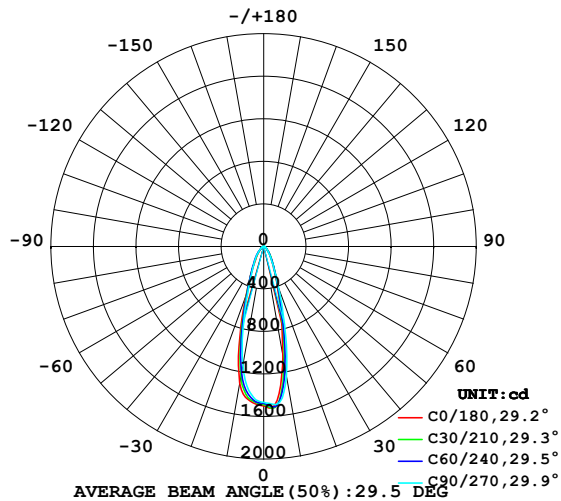


## LUMINAIRE PHOTOMETRIC TEST REPORT

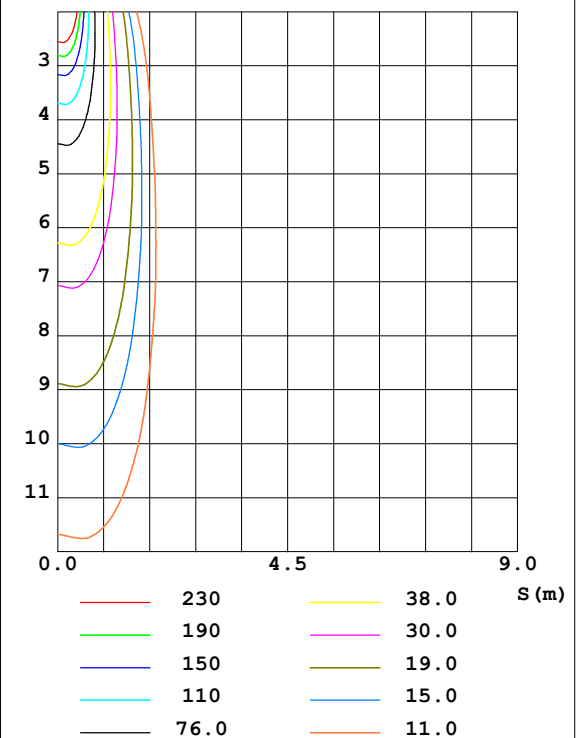
Test:U:24.00V I:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 26.53 lm/W			
MODEL	3535	I <sub>max</sub> (cd)	1525	S/MH (C0/180)	0.45
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	0.50
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	648.58	η UP, DN (C0-180)	1.8, 47.4
NOMINAL FLUX (lm)	648.583	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 49.4
LAMPS INSIDE	1	η up (%)	3.2	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	24.0	η down (%)	96.8	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



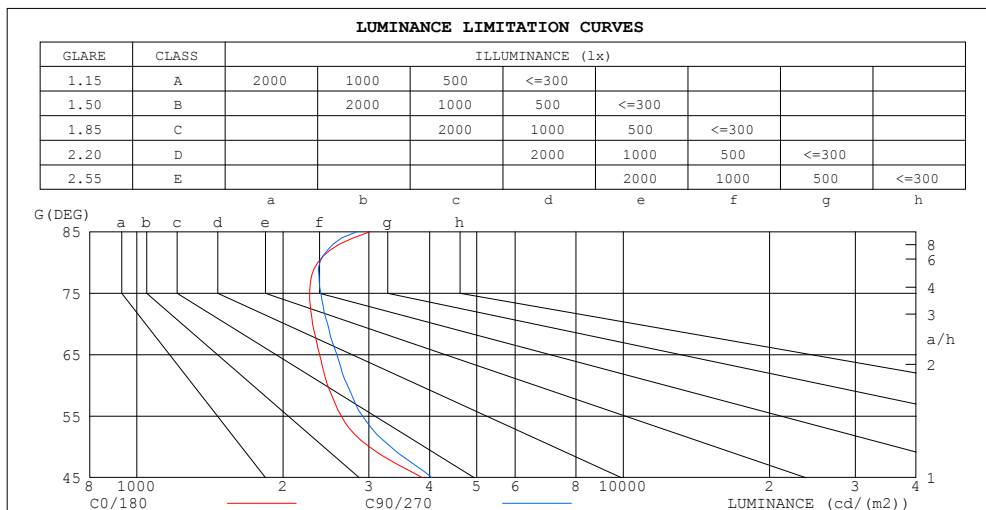
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-12-19

