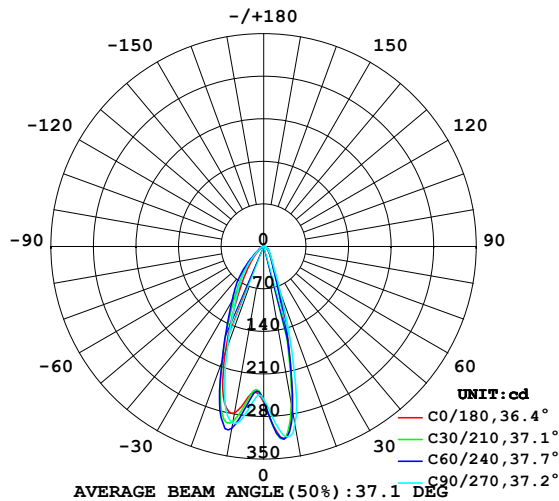


LUMINAIRE PHOTOMETRIC TEST REPORT

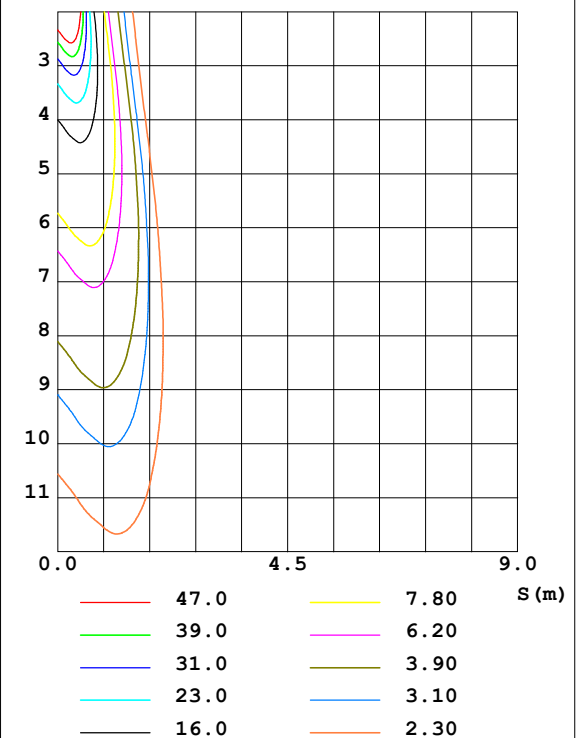
Test:U:24.00V I:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 27.51 lm/W			
MODEL	3535	I _{max} (cd)	318.9	S/MH (C0/180)	0.51
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	0.53
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	183.50	η UP, DN (C0-180)	1.8, 39.2
NOMINAL FLUX (lm)	183.498	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.2, 57.7
LAMPS INSIDE	1	η up (%)	3.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	24.0	η down (%)	97.0	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



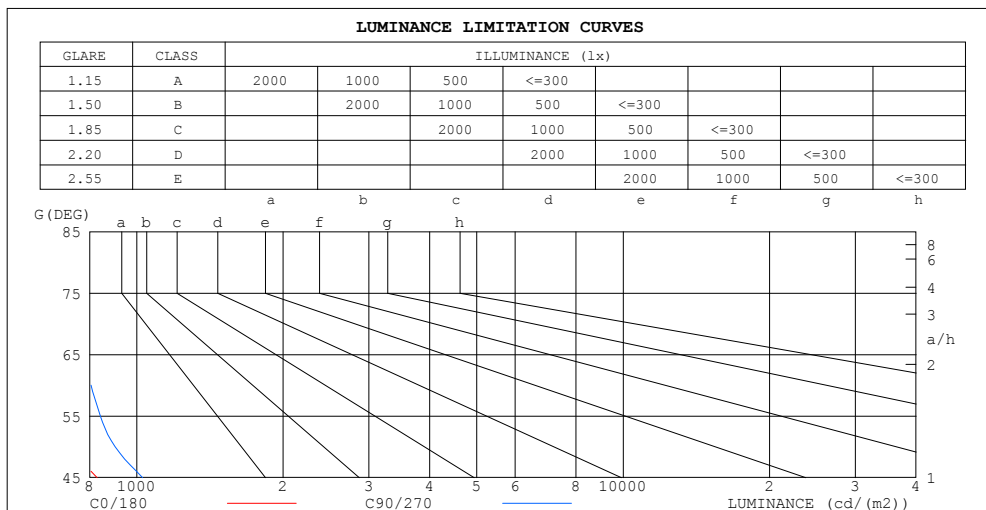
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-19

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 AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	266.1	268.6	296.9	293.9	278.0	298.0	295.3	290.0	0- 10	27.19	27.19	14.8,14.8
20	72.34	63.38	82.57	140.4	185.2	200.6	173.3	122.8	10- 20	57.54	84.74	46.2,46.2
30	25.46	25.20	28.98	42.30	74.95	100.3	84.78	44.01	20- 30	37.96	122.7	66.9,66.9
40	14.18	15.59	16.73	18.91	32.53	52.48	42.88	20.45	30- 40	23.76	146.5	79.8,79.8
50	8.849	10.50	10.74	10.38	11.95	17.48	14.57	10.12	40- 50	14.10	160.6	87.5,87.5
60	6.491	7.913	7.456	6.662	6.098	7.386	7.079	6.244	50- 60	8.039	168.6	91.9,91.9
70	4.139	4.664	4.526	3.993	3.329	3.776	3.807	3.583	60- 70	5.359	174.0	94.8,94.8
80	2.068	2.194	2.109	1.925	1.280	1.347	1.384	1.457	70- 80	2.947	176.9	96.4,96.4
90	0.7695	0.7642	0.7589	0.7414	0.1559	0.1835	0.1811	0.2415	80- 90	1.058	178.0	97,97
100	0.6886	0.7213	0.7639	0.7262	0.2513	0.2387	0.2361	0.2814	90-100	0.5164	178.5	97.3,97.3
110	0.6935	0.7538	0.7892	0.7137	0.3670	0.3493	0.3516	0.4171	100-110	0.5458	179.0	97.6,97.6
120	0.7938	0.9170	0.9400	0.7890	0.5581	0.5377	0.5326	0.6582	110-120	0.6196	179.6	97.9,97.9
130	1.080	1.186	1.201	1.020	0.8497	0.8041	0.7988	0.9223	120-130	0.7535	180.4	98.3,98.3
140	1.407	1.500	1.498	1.332	1.141	1.088	1.080	1.211	130-140	0.8734	181.3	98.8,98.8
150	1.653	1.696	1.714	1.636	1.367	1.337	1.327	1.402	140-150	0.8811	182.1	99.3,99.3
160	1.749	1.729	1.739	1.797	1.508	1.485	1.447	1.503	150-160	0.7287	182.9	99.7,99.7
170	1.684	1.691	1.734	1.809	1.543	1.563	1.553	1.571	160-170	0.4641	183.3	99.9,99.9
180	1.623	1.669	1.714	1.749	1.578	1.641	1.699	1.731	170-180	0.1587	183.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	821	766
80	644	656
75	632	677
70	654	715
65	680	764
60	702	806
55	716	841
50	744	903
45	829	1028

