2.537	2.825	3.095	3.574	3.448	3.352	3.111	2.759
141.0	2.592	2.619	2.703	2.991	3.271	3.735	3.533	3.432	3.207	2.884
144.0	2.789	2.800	2.874	3.162	3.432	3.870	3.604	3.508	3.297	3.000
147.0	3.010	2.991	3.060	3.322	3.573	3.966	3.664	3.568	3.363	3.086
150.0	3.231	3.187	3.241	3.473	3.694	4.002	3.709	3.603	3.433	3.161
153.0	3.447	3.388	3.392	3.604	3.774	4.011	3.744	3.659	3.498	3.236
156.0	3.648	3.569	3.553	3.719	3.839	4.021	3.769	3.689	3.553	3.307
159.0	3.834	3.745	3.679	3.805	3.890	3.990	3.789	3.734	3.614	3.367
162.0	3.995	3.895	3.814	3.875	3.896	3.935	3.805	3.769	3.684	3.442
165.0	4.126	4.026	3.900	3.930	3.901	3.875	3.845	3.810	3.770	3.553
168.0	4.232	4.136	3.975	3.975	3.903	3.799	3.910	3.865	3.855	3.638
171.0	4.312	4.212	4.040	4.016	3.903	3.789	4.001	3.950	3.951	3.739
174.0	4.387	4.267	4.076	4.041	3.904	3.779	4.127	4.055	4.041	3.830
177.0	4.392	4.272	4.111	4.061	3.905	3.769	4.262	4.141	4.126	3.935
180.0	4.377	4.272	4.141	4.061	3.885	3.769	4.322	4.227	4.176	4.011
G/C	300.0	330.0								
0.0	457.0	464.3								
3.0	471.6	518.3								
6.0	475.0	574.3								
9.0	468.9	611.6								
12.0	453.1	617.6								
15.0	426.0	591.6								
18.0	394.0	545.4								
21.0	351.4	479.6								
24.0	291.3	393.0								
27.0	227.3	303.8								
30.0	169.1	228.2								

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

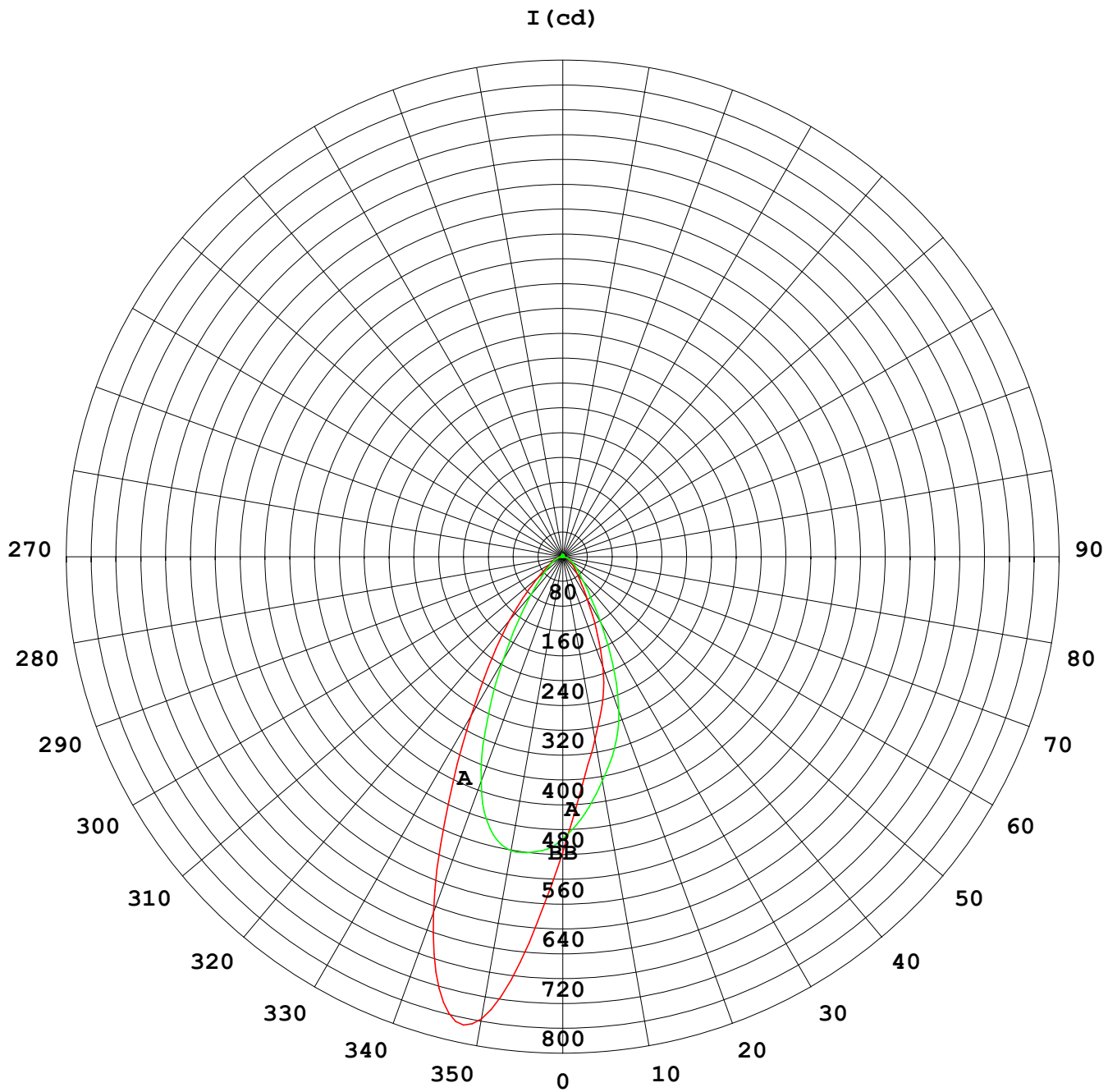
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	124.3	167.2
36.0	92.38	126.3
39.0	70.77	96.09
42.0	55.62	73.95
45.0	44.89	57.15
48.0	37.13	44.99
51.0	31.19	36.34
54.0	26.55	30.05
57.0	22.85	25.16
60.0	19.81	21.32
63.0	17.08	18.14
66.0	14.57	15.43
69.0	12.39	13.15
72.0	10.30	10.99
75.0	8.377	9.187
78.0	6.613	7.443
81.0	4.959	5.854
84.0	3.462	4.337
87.0	2.167	2.994
90.0	1.183	1.908
93.0	0.6835	1.142
96.0	0.6938	0.8097
99.0	0.7440	0.7706
102.0	0.7994	0.7756
105.0	0.8798	0.7989
108.0	0.9653	0.8693
111.0	1.071	0.9496
114.0	1.187	1.045
117.0	1.327	1.161
120.0	1.468	1.276
123.0	1.609	1.407
126.0	1.775	1.533
129.0	1.956	1.688
132.0	2.132	1.859
135.0	2.308	2.025
138.0	2.488	2.221
141.0	2.659	2.432
144.0	2.815	2.603
147.0	2.951	2.774
150.0	3.066	2.930
153.0	3.162	3.065
156.0	3.237	3.166
159.0	3.307	3.251
162.0	3.367	3.327
165.0	3.428	3.377
168.0	3.498	3.442
171.0	3.579	3.493
174.0	3.669	3.573
177.0	3.785	3.648
180.0	3.880	3.749