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	1042	1133	1233	1271	1304	1223	1135	1069	0- 10	129.3	129.3	19.9,19.9
20	363.7	388.4	408.0	439.5	490.5	463.4	422.6	395.6	10- 20	204.7	334.0	51.5,51.5
30	154.3	161.9	146.6	140.9	173.2	193.2	183.2	154.3	20- 30	119.0	452.9	69.8,69.8
40	74.58	80.43	71.21	67.53	80.73	98.56	93.80	75.20	30- 40	71.90	524.8	80.9,80.9
50	35.75	40.66	39.53	36.79	36.21	42.32	40.25	36.90	40- 50	43.53	568.3	87.6,87.6
60	22.83	25.39	25.07	23.82	21.23	23.60	23.20	22.31	50- 60	26.81	595.1	91.8,91.8
70	14.54	15.56	15.61	14.56	12.17	12.90	12.94	12.82	60- 70	18.37	613.5	94.6,94.6
80	7.580	7.864	7.648	7.115	4.883	4.846	4.866	5.321	70- 80	10.45	624.0	96.2,96.2
90	2.912	2.918	2.799	2.777	0.7842	0.8596	0.8846	0.9805	80- 90	3.967	627.9	96.8,96.8
100	2.634	2.681	2.714	2.604	1.131	1.196	1.186	1.184	90-100	2.038	630.0	97.1,97.1
110	2.599	2.673	2.709	2.578	1.614	1.679	1.638	1.608	100-110	2.132	632.1	97.5,97.5
120	2.794	2.932	3.001	2.807	2.348	2.422	2.437	2.405	110-120	2.329	634.4	97.8,97.8
130	3.662	3.736	3.770	3.548	3.484	3.501	3.497	3.498	120-130	2.756	637.2	98.2,98.2
140	4.969	4.933	4.876	4.717	4.595	4.503	4.427	4.478	130-140	3.189	640.4	98.7,98.7
150	6.181	6.018	5.896	5.888	5.263	5.179	5.046	5.094	140-150	3.224	643.6	99.2,99.2
160	6.729	6.471	6.389	6.542	5.649	5.581	5.367	5.360	150-160	2.690	646.3	99.6,99.6
170	6.489	6.337	6.396	6.525	5.870	5.851	5.679	5.483	160-170	1.715	648.0	99.9,99.9
180	6.091	6.197	6.302	6.106	6.081	6.174	6.242	6.091	170-180	0.5806	648.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3024	2840
80	2360	2381
75	2268	2389
70	2298	2467
65	2375	2579
60	2468	2711
55	2632	2912
50	3006	3324
45	3872	4042

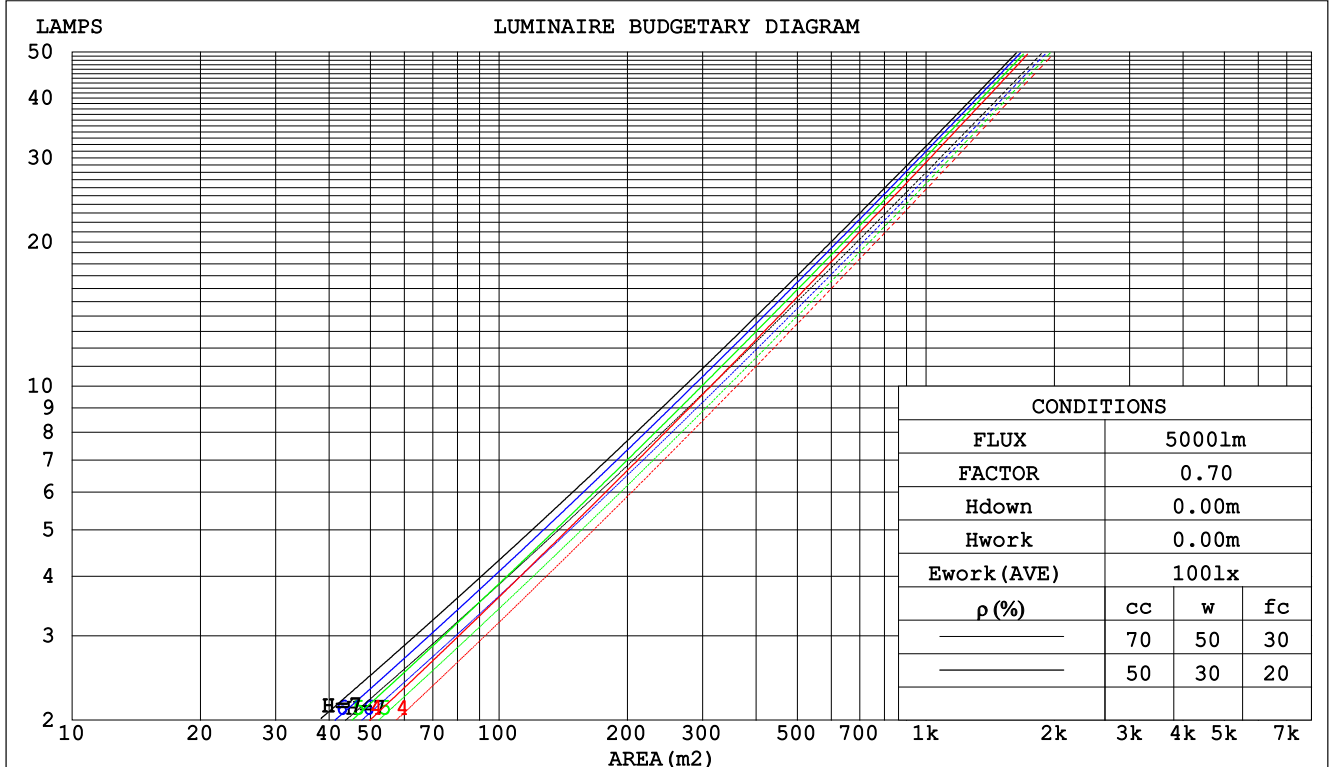
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

