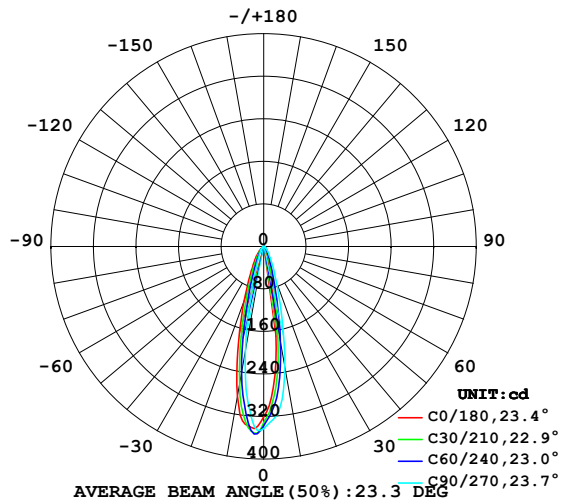


## LUMINAIRE PHOTOMETRIC TEST REPORT

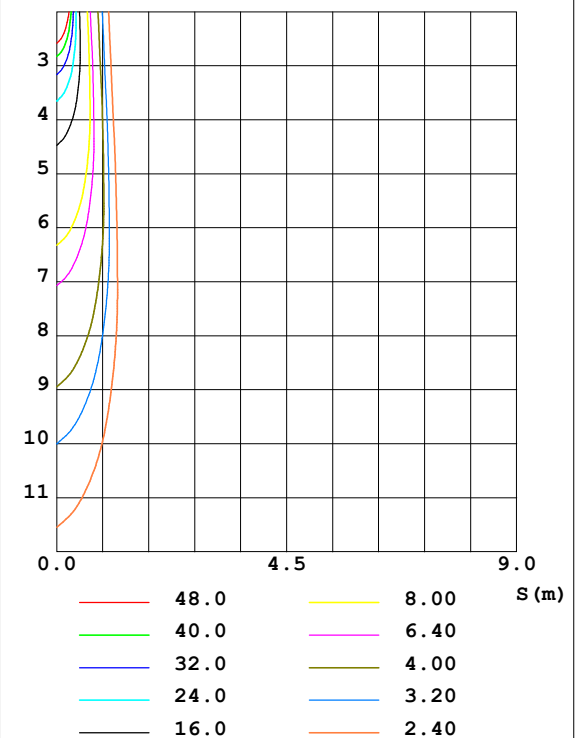
Test:U:24.00V I:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 16.41 lm/W			
MODEL	3535	I <sub>max</sub> (cd)	361.2	S/MH (C0/180)	0.28
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH (C90/270)	0.43
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	103.54	η UP,DN(C0-180)	1.8,49.5
NOMINAL FLUX(lm)	103.543	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,47.3
LAMPS INSIDE	1	η up(%)	3.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24.0	η down(%)	96.8	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



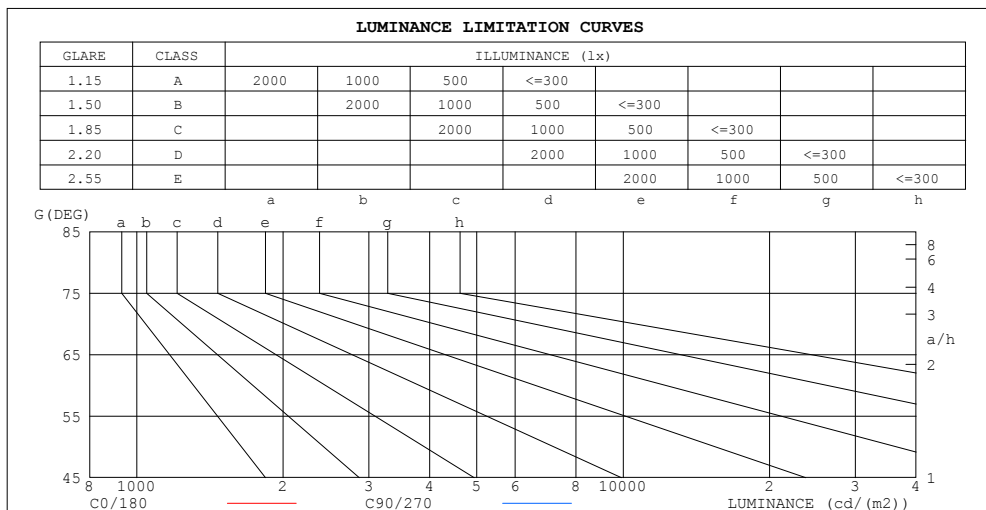
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-12-19

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	114.0	164.6	229.8	293.0	286.0	252.5	200.0	147.4	0- 10	26.26	26.26	25.4,25.4
20	24.53	36.38	69.62	105.3	108.2	75.59	41.79	29.39	10- 20	32.37	58.63	56.6,56.6
30	11.28	14.21	25.31	42.04	39.77	24.50	15.50	12.90	20- 30	17.13	75.76	73.2,73.2
40	6.628	7.982	11.68	18.61	18.06	11.02	8.529	7.591	30- 40	10.18	85.93	83,83
50	4.133	4.677	5.922	7.549	6.275	5.212	4.686	4.591	40- 50	6.098	92.03	88.9,88.9
60	3.117	3.237	3.411	3.679	2.943	3.043	3.052	3.226	50- 60	3.727	95.76	92.5,92.5
70	2.037	2.058	2.130	2.146	1.577	1.626	1.730	1.817	60- 70	2.515	98.28	94.9,94.9
80	1.081	1.096	1.095	1.093	0.5972	0.6080	0.6691	0.7287	70- 80	1.435	99.71	96.3,96.3
90	0.4425	0.4399	0.4473	0.4750	0.0855	0.1106	0.1357	0.1735	80- 90	0.5696	100.3	96.8,96.8
100	0.3921	0.4097	0.4271	0.4297	0.1357	0.1432	0.1457	0.2110	90-100	0.3150	100.6	97.2,97.2
110	0.3870	0.4071	0.4222	0.4096	0.2011	0.2036	0.2261	0.3016	100-110	0.3218	100.9	97.5,97.5
120	0.4219	0.4373	0.4524	0.4096	0.2816	0.3217	0.3717	0.4599	110-120	0.3514	101.3	97.8,97.8
130	0.6030	0.5855	0.5680	0.4749	0.4477	0.5102	0.5877	0.6808	120-130	0.4197	101.7	98.2,98.2
140	0.8442	0.8217	0.7692	0.6809	0.6685	0.7061	0.7587	0.8167	130-140	0.5076	102.2	98.7,98.7
150	1.020	1.033	0.9802	0.9197	0.7892	0.8242	0.8543	0.8795	140-150	0.5256	102.7	99.2,99.2
160	1.100	1.075	1.101	1.106	0.8644	0.8971	0.8795	0.9197	150-160	0.4426	103.2	99.6,99.6
170	1.010	1.030	1.091	1.133	0.8644	0.9524	0.9348	0.9324	160-170	0.2842	103.4	99.9,99.9
180	0.9197	0.9976	1.040	1.083	0.8644	0.9800	1.040	1.045	170-180	0.0954	103.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	440	427
80	337	341
75	319	330
70	322	337
65	331	348
60	337	369
55	341	406
50	348	498
45	381	637