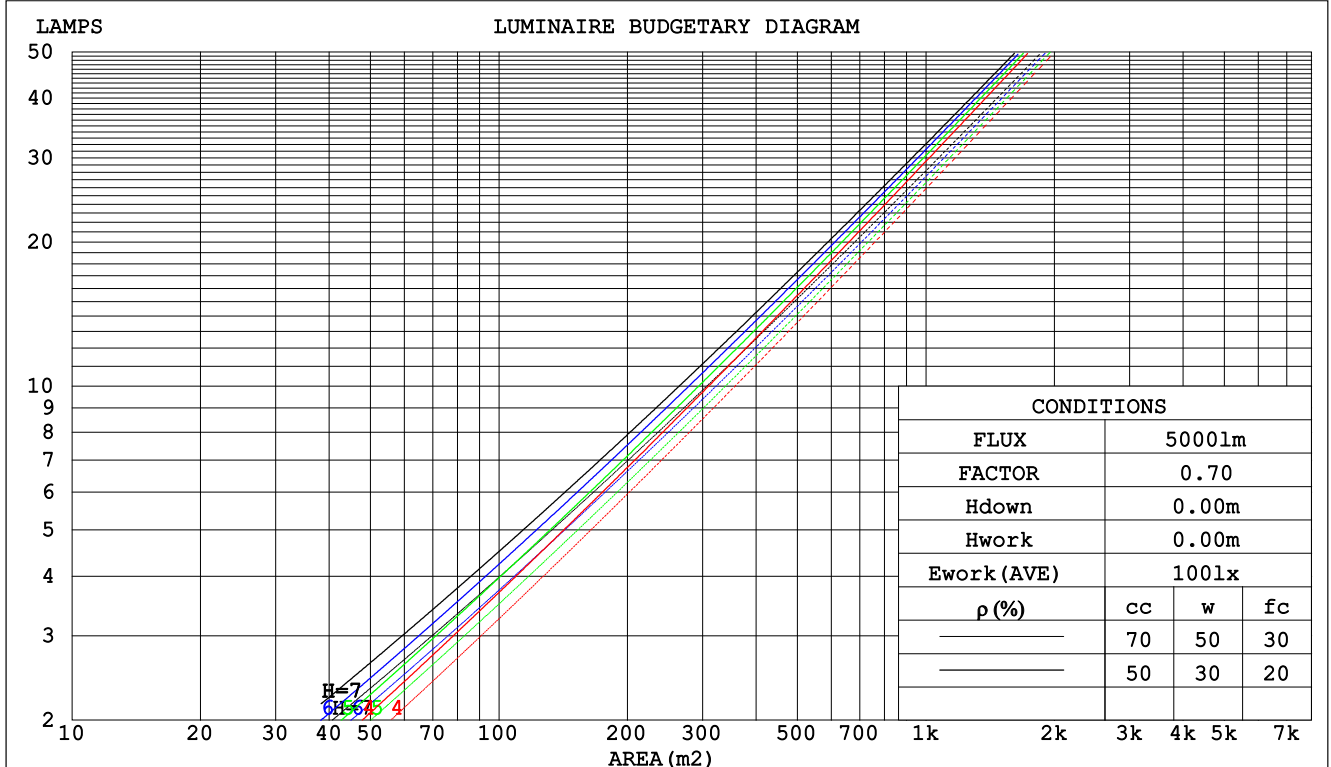
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION 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	1.09	1.06	1.04	1.06	1.04	1.02	1.02	.00	.98	.98	.96	.95	.94	.92	.91	.89
2.0	1.01	.96	.92	.99	.95	.91	.95	.92	.89	.91	.89	.86	.88	.86	.84	.82
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.81	.86	.82	.80	.83	.80	.78	.76
4.0	.87	.81	.77	.86	.80	.76	.83	.79	.75	.81	.77	.74	.79	.75	.73	.71
5.0	.82	.76	.71	.80	.75	.71	.78	.73	.70	.76	.72	.69	.74	.71	.68	.66
6.0	.77	.71	.66	.76	.70	.66	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.72	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.67	.63	.60	.59
8.0	.69	.63	.58	.68	.62	.58	.67	.61	.58	.65	.61	.57	.64	.60	.57	.56
9.0	.65	.59	.55	.65	.59	.55	.63	.58	.55	.62	.58	.54	.61	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.59	.54	.51	.50



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm								
NAME: LED Wall Grazer				TYPE:			WEIGHT:	
DIM.: 18.5MM*18.5MM				SPEC.:			SERIAL No.:	
MFR.:				SUR.:1*0.0185			PROTECTION 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	.199	.113	.036	.191	.109	.035	.177	.101	.032	.164	.094	.030	.151	.088	.028	
2.0	.187	.103	.031	.181	.100	.031	.168	.094	.029	.157	.088	.028	.146	.083	.026	
3.0	.175	.093	.028	.170	.091	.027	.159	.086	.026	.149	.082	.025	.140	.078	.024	
4.0	.165	.086	.025	.160	.084	.025	.150	.080	.024	.142	.076	.023	.134	.073	.022	
5.0	.155	.079	.023	.150	.077	.022	.142	.074	.022	.135	.071	.021	.127	.068	.020	
6.0	.146	.073	.021	.142	.072	.021	.135	.069	.020	.128	.067	.020	.122	.064	.019	
7.0	.138	.068	.019	.135	.067	.019	.128	.065	.019	.122	.063	.018	.116	.060	.018	
8.0	.131	.064	.018	.128	.063	.018	.122	.061	.017	.116	.059	.017	.111	.057	.017	
9.0	.124	.060	.017	.122	.059	.017	.116	.057	.016	.111	.056	.016	.107	.054	.016	
10.0	.118	.057	.016	.116	.056	.016	.111	.054	.015	.107	.053	.015	.102	.051	.015	