$\gamma$  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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 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	1.07	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.96	.95	.94	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.95	.92	.90	.92	.89	.87	.89	.87	.85	.83
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.87	.84	.81	.84	.82	.79	.78
4.0	.89	.83	.79	.87	.82	.78	.85	.80	.77	.82	.79	.75	.80	.77	.74	.73
5.0	.83	.78	.73	.82	.77	.73	.80	.75	.72	.78	.74	.71	.76	.73	.70	.68
6.0	.79	.73	.69	.78	.72	.68	.76	.71	.68	.74	.70	.67	.73	.69	.66	.65
7.0	.75	.69	.65	.74	.68	.65	.72	.68	.64	.71	.67	.63	.70	.66	.63	.62
8.0	.71	.65	.62	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
9.0	.68	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56
10.0	.65	.60	.56	.65	.59	.56	.64	.59	.56	.63	.58	.55	.62	.58	.55	.54



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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 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	.193	.110	.035	.185	.106	.034	.170	.098	.031	.157	.091	.029	.145	.084	.027	
2.0	.180	.099	.030	.174	.096	.030	.161	.090	.028	.150	.084	.026	.140	.079	.025	
3.0	.168	.090	.027	.163	.087	.026	.152	.082	.025	.142	.078	.024	.133	.074	.023	
4.0	.158	.082	.024	.153	.080	.024	.143	.076	.023	.135	.072	.022	.127	.069	.021	
5.0	.148	.075	.022	.144	.074	.021	.135	.070	.021	.128	.067	.020	.121	.064	.019	
6.0	.139	.070	.020	.135	.068	.020	.128	.066	.019	.121	.063	.019	.115	.061	.018	
7.0	.131	.065	.018	.128	.064	.018	.122	.061	.018	.116	.059	.017	.110	.057	.017	
8.0	.124	.061	.017	.121	.060	.017	.116	.058	.016	.110	.056	.016	.105	.054	.016	
9.0	.118	.057	.016	.115	.056	.016	.110	.054	.015	.105	.053	.015	.101	.051	.015	
10.0	.112	.054	.015	.110	.053	.015	.105	.052	.015	.101	.050	.014	.097	.049	.014	

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	.215	.215	.215	.184	.184	.184	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.197	.182	.168	.168	.156	.145	.115	.107	.100	.066	.062	.058	.021	.020	.019	
2.0	.182	.157	.136	.156	.135	.118	.107	.094	.082	.062	.054	.048	.020	.018	.016	
3.0	.170	.138	.113	.145	.119	.098	.100	.083	.069	.058	.048	.041	.019	.016	.013	
4.0	.159	.124	.097	.137	.107	.084	.094	.075	.059	.054	.044	.035	.017	.014	.012	
5.0	.150	.112	.084	.129	.097	.073	.089	.068	.052	.051	.040	.031	.017	.013	.010	
6.0	.142	.103	.075	.122	.089	.065	.084	.062	.046	.049	.037	.027	.016	.012	.009	
7.0	.135	.095	.067	.116	.083	.059	.080	.058	.042	.047	.034	.025	.015	.011	.008	
8.0	.129	.089	.062	.111	.077	.054	.077	.054	.038	.045	.032	.023	.014	.010	.008	
9.0	.123	.084	.057	.106	.073	.050	.074	.051	.035	.043	.030	.021	.014	.010	.007	
10.0	.118	.079	.053	.102	.069	.046	.071	.048	.033	.041	.029	.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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 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		12.9	13.8	13.1	14.0	14.2	13.0	14.0	13.3	14.2	14.4
	3H	13.9	14.7	14.2	15.0	15.2	14.1	15.0	14.4	15.2	15.5
	4H	14.4	15.2	14.7	15.4	15.7	14.6	15.4	15.0	15.7	16.0
	6H	14.8	15.6	15.2	15.9	16.2	15.1	15.8	15.4	16.1	16.4
	8H	15.0	15.8	15.4	16.1	16.4	15.3	16.0	15.6	16.3	16.6
	12H	15.2	15.9	15.6	16.3	16.6	15.4	16.1	15.8	16.5	16.8
4H	2H	13.3	14.1	13.6	14.4	14.6	13.4	14.2	13.8	14.5	14.8
	3H	14.5	15.2	14.9	15.6	15.9	14.7	15.4	15.1	15.8	16.1
	4H	15.2	15.8	15.6	16.2	16.5	15.4	16.0	15.8	16.4	16.8
	6H	15.8	16.3	16.2	16.7	17.1	16.0	16.5	16.4	16.9	17.3
	8H	16.0	16.6	16.5	17.0	17.4	16.2	16.8	16.7	17.2	17.6
	12H	16.3	16.8	16.8	17.3	17.7	16.5	17.0	16.9	17.4	17.8
8H	4H	15.4	15.9	15.9	16.3	16.8	15.6	16.1	16.1	16.6	17.0
	6H	16.2	16.6	16.7	17.1	17.6	16.4	16.8	16.8	17.3	17.7
	8H	16.6	17.0	17.1	17.5	18.0	16.7	17.1	17.2	17.6	18.1
	12H	17.0	17.4	17.5	17.9	18.4	17.1	17.4	17.6	17.9	18.5
12H	4H	15.4	15.9	15.9	16.3	16.8	15.6	16.1	16.1	16.5	17.0
	6H	16.3	16.7	16.8	17.1	17.6	16.4	16.8	16.9	17.3	17.8
	8H	16.7	17.1	17.3	17.6	18.1	16.9	17.2	17.4	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.4					
1.5H	+ 0.5 / - 0.4					+ 0.3 / - 0.3					
2.0H	+ 0.5 / - 0.4					+ 0.4 / - 0.4					