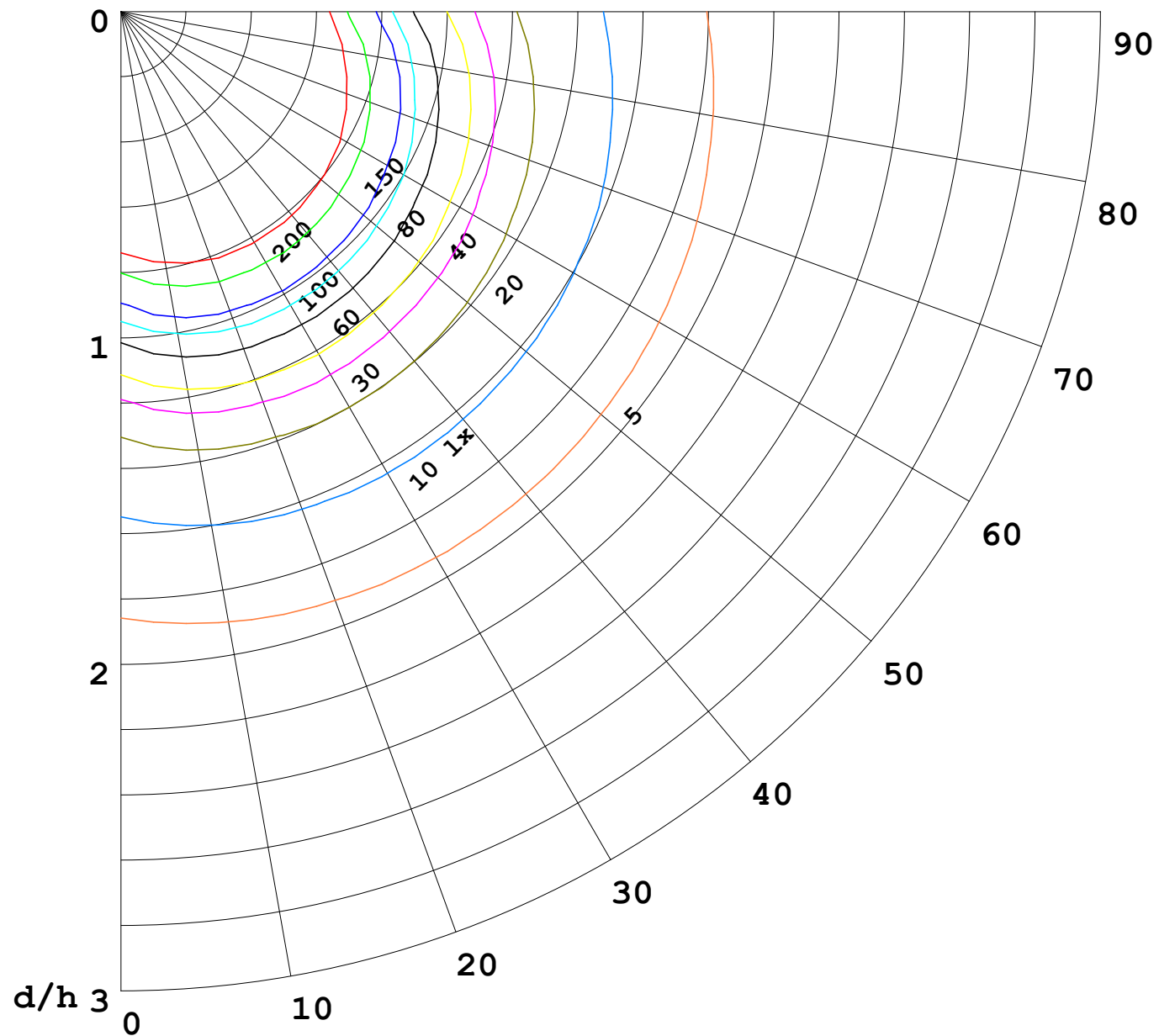
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:



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