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	.196	.180	.166	.168	.155	.143	.115	.106	.099	.066	.062	.058	.021	.020	.019	
2.0	.182	.156	.134	.156	.134	.116	.107	.093	.081	.061	.054	.047	.020	.017	.015	
3.0	.170	.137	.111	.146	.118	.096	.100	.082	.068	.058	.048	.040	.019	.016	.013	
4.0	.160	.123	.094	.137	.106	.082	.094	.074	.058	.054	.043	.034	.018	.014	.011	
5.0	.151	.111	.082	.129	.096	.071	.089	.067	.050	.052	.039	.030	.017	.013	.010	
6.0	.143	.102	.073	.123	.088	.063	.085	.062	.045	.049	.036	.027	.016	.012	.009	
7.0	.136	.095	.065	.117	.082	.057	.081	.057	.040	.047	.034	.024	.015	.011	.008	
8.0	.130	.088	.060	.112	.077	.052	.078	.054	.037	.045	.032	.022	.015	.010	.007	
9.0	.125	.083	.055	.107	.072	.048	.074	.051	.034	.043	.030	.020	.014	.010	.007	
10.0	.120	.079	.051	.103	.068	.045	.072	.048	.032	.042	.028	.019	.014	.009	.006	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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:

Uncorrected UGR Table

Test:U:24.00V I:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm										
NAME: LED Wall Grazer					TYPE:			WEIGHT:		
DIM.: 18.5MM*18.5MM					SPEC.:			SERIAL No.:		
MFR.:					SUR.:1*0.0185			PROTECTION 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	7.6	8.5	7.8	8.8	9.0	8.3	9.3	8.6	9.5	9.7
3H	8.9	9.8	9.2	10.1	10.3	9.6	10.5	9.9	10.8	11.0
4H	9.5	10.4	9.8	10.6	10.9	10.2	11.0	10.5	11.3	11.6
6H	10.0	10.8	10.4	11.1	11.4	10.6	11.4	11.0	11.7	12.0
8H	10.2	11.0	10.6	11.3	11.6	10.8	11.6	11.2	11.9	12.2
12H	10.4	11.2	10.8	11.5	11.8	11.0	11.7	11.3	12.0	12.4
4H 2H	8.3	9.2	8.6	9.4	9.7	8.9	9.7	9.2	10.0	10.3
3H	9.8	10.6	10.2	10.9	11.2	10.4	11.1	10.8	11.5	11.8
4H	10.5	11.2	10.9	11.5	11.9	11.1	11.8	11.5	12.1	12.5
6H	11.1	11.7	11.6	12.1	12.5	11.6	12.2	12.1	12.6	13.0
8H	11.4	12.0	11.9	12.4	12.8	11.9	12.4	12.3	12.8	13.3
12H	11.7	12.2	12.2	12.6	13.1	12.1	12.6	12.6	13.0	13.5
8H 4H	10.8	11.4	11.3	11.8	12.2	11.3	11.9	11.8	12.3	12.7
6H	11.6	12.1	12.1	12.5	13.0	12.0	12.5	12.5	12.9	13.4
8H	12.0	12.4	12.5	12.9	13.4	12.4	12.8	12.9	13.3	13.8
12H	12.4	12.8	12.9	13.3	13.8	12.7	13.1	13.2	13.6	14.1
12H 4H	10.8	11.3	11.3	11.8	12.2	11.3	11.8	11.8	12.3	12.7
6H	11.7	12.1	12.2	12.6	13.1	12.1	12.5	12.6	13.0	13.5
8H	12.1	12.5	12.7	13.0	13.5	12.5	12.9	13.0	13.3	13.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 183.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -5.9)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

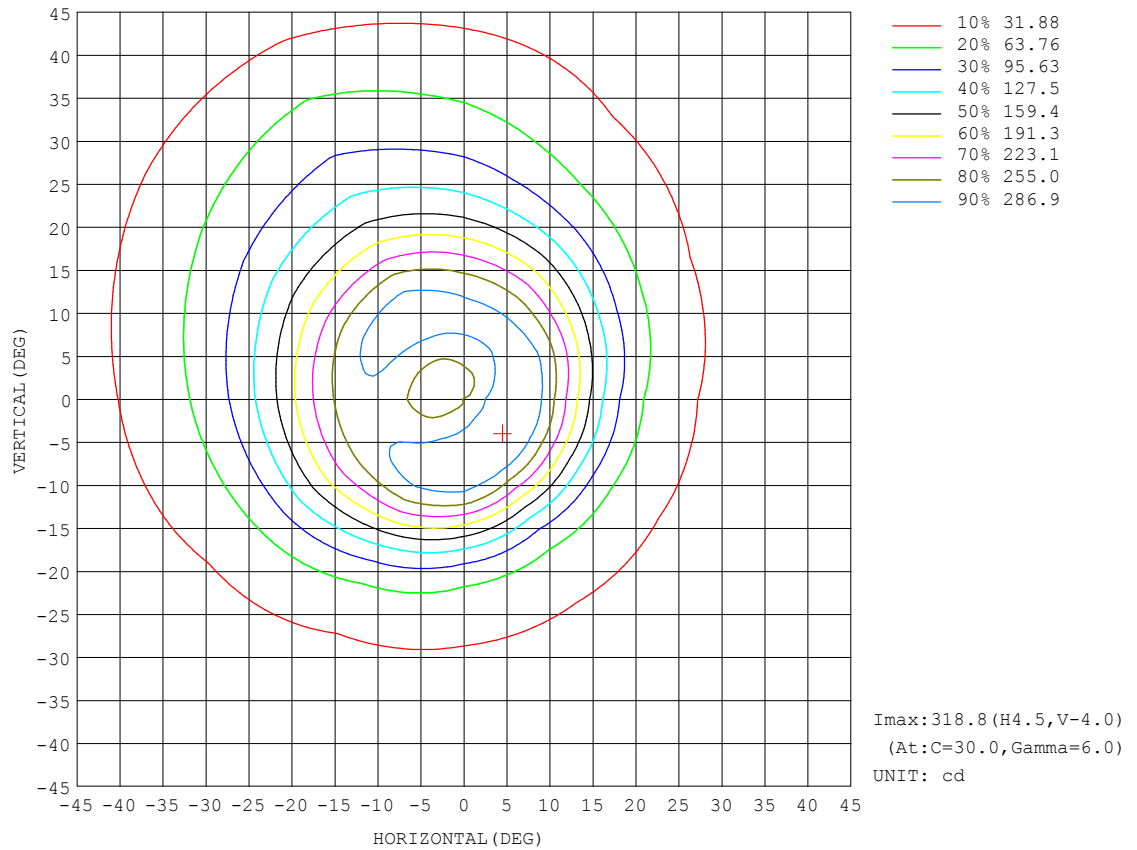
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	71	67	78	71	67	77	71	66	62
0.80	87	80	75	86	79	75	85	79	74	70
1.00	93	86	81	91	85	81	89	85	80	75
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	99	94	90	96	92	88	83
2.00	104	99	95	103	98	94	99	95	92	86
2.50	107	102	98	105	100	97	101	97	95	87
3.00	109	104	101	106	103	99	102	99	97	89
4.00	111	108	105	109	106	103	104	102	100	91
5.00	113	110	107	110	108	105	106	104	102	93
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:2023-12-19