CIE Pub.117 Corrected 648.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.5)

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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

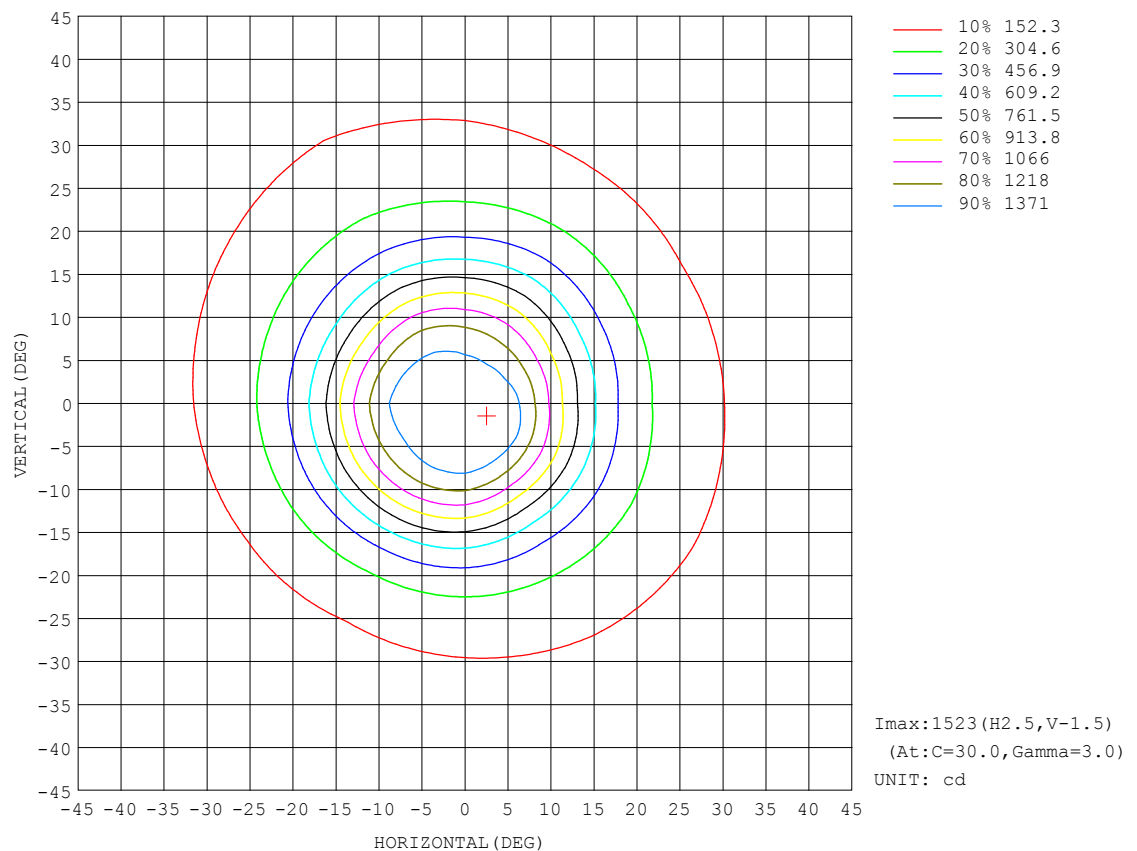
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	80	72	68	79	72	68	78	71	67	63
0.80	88	81	76	87	80	76	85	79	75	71
1.00	93	86	82	92	86	81	90	85	81	76
1.25	98	91	87	96	90	86	94	89	85	80
1.50	101	95	91	99	94	90	97	92	89	83
2.00	104	99	95	103	98	94	99	96	92	86
2.50	107	102	98	105	100	97	101	98	95	88
3.00	109	104	101	106	103	100	102	100	97	89
4.00	111	108	105	109	106	103	104	102	100	92
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