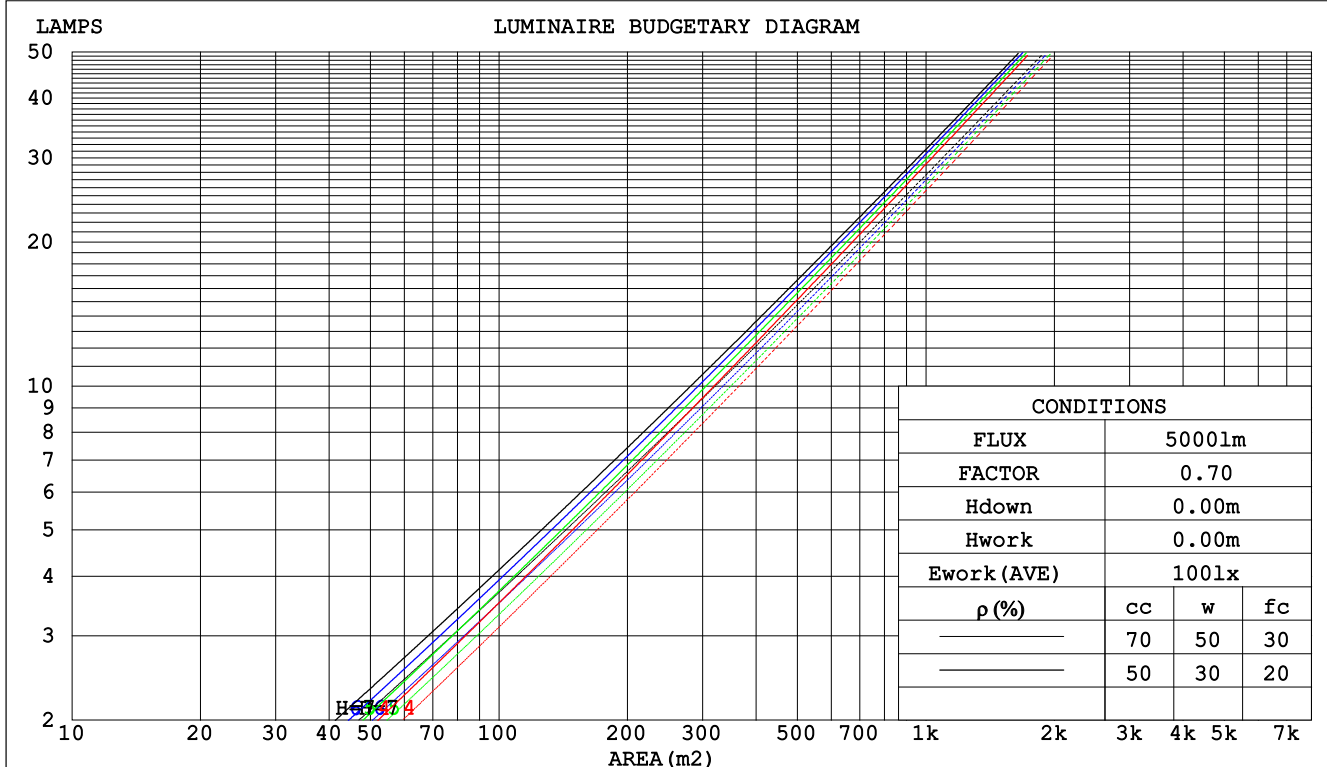
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 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	1.10	1.07	1.05	1.07	1.05	1.03	1.03	1.01	.99	.98	.97	.96	.94	.93	.92	.90
2.0	1.02	.98	.95	1.00	.97	.94	.97	.94	.91	.93	.91	.89	.90	.88	.86	.85
3.0	.96	.91	.87	.94	.90	.86	.91	.88	.84	.88	.85	.83	.86	.83	.81	.79
4.0	.90	.85	.81	.89	.84	.80	.86	.82	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.86	.80	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.78	.75	.73	.71
6.0	.81	.76	.72	.80	.75	.71	.79	.74	.71	.77	.73	.70	.75	.72	.69	.68
7.0	.78	.72	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.72	.69	.66	.65
8.0	.74	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.71	.66	.62	.71	.66	.62	.69	.65	.62	.68	.64	.61	.67	.64	.61	.60
10.0	.68	.63	.60	.68	.63	.60	.67	.62	.59	.66	.62	.59	.65	.61	.59	.58



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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 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	.183	.104	.033	.175	.100	.032	.161	.092	.029	.148	.085	.027	.136	.079	.025	
2.0	.171	.094	.029	.164	.091	.028	.152	.085	.026	.141	.079	.025	.130	.074	.023	
3.0	.159	.085	.025	.154	.082	.025	.143	.078	.024	.133	.073	.022	.124	.069	.021	
4.0	.149	.077	.023	.144	.075	.022	.135	.072	.021	.126	.068	.020	.118	.064	.020	
5.0	.140	.071	.021	.135	.069	.020	.127	.066	.020	.120	.063	.019	.113	.060	.018	
6.0	.131	.066	.019	.128	.064	.019	.120	.062	.018	.114	.059	.017	.108	.057	.017	
7.0	.124	.061	.017	.121	.060	.017	.114	.058	.017	.108	.056	.016	.103	.053	.016	
8.0	.117	.057	.016	.114	.056	.016	.109	.054	.016	.103	.052	.015	.098	.051	.015	
9.0	.111	.054	.015	.109	.053	.015	.104	.051	.015	.099	.050	.014	.094	.048	.014	
10.0	.106	.051	.014	.104	.050	.014	.099	.048	.014	.095	.047	.013	.091	.046	.013	