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

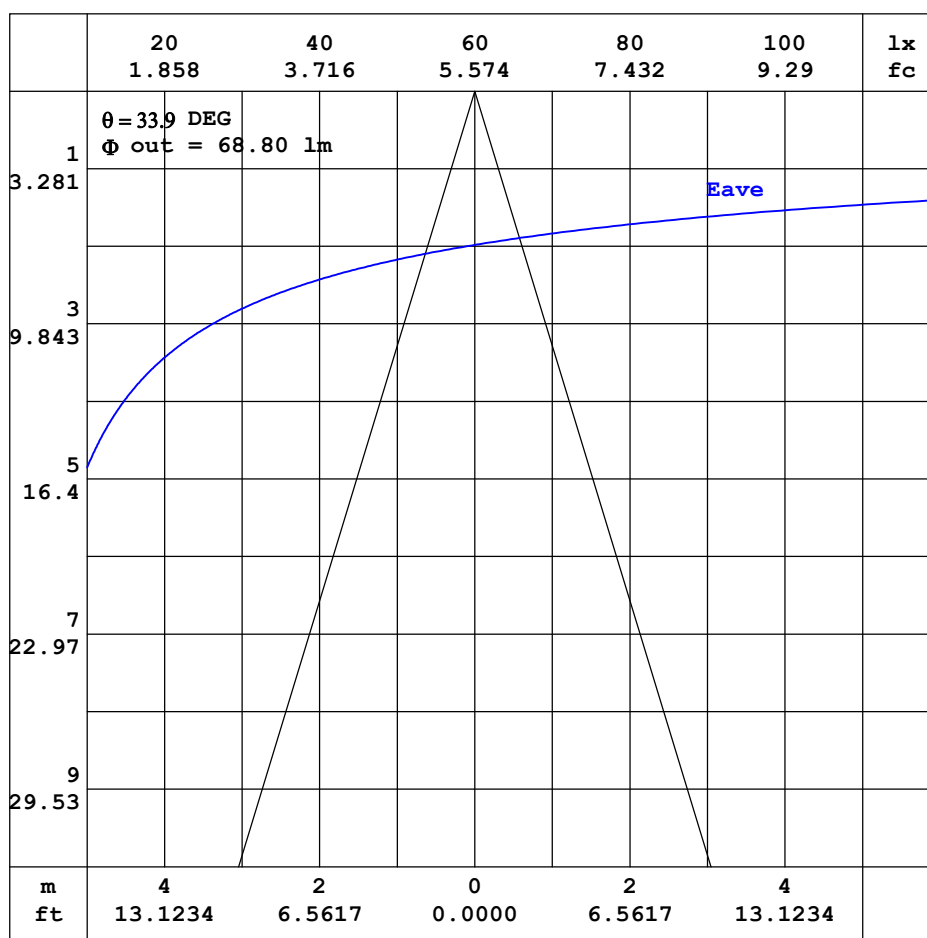
Test:U:24.00V I:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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:

Test:U:24.00V I:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



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

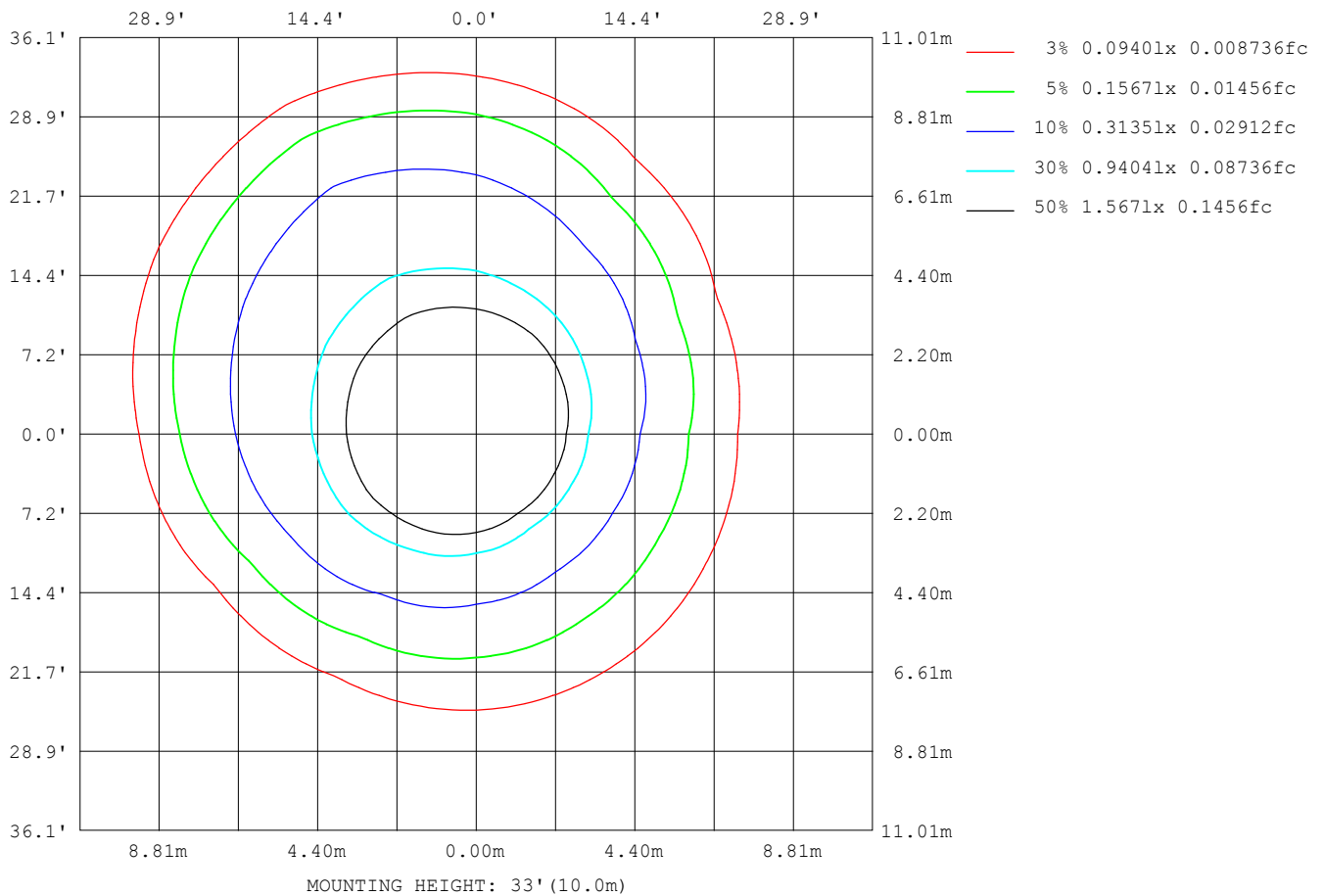
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