$\gamma$  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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:

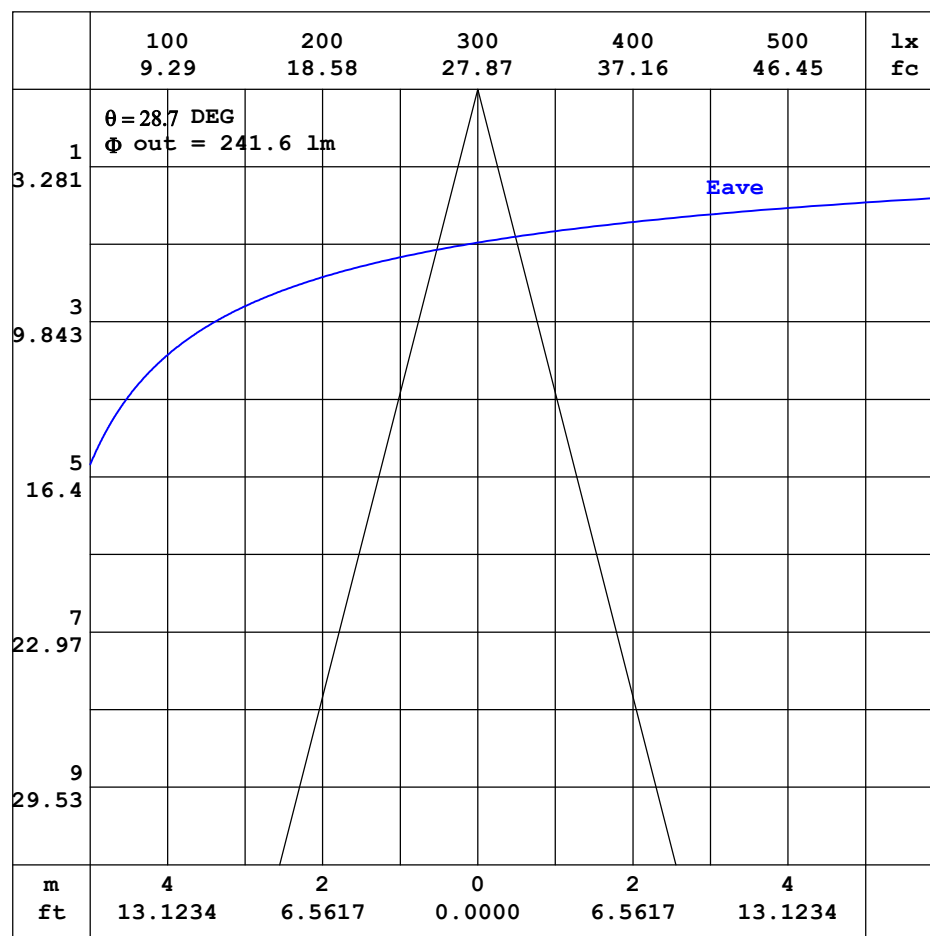


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-12-19

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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 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.