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	.196	.181	.169	.167	.156	.145	.115	.107	.100	.066	.062	.058	.021	.020	.019	
2.0	.180	.157	.137	.155	.135	.118	.106	.093	.083	.061	.054	.048	.020	.018	.016	
3.0	.168	.138	.114	.144	.119	.099	.099	.083	.070	.057	.048	.041	.018	.016	.013	
4.0	.157	.123	.098	.134	.107	.085	.092	.074	.060	.054	.044	.035	.017	.014	.012	
5.0	.147	.112	.085	.127	.097	.074	.087	.068	.052	.050	.040	.031	.016	.013	.010	
6.0	.139	.102	.076	.120	.089	.066	.083	.062	.047	.048	.036	.028	.015	.012	.009	
7.0	.132	.095	.068	.114	.082	.059	.078	.057	.042	.046	.034	.025	.015	.011	.008	
8.0	.126	.088	.062	.108	.076	.054	.075	.054	.039	.044	.032	.023	.014	.010	.008	
9.0	.120	.083	.058	.103	.072	.050	.072	.050	.036	.042	.030	.021	.014	.010	.007	
10.0	.115	.078	.054	.099	.068	.047	.069	.048	.033	.040	.028	.020	.013	.009	.007	

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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 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	4.1	4.9	4.3	5.1	5.4	5.3	6.1	5.5	6.3	6.5	
	3H	5.5	6.3	5.8	6.6	6.8	6.4	7.2	6.7	7.5	7.7
	4H	6.2	7.0	6.5	7.2	7.5	7.0	7.7	7.3	8.0	8.3
	6H	6.8	7.5	7.2	7.8	8.1	7.5	8.2	7.8	8.5	8.8
	8H	7.1	7.8	7.4	8.1	8.4	7.7	8.4	8.1	8.7	9.0
	12H	7.4	8.0	7.7	8.4	8.7	7.9	8.6	8.3	8.9	9.3
4H	2H	4.7	5.5	5.0	5.7	6.0	5.6	6.4	6.0	6.7	6.9
	3H	6.3	7.0	6.7	7.3	7.7	7.0	7.7	7.4	8.0	8.4
	4H	7.1	7.7	7.5	8.1	8.5	7.8	8.4	8.2	8.7	9.1
	6H	7.9	8.4	8.3	8.8	9.2	8.4	9.0	8.9	9.4	9.8
	8H	8.2	8.7	8.7	9.1	9.6	8.7	9.2	9.2	9.6	10.1
	12H	8.6	9.1	9.1	9.5	9.9	9.0	9.5	9.5	9.9	10.4
8H	4H	7.5	8.0	7.9	8.4	8.8	8.0	8.5	8.4	8.9	9.3
	6H	8.4	8.8	8.9	9.2	9.7	8.9	9.3	9.3	9.7	10.2
	8H	8.9	9.2	9.4	9.7	10.2	9.3	9.7	9.8	10.1	10.6
	12H	9.4	9.7	9.9	10.2	10.7	9.7	10.1	10.3	10.6	11.1
12H	4H	7.5	7.9	7.9	8.4	8.8	8.0	8.5	8.5	8.9	9.4
	6H	8.5	8.8	9.0	9.3	9.8	8.9	9.3	9.4	9.8	10.3
	8H	9.0	9.3	9.5	9.8	10.4	9.4	9.8	10.0	10.2	10.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.4					
1.5H	+ 0.1 / - 0.2					+ 0.7 / - 0.3					
2.0H	+ 0.1 / - 0.2					+ 0.7 / - 0.4					

CIE Pub.117 Corrected 103.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.9)

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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

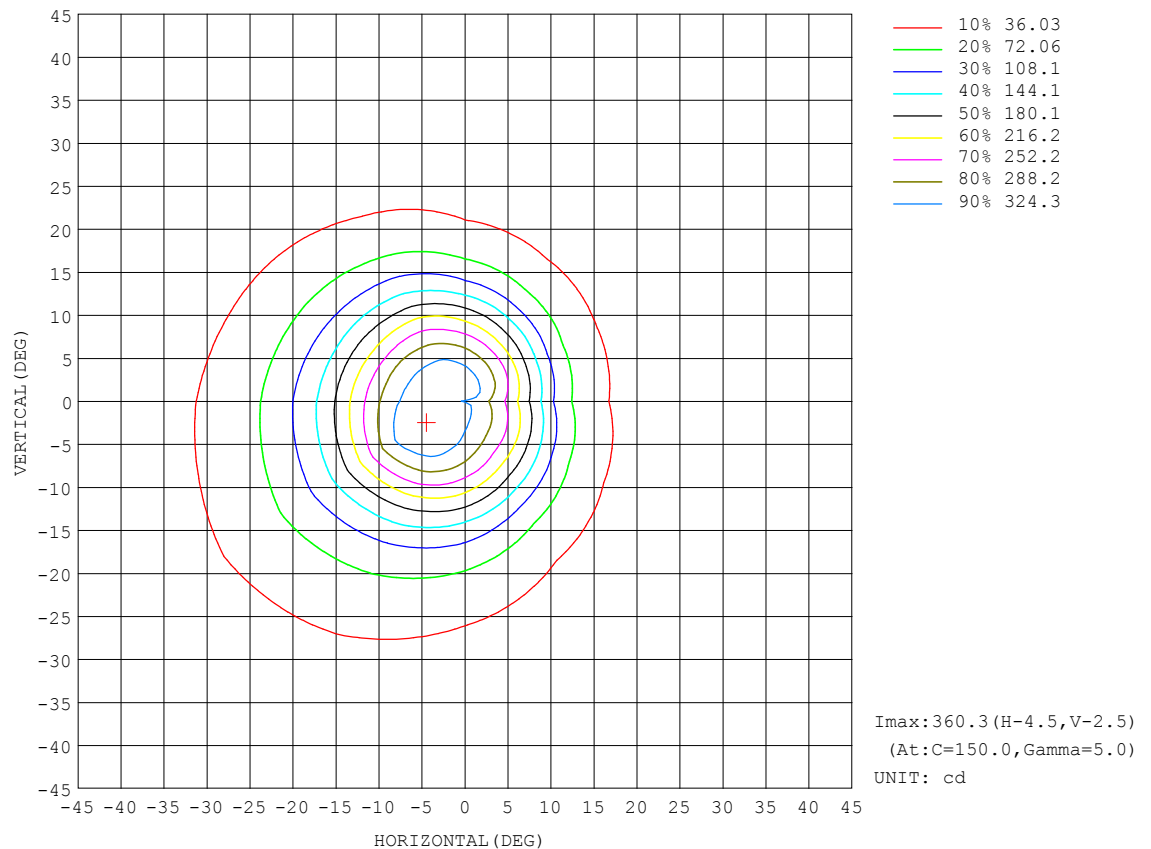
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	80	74	69	79	73	69	65
0.80	89	82	78	88	81	77	86	81	77	72
1.00	94	87	83	93	87	83	91	87	82	77
1.25	98	92	88	97	92	88	95	90	87	81
1.50	102	96	92	100	95	91	97	93	90	84
2.00	105	100	96	103	99	95	100	96	93	87
2.50	107	103	99	105	101	98	102	98	96	88
3.00	109	105	102	107	103	100	103	100	98	90
4.00	111	108	105	109	106	104	105	102	101	92
5.00	113	110	108	110	108	106	106	104	102	94
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