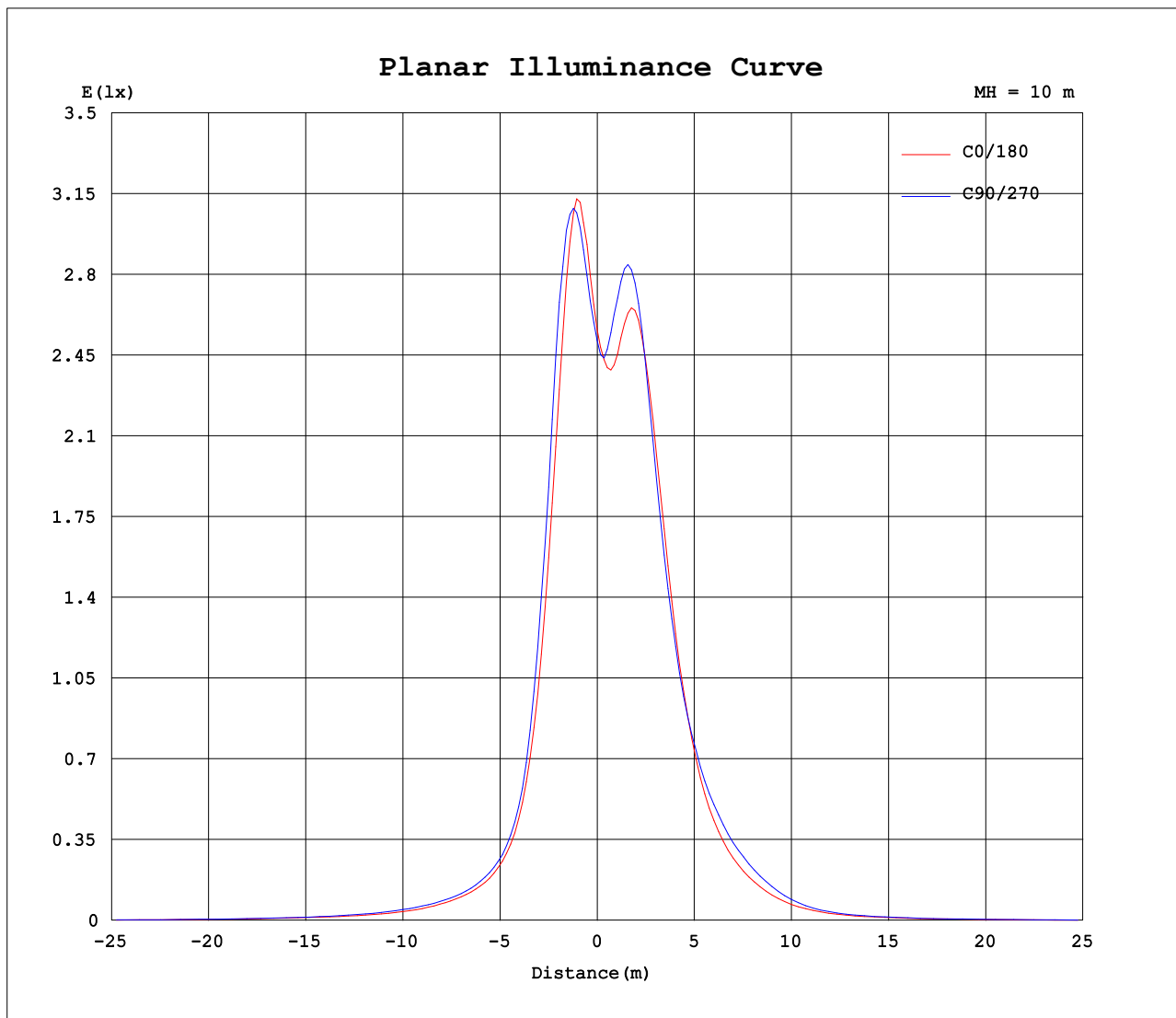
Test:U:24.00V I:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-12-19