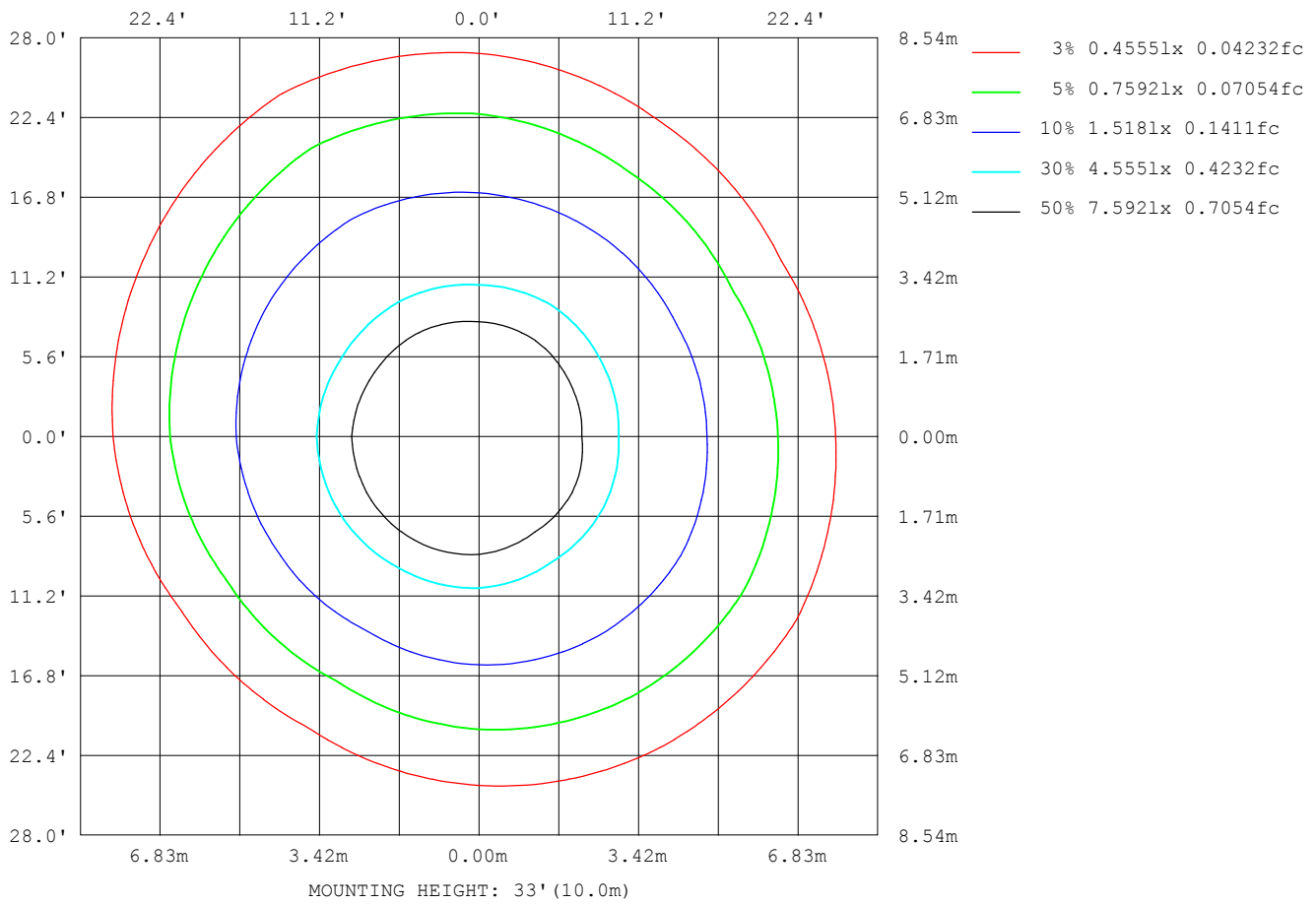
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-12-19

$\gamma$  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

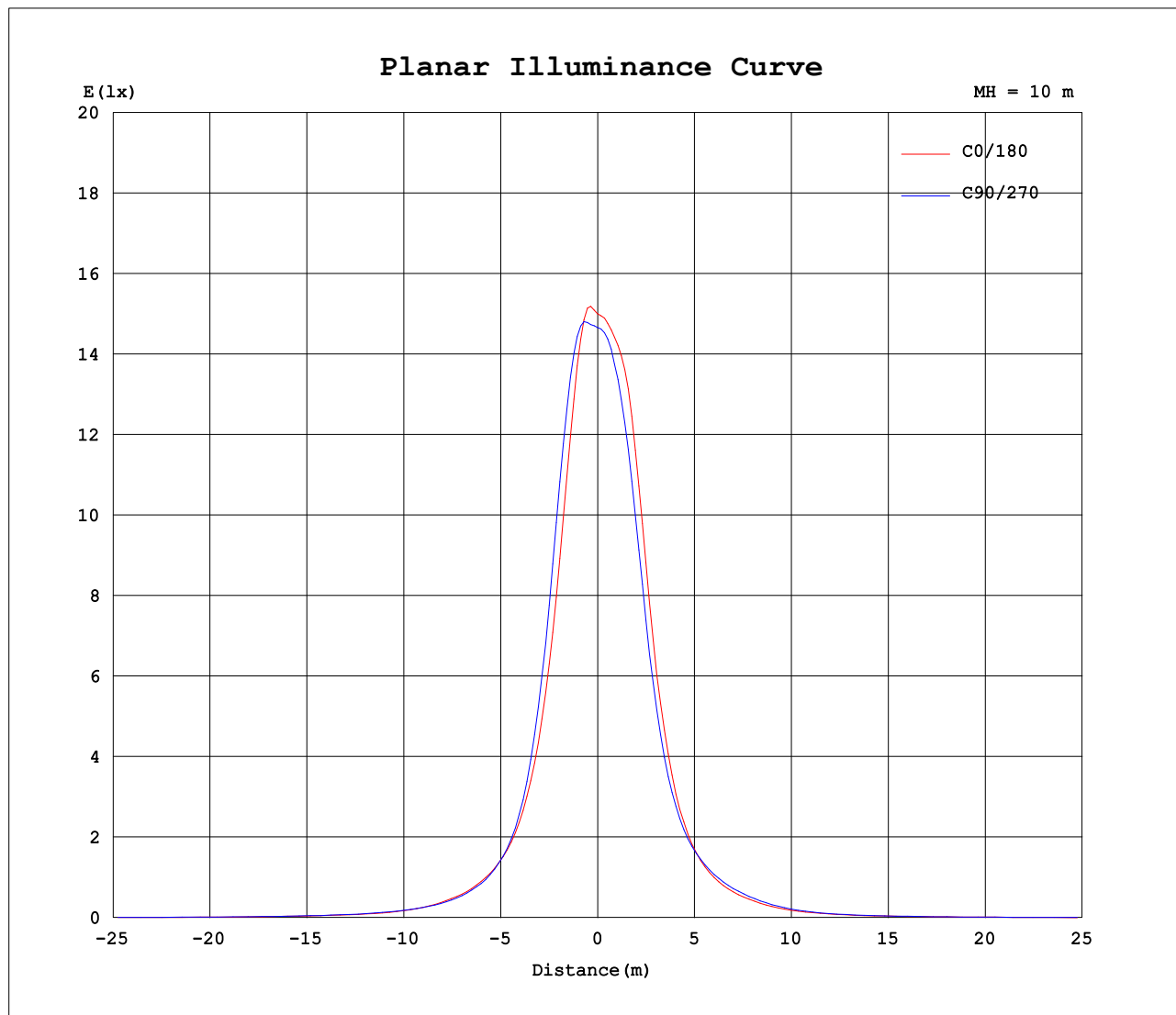
Test:U:24.00V I:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 lm		
NAME: LED Wall Grazer	TYPE:	WEIGHT:
DIM.: 18.5MM*18.5MM	SPEC.:	SERIAL No.:
MFR.:	SUR.:1*0.0185	PROTECTION ANGLE:



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:1.019A P:24.45W PF:1.000 Lamp Flux:648.583x1 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	1501	1487	1476	1467	1455	1449	1501	1487	1476	1467	1455	1449							
5	1454	1493	1496	1487	1462	1427	1459	1446	1425	1391	1377	1392							
10	1042	1109	1156	1233	1263	1278	1304	1239	1207	1135	1093	1046							
15	621	661	681	757	805	847	869	816	787	727	705	642							
20	364	389	388	408	419	460	491	472	455	423	416	376							
25	227	244	240	232	223	250	279	287	287	263	248	228							
30	154	165	159	147	134	147	173	188	198	183	162	147							
35	107	116	110	99.8	91.0	97.2	117	130	146	133	112	101							
40	74.6	82.6	78.3	71.2	65.6	69.4	80.7	92.4	105	93.8	79.6	70.8							
45	50.7	57.5	56.0	52.9	49.1	49.7	53.5	61.9	68.1	61.2	54.7	49.5							
50	35.8	40.3	41.0	39.5	37.5	36.1	36.2	40.6	44.0	40.3	38.2	35.6							
55	27.9	30.6	32.1	30.9	29.9	28.4	26.9	29.5	31.6	29.5	28.9	27.3							
60	22.8	24.8	26.0	25.1	24.4	23.2	21.2	22.8	24.4	23.2	22.8	21.8							
65	18.6	19.8	20.7	20.2	19.4	18.6	16.5	17.4	18.4	17.8	17.8	16.8							
70	14.5	15.3	15.9	15.6	14.9	14.3	12.2	12.5	13.3	12.9	13.2	12.5							
75	10.9	11.3	11.6	11.4	10.8	10.4	8.24	8.29	8.72	8.67	8.96	8.56							
80	7.58	7.86	7.86	7.65	7.19	7.04	4.88	4.77	4.92	4.87	5.37	5.28							
85	4.88	5.08	4.93	4.58	4.38	4.34	2.18	2.03	2.05	2.00	2.53	2.66							
90	2.91	2.91	2.93	2.80	2.83	2.72	0.78	0.82	0.89	0.88	0.98	0.99							
95	2.73	2.69	2.77	2.76	2.74	2.61	0.94	0.93	1.07	1.02	1.07	0.99							
100	2.63	2.65	2.71	2.71	2.66	2.55	1.13	1.13	1.27	1.19	1.21	1.16							
105	2.59	2.64	2.69	2.70	2.62	2.54	1.36	1.35	1.50	1.40	1.40	1.34							
110	2.60	2.65	2.69	2.71	2.61	2.54	1.61	1.61	1.75	1.64	1.64	1.58							
115	2.61	2.73	2.73	2.79	2.64	2.61	1.94	1.94	2.05	1.98	1.98	1.92							
120	2.79	2.92	2.94	3.00	2.84	2.77	2.35	2.38	2.46	2.44	2.43	2.38							
125	3.16	3.26	3.27	3.32	3.16	3.07	2.89	2.92	2.97	2.94	2.96	2.92							
130	3.66	3.74	3.73	3.77	3.59	3.50	3.48	3.49	3.51	3.50	3.51	3.49							
135	4.29	4.33	4.30	4.30	4.14	4.07	4.09	4.03	4.05	4.00	4.04	4.03							
140	4.97	4.98	4.88	4.88	4.75	4.68	4.59	4.50	4.50	4.43	4.48	4.47							
145	5.63	5.61	5.45	5.43	5.35	5.32	4.99	4.88	4.89	4.78	4.84	4.81							
150	6.18	6.13	5.91	5.90	5.86	5.91	5.26	5.18	5.18	5.05	5.10	5.09							
155	6.57	6.49	6.23	6.23	6.25	6.36	5.47	5.38	5.40	5.25	5.27	5.27							
160	6.73	6.58	6.36	6.39	6.48	6.61	5.65	5.58	5.58	5.37	5.36	5.36							
165	6.71	6.54	6.38	6.40	6.54	6.64	5.78	5.72	5.72	5.50	5.41	5.40							
170	6.49	6.32	6.35	6.40	6.50	6.55	5.87	5.83	5.88	5.68	5.54	5.42							
175	6.21	6.18	6.30	6.35	6.37	6.29	5.91	5.92	6.08	5.96	5.83	5.61							
180	6.09	6.15	6.24	6.30	6.19	6.02	6.08	6.09	6.26	6.24	6.20	5.99							