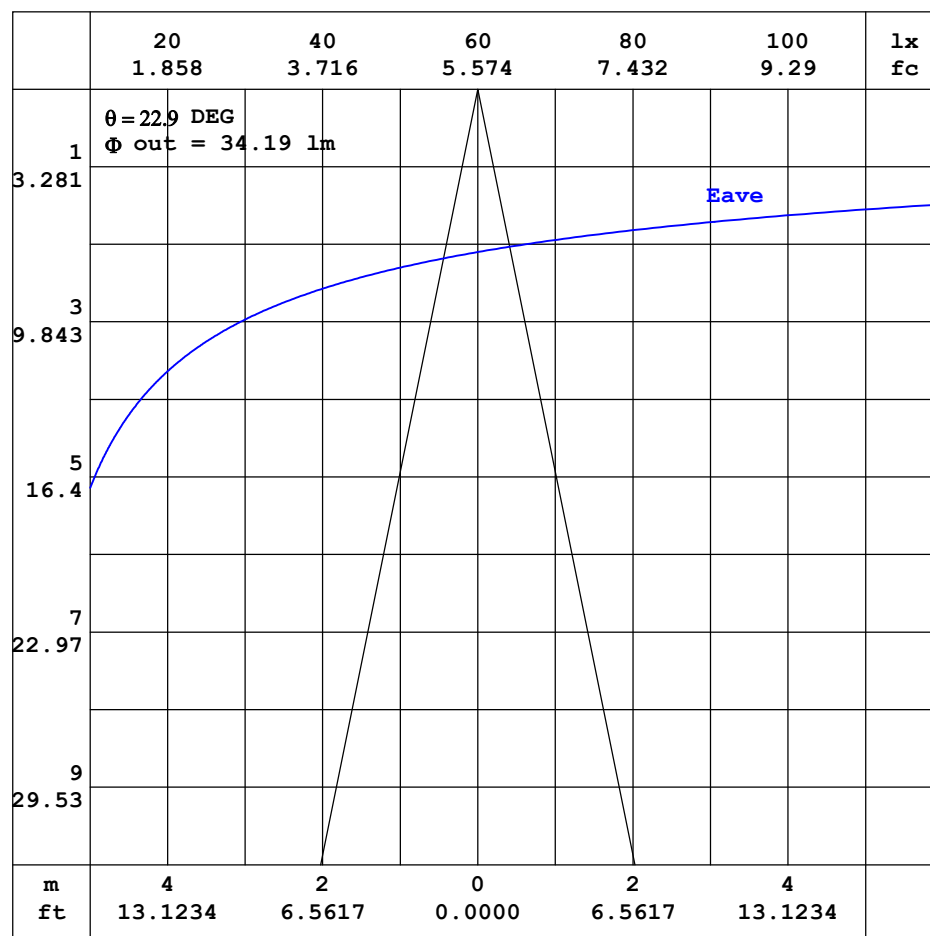


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-12-19

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:

## AAI CURVES

Test:U:24.00V I:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 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.

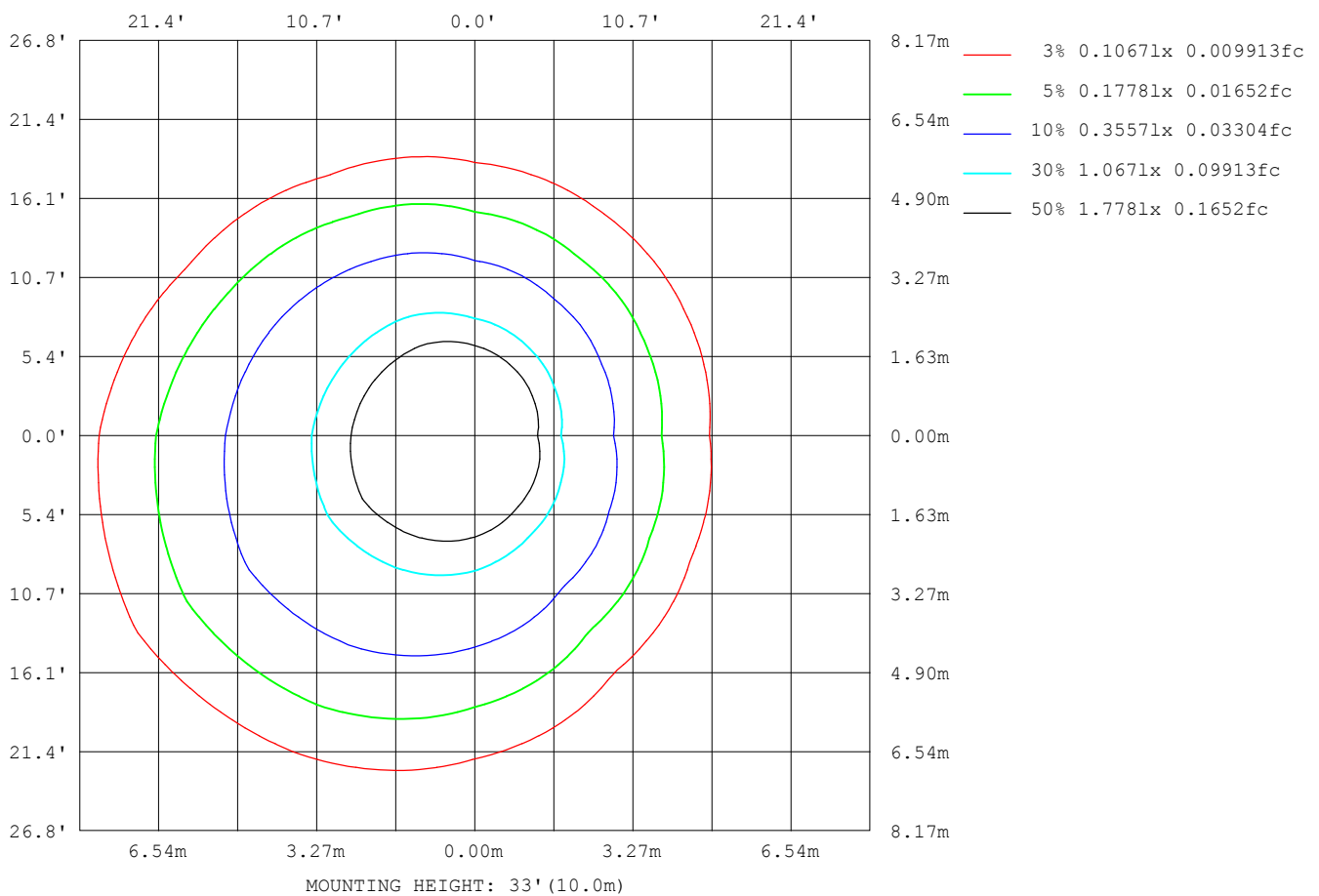
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-12-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