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: 2023-12-19

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:0.2780A P:6.670W PF:1.000 Lamp Flux:183.498x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	256	254	253	252	251	252	256	254	253	252	251	252							
5	315	317	316	304	284	258	244	244	251	266	275	297							
10	266	264	273	297	302	286	278	292	304	295	292	288							
15	151	137	144	182	223	245	256	273	279	250	226	188							
20	72.3	63.1	63.7	82.6	118	163	185	200	201	173	143	102							
25	39.1	35.5	36.8	43.6	58.5	91.3	119	137	143	119	85.7	56.6							
30	25.5	24.7	25.7	29.0	33.8	50.8	74.9	95.3	105	84.8	54.3	33.8							
35	18.7	18.9	19.8	21.3	23.0	31.3	49.3	67.1	80.3	61.5	36.1	22.3							
40	14.2	15.1	16.1	16.7	16.9	21.0	32.5	47.0	58.0	42.9	24.8	16.1							
45	10.8	12.0	12.9	13.4	12.9	14.8	19.8	29.3	35.0	25.8	16.6	11.7							
50	8.85	10.1	10.9	10.7	10.2	10.6	11.9	16.2	18.8	14.6	11.3	8.96							
55	7.60	8.83	9.72	8.93	8.31	8.12	8.14	9.80	11.2	9.43	8.33	7.26							
60	6.49	7.50	8.33	7.46	6.83	6.50	6.10	6.97	7.80	7.08	6.51	5.97							
65	5.32	5.94	6.56	5.97	5.44	5.12	4.61	5.12	5.62	5.30	5.03	4.69							
70	4.14	4.46	4.87	4.53	4.13	3.86	3.33	3.63	3.93	3.81	3.69	3.47							
75	3.03	3.21	3.42	3.24	2.97	2.78	2.21	2.34	2.53	2.52	2.48	2.38							
80	2.07	2.16	2.23	2.11	1.97	1.88	1.28	1.32	1.37	1.38	1.45	1.46							
85	1.32	1.36	1.36	1.24	1.21	1.13	0.51	0.51	0.50	0.54	0.64	0.72							
90	0.77	0.74	0.78	0.76	0.77	0.71	0.16	0.18	0.19	0.18	0.24	0.25							
95	0.71	0.71	0.74	0.76	0.75	0.71	0.20	0.15	0.24	0.20	0.25	0.23							
100	0.69	0.71	0.73	0.76	0.74	0.71	0.25	0.20	0.28	0.24	0.29	0.27							
105	0.69	0.72	0.73	0.76	0.72	0.71	0.31	0.27	0.33	0.28	0.35	0.32							
110	0.69	0.76	0.74	0.79	0.72	0.71	0.37	0.31	0.39	0.35	0.42	0.42							
115	0.71	0.82	0.80	0.84	0.75	0.73	0.45	0.39	0.47	0.43	0.51	0.52							
120	0.79	0.91	0.92	0.94	0.80	0.77	0.56	0.51	0.56	0.53	0.64	0.68							
125	0.92	1.04	1.02	1.07	0.92	0.86	0.70	0.63	0.69	0.67	0.77	0.78							
130	1.08	1.20	1.17	1.20	1.05	0.99	0.85	0.78	0.83	0.80	0.91	0.94							
135	1.24	1.36	1.33	1.35	1.20	1.14	1.00	0.91	0.97	0.94	1.05	1.09							
140	1.41	1.52	1.48	1.50	1.37	1.30	1.14	1.07	1.11	1.08	1.19	1.23							
145	1.58	1.65	1.58	1.61	1.52	1.47	1.26	1.19	1.24	1.20	1.30	1.33							
150	1.65	1.73	1.66	1.71	1.64	1.63	1.37	1.31	1.36	1.33	1.40	1.41							
155	1.72	1.72	1.73	1.74	1.73	1.76	1.45	1.42	1.44	1.40	1.46	1.45							
160	1.75	1.72	1.73	1.74	1.78	1.81	1.51	1.46	1.51	1.45	1.51	1.50							
165	1.75	1.68	1.73	1.73	1.80	1.81	1.54	1.50	1.57	1.50	1.55	1.50							
170	1.68	1.66	1.72	1.73	1.80	1.81	1.54	1.52	1.61	1.55	1.59	1.55							
175	1.65	1.66	1.70	1.73	1.78	1.76	1.57	1.58	1.66	1.64	1.67	1.64							
180	1.62	1.64	1.69	1.71	1.75	1.75	1.58	1.62	1.66	1.70	1.74	1.72							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

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	256.5	253.7	253.2	251.7	251.2	251.7	256.5	253.7	253.2	251.7
3.0	294.4	296.2	295.0	280.6	267.2	249.9	240.6	235.8	238.7	248.6
6.0	318.0	318.9	318.8	311.9	292.5	265.2	249.7	253.6	261.0	274.2
9.0	287.2	285.6	293.2	310.4	304.7	284.7	273.2	284.4	296.2	295.0
12.0	219.4	213.6	222.1	261.3	282.3	278.3	278.0	296.1	306.5	285.8
15.0	151.0	137.5	144.5	181.8	222.8	244.8	256.5	272.8	278.8	249.7
18.0	97.11	86.10	86.59	115.4	156.3	198.3	216.0	230.2	231.7	202.8
21.0	62.93	54.94	55.73	70.53	102.1	147.3	170.2	186.7	187.3	160.7
24.0	43.44	39.20	40.08	48.61	66.64	104.2	130.4	148.3	152.3	127.4
27.0	32.38	30.32	31.49	36.22	45.91	72.00	98.53	118.8	126.0	103.8
30.0	25.46	24.66	25.74	28.98	33.81	50.79	74.95	95.27	105.4	84.78
33.0	20.97	20.90	21.80	23.81	26.47	37.58	58.05	77.61	89.69	70.30
36.0	17.72	18.09	19.00	20.19	21.55	28.70	45.44	62.67	76.13	57.54
39.0	14.99	15.87	16.75	17.55	17.88	22.65	35.45	50.75	62.59	46.41
42.0	12.67	13.80	14.76	15.33	15.05	18.20	26.95	39.86	48.76	35.89
45.0	10.85	12.01	12.94	13.44	12.88	14.78	19.85	29.35	34.96	25.77
48.0	9.493	10.71	11.57	11.70	11.16	12.01	14.54	20.42	24.02	18.07
51.0	8.547	9.803	10.65	10.31	9.740	9.961	10.96	14.33	16.66	13.08
54.0	7.813	9.080	9.954	9.255	8.633	8.511	8.694	10.73	12.17	10.13
57.0	7.169	8.315	9.225	8.330	7.698	7.400	7.202	8.403	9.547	8.302
60.0	6.491	7.501	8.326	7.456	6.828	6.496	6.098	6.974	7.799	7.079
63.0	5.792	6.576	7.287	6.581	5.994	5.671	5.168	5.763	6.393	5.964
66.0	5.079	5.642	6.196	5.667	5.165	4.858	4.334	4.782	5.253	4.963
69.0	4.370	4.742	5.200	4.792	4.385	4.104	3.576	3.907	4.233	4.088
72.0	3.697	3.963	4.266	4.008	3.647	3.416	2.862	3.078	3.329	3.259
75.0	3.028	3.215	3.421	3.240	2.973	2.783	2.209	2.339	2.525	2.520
78.0	2.440	2.551	2.671	2.551	2.349	2.220	1.626	1.710	1.802	1.826
81.0	1.906	1.969	2.032	1.893	1.801	1.717	1.109	1.147	1.174	1.183
84.0	1.459	1.506	1.515	1.386	1.344	1.275	0.6516	0.6599	0.6465	0.6648
87.0	1.052	1.080	1.087	0.9942	0.9415	0.8387	0.2205	0.2523	0.2357	0.3026
90.0	0.7695	0.7436	0.7848	0.7589	0.7741	0.7086	0.1559	0.1759	0.1911	0.1811
93.0	0.7287	0.7086	0.7388	0.7589	0.7539	0.7086	0.1860	0.1306	0.2113	0.1959
96.0	0.7086	0.7086	0.7388	0.7639	0.7439	0.7086	0.2062	0.1557	0.2515	0.2010
99.0	0.6937	0.7087	0.7388	0.7639	0.7388	0.7086	0.2364	0.1910	0.2814	0.2211
102.0	0.6885	0.7137	0.7287	0.7639	0.7187	0.7086	0.2714	0.2110	0.2966	0.2412
105.0	0.6885	0.7187	0.7287	0.7639	0.7187	0.7086	0.3066	0.2661	0.3318	0.2814
108.0	0.6885	0.7389	0.7287	0.7791	0.7187	0.7086	0.3418	0.2864	0.3670	0.3065
111.0	0.6936	0.7740	0.7637	0.8092	0.7187	0.7087	0.3821	0.3265	0.4073	0.3618
114.0	0.6936	0.8043	0.7839	0.8344	0.7286	0.7188	0.4324	0.3717	0.4525	0.4119
117.0	0.7584	0.8546	0.8341	0.8847	0.7689	0.7439	0.4877	0.4420	0.4928	0.4722
120.0	0.7938	0.9148	0.9192	0.9400	0.8039	0.7741	0.5581	0.5123	0.5631	0.5326
123.0	0.8641	0.9902	0.9697	1.005	0.8692	0.8244	0.6436	0.5927	0.6385	0.6080
126.0	0.9396	1.071	1.065	1.091	0.9397	0.8897	0.7291	0.6731	0.7090	0.6934
129.0	1.030	1.166	1.145	1.171	1.015	0.9602	0.8146	0.7585	0.7945	0.7688
132.0	1.130	1.257	1.236	1.257	1.115	1.046	0.9099	0.8340	0.8848	0.8542
135.0	1.236	1.357	1.327	1.352	1.201	1.136	1.000	0.9145	0.9702	0.9396
138.0	1.342	1.463	1.412	1.443	1.326	1.232	1.076	1.005	1.051	1.025
141.0	1.442	1.548	1.497	1.523	1.397	1.337	1.166	1.080	1.136	1.110
144.0	1.523	1.628	1.568	1.593	1.492	1.443	1.237	1.161	1.216	1.176
147.0	1.598	1.689	1.638	1.659	1.568	1.548	1.307	1.236	1.287	1.251
150.0	1.653	1.734	1.658	1.714	1.643	1.629	1.367	1.311	1.362	1.327
153.0	1.708	1.724	1.693	1.739	1.708	1.714	1.412	1.352	1.412	1.362
156.0	1.724	1.724	1.729	1.739	1.744	1.784	1.463	1.412	1.458	1.402
159.0	1.744	1.724	1.734	1.739	1.764	1.814	1.493	1.442	1.508	1.442
162.0	1.744	1.709	1.734	1.739	1.794	1.814	1.523	1.493	1.538	1.482
165.0	1.749	1.678	1.729	1.734	1.804	1.814	1.538	1.503	1.568	1.498
168.0	1.719	1.658	1.729	1.734	1.804	1.814	1.543	1.518	1.593	1.523
171.0	1.684	1.658	1.724	1.734	1.804	1.814	1.543	1.533	1.618	1.568
174.0	1.658	1.658	1.719	1.729	1.789	1.769	1.563	1.578	1.644	1.598
177.0	1.638	1.643	1.704	1.729	1.774	1.749	1.583	1.578	1.664	1.658
180.0	1.623	1.643	1.694	1.714	1.749	1.749	1.578	1.618	1.664	1.699
G/C	300.0	330.0								
0.0	251.2	251.7								
3.0	257.5	276.1								
6.0	283.5	306.7								
9.0	294.7	300.8								
12.0	272.8	252.6								
15.0	226.2	187.8								
18.0	173.9	132.9								
21.0	128.9	90.37								
24.0	94.86	64.00								
27.0	70.65	44.83								
30.0	54.27	33.76								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-12-19