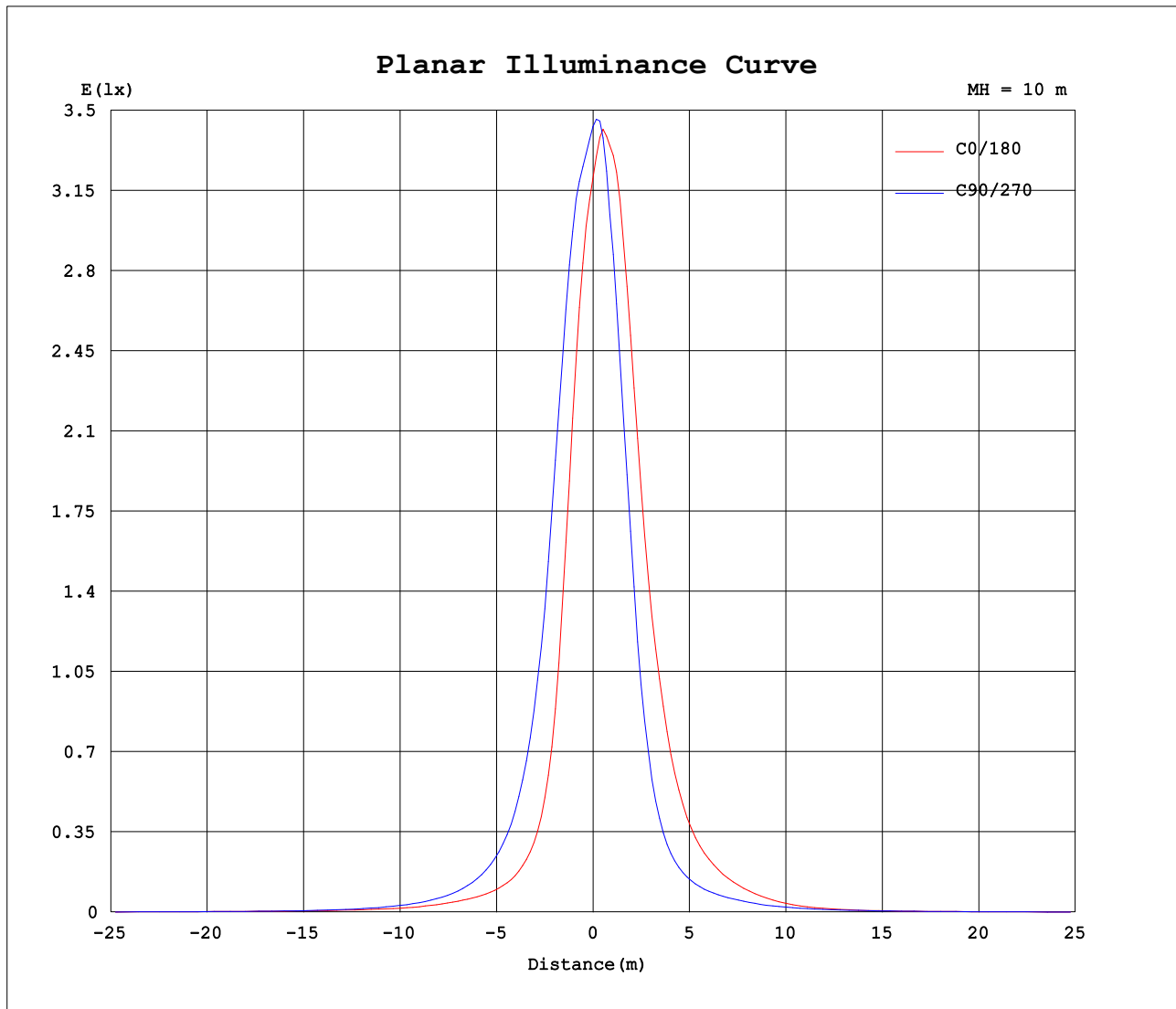
Test:U:24.00V I:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2630A P:6.310W PF:1.000 Lamp Flux:103.543x1 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	320	331	337	343	344	344	320	331	337	343	344	344							
5	244	265	285	315	345	361	338	342	334	308	289	269							
10	114	147	182	230	276	310	286	263	242	200	163	132							
15	46.3	60.6	87.3	129	165	196	183	159	132	92.9	67.2	52.9							
20	24.5	30.4	42.4	69.6	95.1	115	108	87.5	63.6	41.8	31.8	27.0							
25	15.6	18.1	24.2	40.1	58.2	71.5	63.2	49.0	33.6	23.2	19.2	17.0							
30	11.3	12.6	15.8	25.3	37.8	46.3	39.8	29.1	19.9	15.5	13.5	12.3							
35	8.78	9.49	11.3	16.8	24.9	30.5	27.0	18.5	13.6	11.6	10.4	9.55							
40	6.63	7.40	8.56	11.7	16.2	21.0	18.1	12.5	9.53	8.53	7.91	7.27							
45	4.98	5.51	6.53	8.33	10.7	13.7	11.1	8.21	6.66	6.16	5.89	5.52							
50	4.13	4.38	4.97	5.92	7.05	8.05	6.27	5.48	4.94	4.69	4.67	4.51							
55	3.62	3.73	4.02	4.31	4.89	5.09	4.05	4.02	3.89	3.77	3.92	3.87							
60	3.12	3.15	3.32	3.41	3.67	3.69	2.94	3.04	3.04	3.05	3.24	3.21							
65	2.58	2.55	2.69	2.72	2.84	2.82	2.21	2.28	2.30	2.37	2.51	2.50							
70	2.04	2.00	2.12	2.13	2.18	2.11	1.58	1.62	1.63	1.73	1.82	1.82							
75	1.53	1.51	1.59	1.58	1.60	1.53	1.05	1.07	1.07	1.17	1.20	1.23							
80	1.08	1.06	1.13	1.09	1.12	1.06	0.60	0.62	0.59	0.67	0.70	0.76							
85	0.71	0.69	0.74	0.69	0.72	0.67	0.23	0.26	0.23	0.30	0.32	0.41							
90	0.44	0.40	0.48	0.45	0.50	0.45	0.09	0.10	0.12	0.14	0.17	0.18							
95	0.40	0.39	0.44	0.44	0.48	0.44	0.11	0.10	0.15	0.14	0.18	0.17							
100	0.39	0.39	0.43	0.43	0.47	0.39	0.14	0.11	0.18	0.15	0.23	0.20							
105	0.39	0.40	0.42	0.42	0.44	0.39	0.17	0.13	0.22	0.20	0.27	0.22							
110	0.39	0.40	0.41	0.42	0.43	0.39	0.20	0.16	0.25	0.23	0.32	0.29							
115	0.39	0.41	0.41	0.43	0.41	0.39	0.23	0.21	0.30	0.30	0.38	0.36							
120	0.42	0.46	0.41	0.45	0.41	0.41	0.28	0.27	0.37	0.37	0.47	0.45							
125	0.50	0.53	0.45	0.46	0.43	0.44	0.36	0.36	0.46	0.48	0.57	0.55							
130	0.60	0.63	0.54	0.57	0.47	0.48	0.45	0.45	0.57	0.59	0.68	0.68							
135	0.72	0.75	0.66	0.66	0.55	0.58	0.56	0.56	0.67	0.69	0.76	0.75							
140	0.84	0.87	0.77	0.77	0.68	0.68	0.67	0.67	0.74	0.76	0.83	0.80							
145	0.95	0.99	0.88	0.88	0.79	0.81	0.74	0.73	0.81	0.80	0.88	0.84							
150	1.02	1.07	1.00	0.98	0.91	0.93	0.79	0.78	0.87	0.85	0.90	0.86							
155	1.09	1.10	1.03	1.05	1.01	1.04	0.83	0.83	0.90	0.87	0.91	0.88							
160	1.10	1.09	1.07	1.10	1.08	1.13	0.86	0.85	0.94	0.88	0.92	0.91							
165	1.08	1.04	1.09	1.10	1.10	1.17	0.86	0.90	0.96	0.93	0.93	0.91							
170	1.01	0.98	1.08	1.09	1.11	1.16	0.86	0.92	0.98	0.93	0.95	0.91							
175	0.94	0.95	1.07	1.07	1.11	1.09	0.86	0.93	1.02	1.01	1.02	0.94							
180	0.92	0.95	1.05	1.04	1.10	1.07	0.86	0.94	1.02	1.04	1.07	1.03							