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:

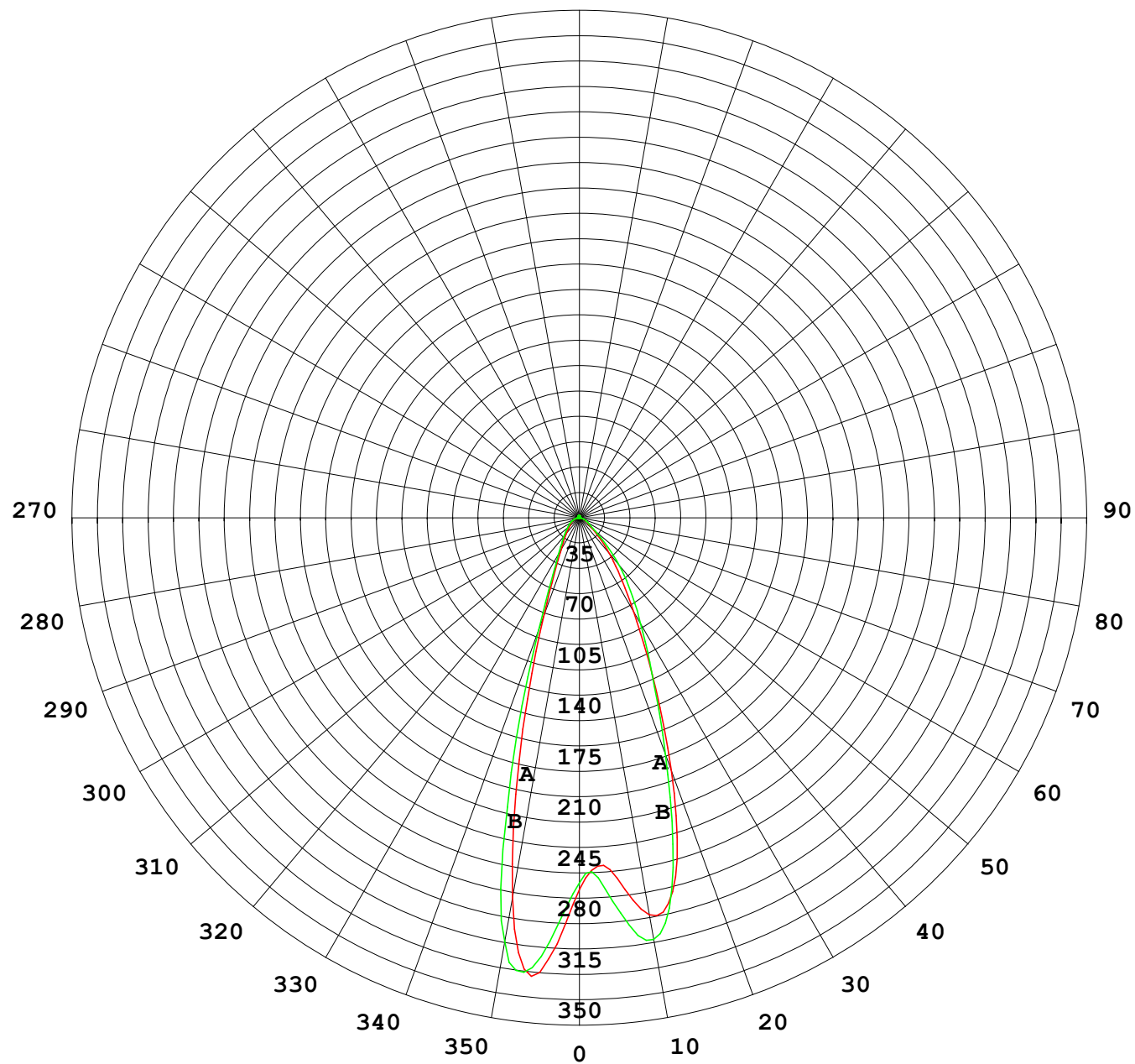
Photometric Data Table [cd]

33.0	42.34	26.08
36.0	33.39	20.79
39.0	26.71	17.26
42.0	21.26	14.05
45.0	16.58	11.68
48.0	13.08	9.880
51.0	10.53	8.553
54.0	8.795	7.546
57.0	7.534	6.747
60.0	6.515	5.973
63.0	5.595	5.224
66.0	4.756	4.435
69.0	3.952	3.716
72.0	3.183	3.043
75.0	2.475	2.384
78.0	1.827	1.826
81.0	1.269	1.303
84.0	0.7773	0.8609
87.0	0.3859	0.4885
90.0	0.2363	0.2467
93.0	0.2412	0.2312
96.0	0.2566	0.2312
99.0	0.2865	0.2512
102.0	0.3118	0.2814
105.0	0.3470	0.3165
108.0	0.3822	0.3668
111.0	0.4373	0.4470
114.0	0.4977	0.5023
117.0	0.5631	0.5776
120.0	0.6385	0.6780
123.0	0.7039	0.7384
126.0	0.7894	0.8289
129.0	0.8798	0.9143
132.0	0.9652	0.9998
135.0	1.051	1.091
138.0	1.136	1.166
141.0	1.216	1.241
144.0	1.292	1.311
147.0	1.347	1.357
150.0	1.397	1.407
153.0	1.438	1.427
156.0	1.478	1.457
159.0	1.493	1.483
162.0	1.518	1.498
165.0	1.548	1.503
168.0	1.583	1.518
171.0	1.613	1.568
174.0	1.659	1.608
177.0	1.704	1.659
180.0	1.739	1.724

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-19

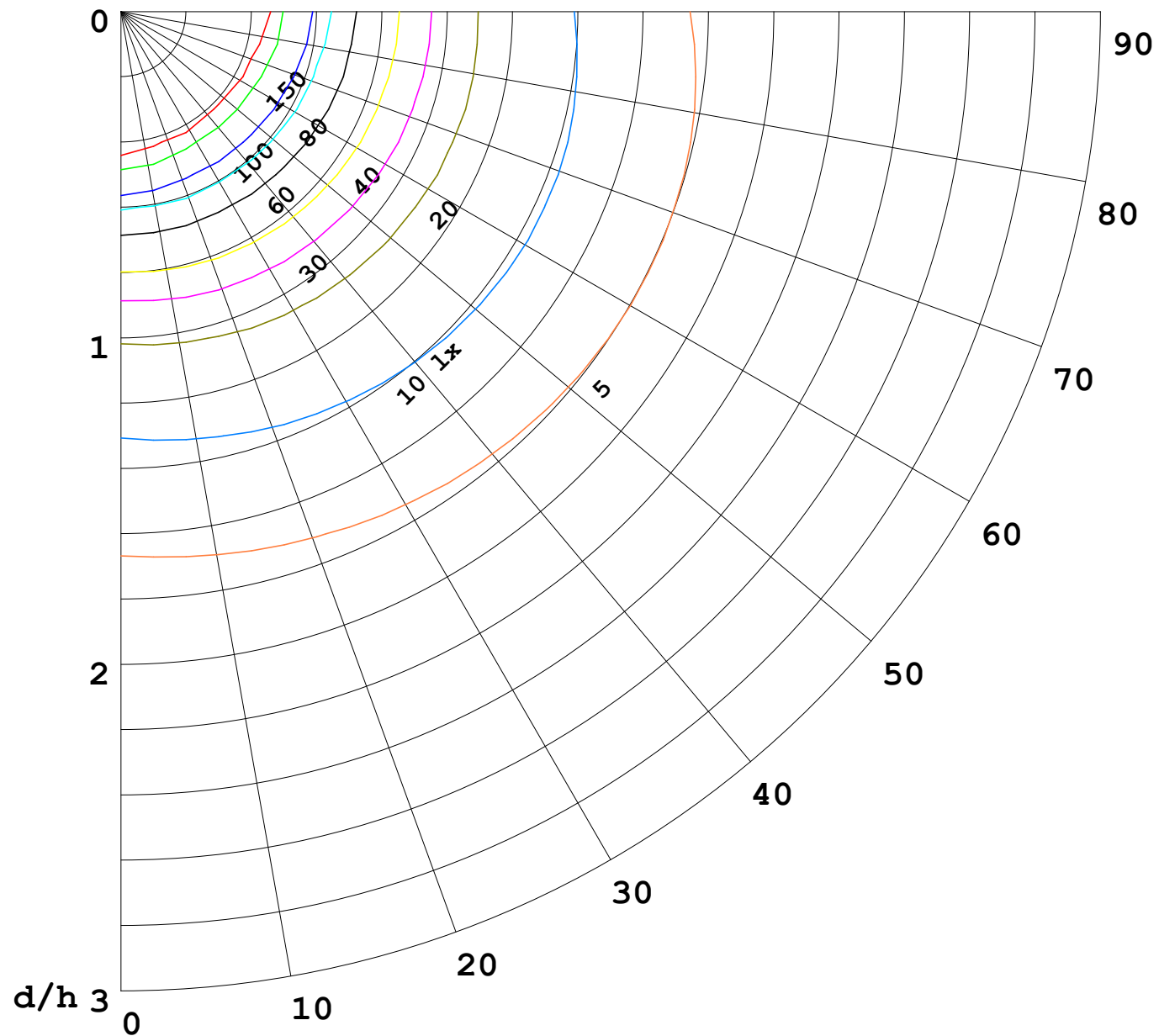
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

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