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	320.1	331.3	337.1	342.8	344.3	343.8	320.1	331.3	337.1	342.8
3.0	284.4	297.6	309.9	326.8	346.0	359.4	343.2	351.6	353.3	339.4
6.0	219.1	245.6	267.5	302.0	339.8	360.1	335.8	331.0	317.0	291.9
9.0	140.0	170.7	205.3	250.1	297.4	331.0	303.0	285.5	262.6	223.2
12.0	77.19	103.5	139.5	186.8	229.6	265.6	244.4	218.3	195.0	151.7
15.0	46.35	60.56	87.28	128.7	165.1	196.5	182.9	159.2	132.4	92.87
18.0	30.63	39.37	55.70	88.60	118.0	141.7	133.5	110.5	86.46	56.29
21.0	22.08	26.91	37.47	62.05	85.71	104.4	96.80	76.97	55.72	36.35
24.0	16.88	19.92	26.75	44.48	63.79	78.31	70.17	54.31	38.02	25.78
27.0	13.54	15.40	20.15	33.02	48.75	59.89	51.76	39.64	26.79	19.41
30.0	11.28	12.57	15.84	25.31	37.77	46.30	39.77	29.06	19.95	15.50
33.0	9.710	10.61	12.78	19.70	29.43	35.85	31.41	21.97	15.67	12.94
36.0	8.322	9.063	10.62	15.55	22.90	28.08	25.03	17.15	12.63	10.93
39.0	6.996	7.791	9.027	12.55	17.69	22.59	19.67	13.52	10.27	9.102
42.0	5.865	6.606	7.704	10.13	13.68	18.03	15.00	10.61	8.216	7.453
45.0	4.983	5.506	6.533	8.328	10.66	13.68	11.06	8.208	6.659	6.165
48.0	4.399	4.757	5.516	6.771	8.295	9.947	7.825	6.321	5.505	5.159
51.0	4.012	4.230	4.747	5.535	6.525	7.266	5.668	5.100	4.691	4.455
54.0	3.715	3.849	4.178	4.551	5.231	5.535	4.354	4.239	4.079	3.931
57.0	3.429	3.492	3.726	3.924	4.315	4.440	3.536	3.570	3.531	3.459
60.0	3.117	3.155	3.318	3.411	3.671	3.687	2.943	3.042	3.044	3.052
63.0	2.796	2.793	2.937	2.974	3.148	3.115	2.476	2.564	2.581	2.645
66.0	2.469	2.442	2.574	2.597	2.695	2.673	2.064	2.142	2.160	2.238
69.0	2.147	2.115	2.233	2.241	2.298	2.245	1.692	1.755	1.782	1.865
72.0	1.826	1.798	1.901	1.904	1.936	1.858	1.361	1.398	1.401	1.499
75.0	1.529	1.512	1.589	1.582	1.604	1.527	1.049	1.071	1.069	1.172
78.0	1.247	1.251	1.308	1.286	1.308	1.241	0.7680	0.7948	0.7680	0.8702
81.0	0.9960	0.9744	1.046	1.014	1.031	0.9842	0.5168	0.5434	0.5119	0.5787
84.0	0.7799	0.7582	0.8200	0.7632	0.7949	0.7581	0.3006	0.3323	0.2858	0.3474
87.0	0.5787	0.5624	0.6189	0.5825	0.5838	0.5172	0.0904	0.1412	0.1156	0.1915
90.0	0.4425	0.4020	0.4778	0.4473	0.5026	0.4473	0.0855	0.1005	0.1207	0.1357
93.0	0.4071	0.3920	0.4573	0.4473	0.4875	0.4423	0.1055	0.1005	0.1308	0.1357
96.0	0.4021	0.3920	0.4423	0.4423	0.4774	0.4471	0.1056	0.1005	0.1608	0.1357
99.0	0.3971	0.3920	0.4372	0.4372	0.4675	0.4020	0.1357	0.1005	0.1709	0.1457
102.0	0.3870	0.3920	0.4222	0.4222	0.4524	0.3920	0.1508	0.1206	0.1861	0.1558
105.0	0.3870	0.3970	0.4171	0.4222	0.4423	0.3920	0.1660	0.1256	0.2162	0.1959
108.0	0.3870	0.3971	0.4121	0.4222	0.4323	0.3920	0.1861	0.1457	0.2363	0.2060
111.0	0.3870	0.4071	0.4121	0.4222	0.4222	0.3920	0.2062	0.1758	0.2614	0.2361
114.0	0.3870	0.4071	0.4121	0.4322	0.4071	0.3920	0.2212	0.1960	0.2866	0.2915
117.0	0.3870	0.4273	0.4121	0.4272	0.4071	0.4071	0.2514	0.2261	0.3218	0.3165
120.0	0.4219	0.4624	0.4121	0.4524	0.4071	0.4121	0.2816	0.2713	0.3721	0.3717
123.0	0.4522	0.4977	0.4422	0.4624	0.4071	0.4272	0.3168	0.3065	0.4174	0.4421
126.0	0.5175	0.5380	0.4772	0.4624	0.4421	0.4473	0.3672	0.3618	0.4826	0.5024
129.0	0.5926	0.5984	0.5276	0.5480	0.4473	0.4675	0.4324	0.4369	0.5431	0.5527
132.0	0.6530	0.6686	0.5977	0.5932	0.5122	0.5228	0.4978	0.5123	0.6083	0.6180
135.0	0.7235	0.7490	0.6581	0.6586	0.5527	0.5781	0.5631	0.5627	0.6686	0.6882
138.0	0.7988	0.8244	0.7334	0.7239	0.6230	0.6435	0.6285	0.6230	0.7189	0.7086
141.0	0.8642	0.8947	0.7987	0.7992	0.6884	0.7089	0.6787	0.6784	0.7591	0.7589
144.0	0.9246	0.9651	0.8692	0.8646	0.7689	0.7892	0.7239	0.7085	0.8042	0.7889
147.0	0.9948	1.020	0.9247	0.9298	0.8341	0.8596	0.7590	0.7638	0.8344	0.8241
150.0	1.020	1.066	0.9999	0.9802	0.9143	0.9250	0.7892	0.7789	0.8695	0.8543
153.0	1.085	1.096	1.015	1.025	0.9895	1.000	0.8193	0.8040	0.8896	0.8594
156.0	1.086	1.091	1.040	1.061	1.005	1.061	0.8444	0.8492	0.9098	0.8645
159.0	1.086	1.086	1.055	1.091	1.055	1.116	0.8595	0.8543	0.9249	0.8795
162.0	1.101	1.085	1.081	1.096	1.091	1.156	0.8644	0.8694	0.9449	0.8945
165.0	1.081	1.035	1.086	1.096	1.101	1.166	0.8644	0.8995	0.9550	0.9347
168.0	1.036	1.010	1.086	1.096	1.111	1.166	0.8644	0.9248	0.9700	0.9348
171.0	0.9953	0.9749	1.071	1.091	1.111	1.131	0.8644	0.9247	0.9851	0.9448
174.0	0.9551	0.9499	1.060	1.070	1.111	1.106	0.8644	0.9298	1.010	0.9948
177.0	0.9398	0.9499	1.055	1.050	1.111	1.085	0.8644	0.9298	1.015	1.020
180.0	0.9197	0.9499	1.045	1.040	1.101	1.065	0.8644	0.9448	1.015	1.040
G/C	300.0	330.0								
0.0	344.3	343.8								
3.0	323.6	308.9								
6.0	266.1	243.9								
9.0	187.9	158.4								
12.0	115.5	88.82								
15.0	67.20	52.90								
18.0	41.57	34.08								
21.0	28.12	24.15								
24.0	20.98	18.49								
27.0	16.41	14.69								
30.0	13.53	12.27								

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

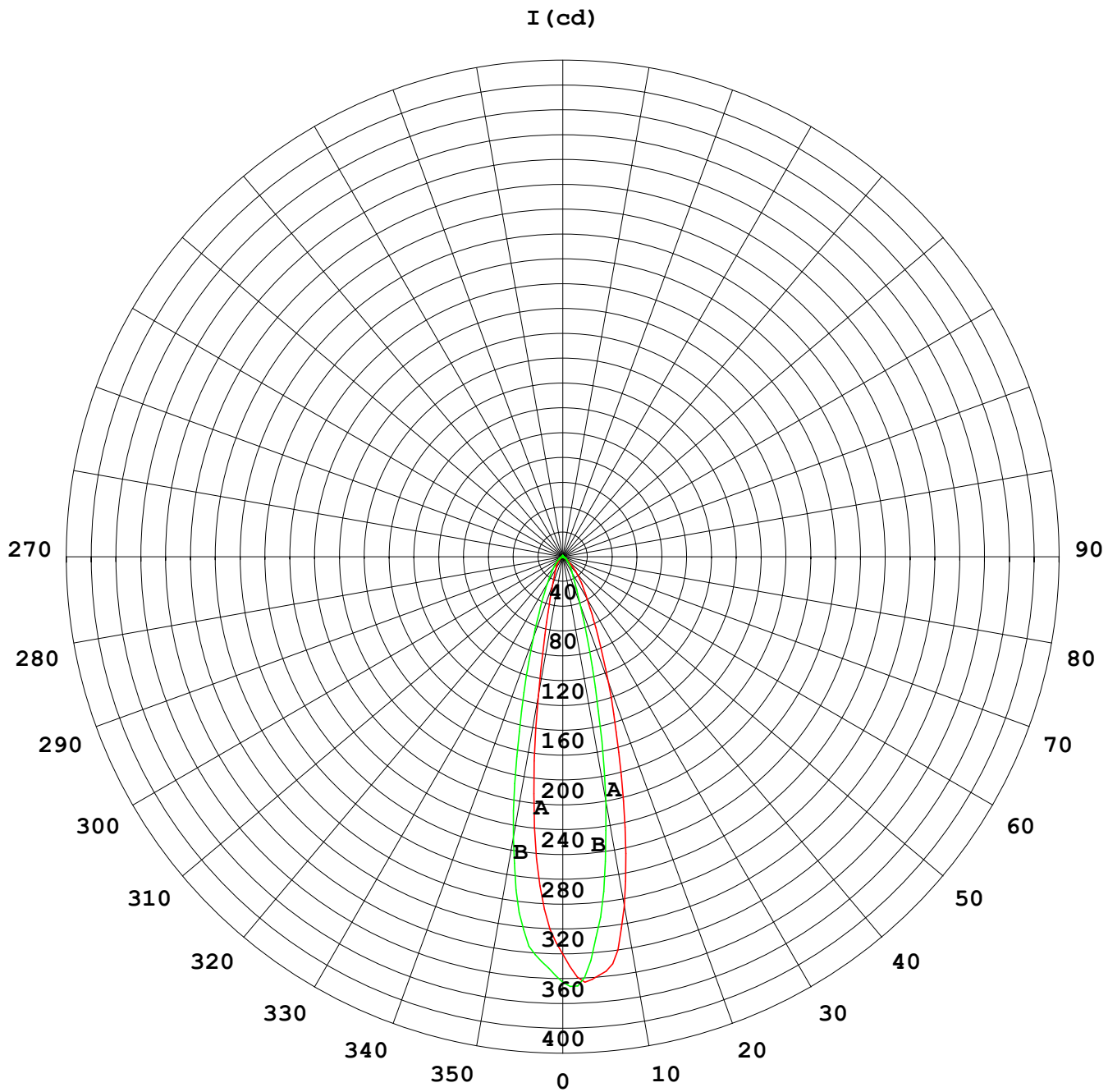
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	11.49	10.48
36.0	9.920	9.075
39.0	8.422	7.713
42.0	7.012	6.462
45.0	5.892	5.516
48.0	5.073	4.846
51.0	4.501	4.364
54.0	4.059	3.997
57.0	3.632	3.615
60.0	3.240	3.212
63.0	2.778	2.796
66.0	2.371	2.358
69.0	1.963	1.951
72.0	1.557	1.584
75.0	1.200	1.232
78.0	0.8934	0.9404
81.0	0.6221	0.6841
84.0	0.3862	0.4681
87.0	0.2056	0.2919
90.0	0.1658	0.1811
93.0	0.1809	0.1709
96.0	0.1861	0.1709
99.0	0.2212	0.1808
102.0	0.2363	0.2060
105.0	0.2664	0.2160
108.0	0.2916	0.2661
111.0	0.3219	0.2865
114.0	0.3671	0.3465
117.0	0.4173	0.3818
120.0	0.4727	0.4472
123.0	0.5280	0.5124
126.0	0.5982	0.5877
129.0	0.6586	0.6330
132.0	0.7189	0.6885
135.0	0.7641	0.7536
138.0	0.8092	0.7789
141.0	0.8395	0.8141
144.0	0.8696	0.8443
147.0	0.8896	0.8443
150.0	0.8997	0.8594
153.0	0.9147	0.8744
156.0	0.9197	0.8845
159.0	0.9198	0.9046
162.0	0.9247	0.9147
165.0	0.9298	0.9147
168.0	0.9399	0.9147
171.0	0.9651	0.9197
174.0	1.005	0.9348
177.0	1.046	0.9849
180.0	1.065	1.025

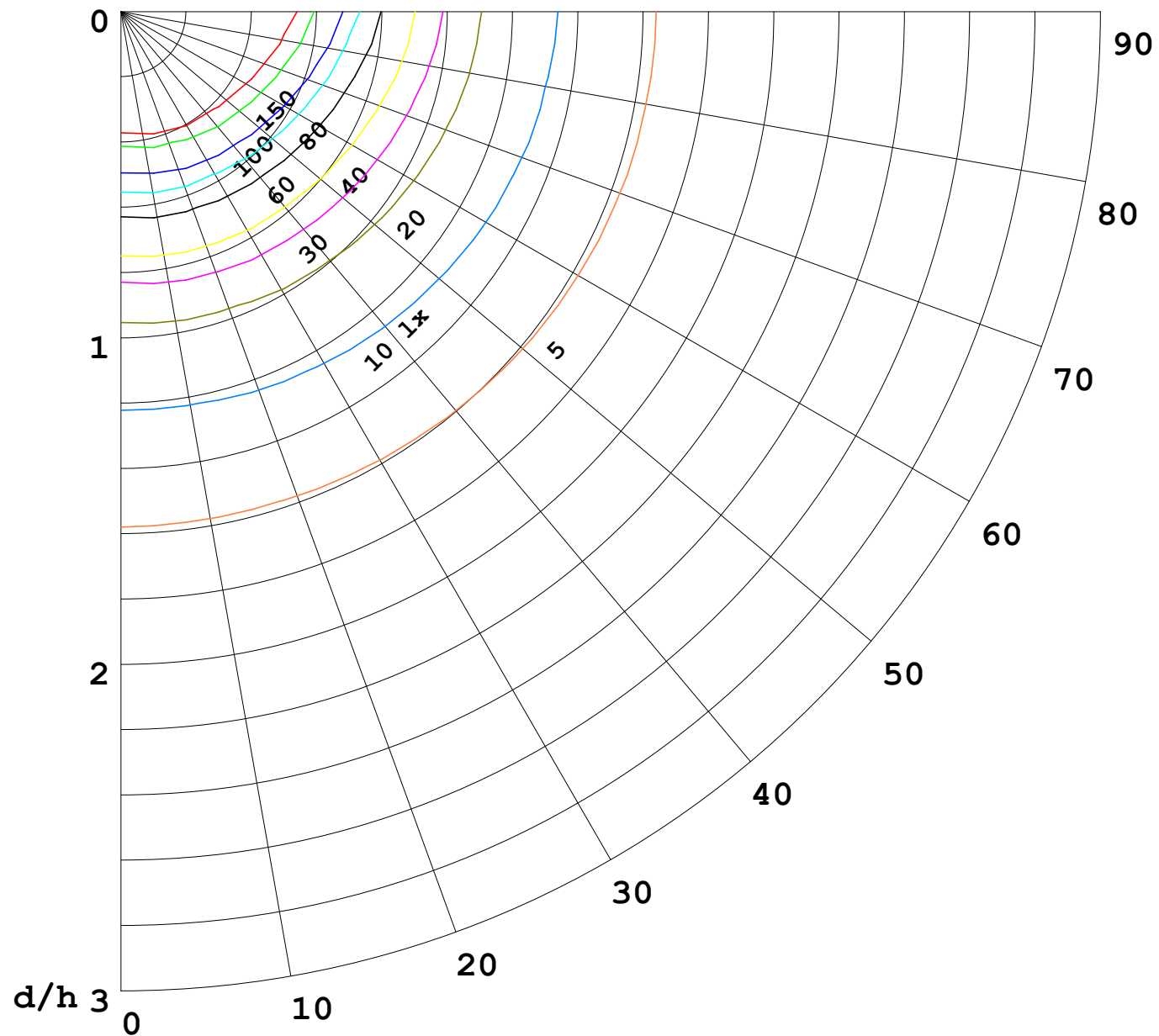
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

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:



1000 lm

$K = 1$



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