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	1501	1487	1476	1467	1455	1449	1501	1487	1476	1467
3.0	1521	1525	1510	1485	1461	1438	1483	1470	1462	1444
6.0	1393	1447	1457	1468	1454	1420	1445	1428	1400	1359
9.0	1138	1198	1250	1311	1333	1338	1363	1310	1270	1207
12.0	851.4	922.3	956.9	1049	1094	1126	1146	1073	1044	976.8
15.0	621.2	661.4	680.8	756.8	804.9	846.7	869.4	816.0	787.1	727.5
18.0	446.5	474.4	481.7	529.0	549.5	592.7	617.7	578.6	565.4	527.6
21.0	328.2	351.9	350.6	359.7	366.5	403.2	435.2	423.7	412.4	382.5
24.0	247.7	266.0	262.4	257.8	250.4	280.8	312.2	313.7	314.5	287.6
27.0	193.1	206.3	201.9	192.3	179.7	197.3	227.2	240.9	245.2	225.9
30.0	154.3	164.6	159.3	146.6	134.4	147.3	173.2	188.1	198.4	183.2
33.0	123.6	132.3	126.6	116.5	105.3	113.2	135.8	149.4	164.6	150.7
36.0	100.1	108.1	102.6	93.25	84.91	90.46	108.7	121.6	137.1	124.1
39.0	80.38	88.47	83.64	76.14	69.84	74.25	87.15	99.02	112.8	101.1
42.0	63.98	71.80	68.39	63.24	58.25	60.89	68.80	79.16	89.23	79.80
45.0	50.65	57.52	55.99	52.88	49.05	49.66	53.55	61.89	68.14	61.16
48.0	40.66	45.84	46.20	44.40	41.62	40.74	41.89	47.66	52.06	46.72
51.0	33.70	37.86	38.87	37.47	35.69	34.29	33.84	37.72	40.83	37.28
54.0	29.10	32.12	33.49	32.35	31.22	29.68	28.35	31.28	33.48	31.00
57.0	25.79	28.24	29.39	28.38	27.62	26.24	24.33	26.63	28.43	26.63
60.0	22.83	24.81	25.97	25.07	24.44	23.20	21.23	22.83	24.36	23.20
63.0	20.23	21.66	22.72	22.05	21.42	20.37	18.31	19.56	20.68	19.92
66.0	17.74	18.81	19.64	19.21	18.46	17.71	15.58	16.36	17.33	16.78
69.0	15.33	16.09	16.75	16.48	15.77	15.10	13.00	13.52	14.25	13.93
72.0	13.04	13.57	14.09	13.87	13.15	12.59	10.53	10.66	11.34	11.23
75.0	10.86	11.29	11.56	11.44	10.78	10.39	8.245	8.290	8.716	8.667
78.0	8.818	9.157	9.241	9.106	8.572	8.312	6.170	6.087	6.365	6.374
81.0	6.992	7.237	7.214	6.980	6.595	6.458	4.300	4.161	4.275	4.192
84.0	5.384	5.594	5.455	5.101	4.857	4.850	2.688	2.513	2.537	2.422
87.0	3.886	4.092	3.981	3.736	3.438	3.299	1.218	1.139	1.204	1.270
90.0	2.912	2.909	2.927	2.799	2.830	2.724	0.7842	0.8244	0.8948	0.8846
93.0	2.769	2.724	2.799	2.774	2.769	2.653	0.8599	0.8592	0.9755	0.9546
96.0	2.709	2.679	2.749	2.749	2.724	2.608	0.9655	0.9596	1.116	1.050
99.0	2.654	2.654	2.714	2.709	2.674	2.548	1.086	1.080	1.242	1.171
102.0	2.619	2.648	2.689	2.699	2.644	2.539	1.222	1.216	1.352	1.266
105.0	2.593	2.643	2.686	2.699	2.623	2.541	1.358	1.352	1.498	1.402
108.0	2.594	2.644	2.689	2.699	2.613	2.542	1.513	1.502	1.634	1.522
111.0	2.602	2.664	2.692	2.719	2.613	2.548	1.669	1.663	1.810	1.698
114.0	2.611	2.704	2.704	2.774	2.613	2.583	1.855	1.869	1.981	1.904
117.0	2.673	2.795	2.804	2.865	2.708	2.654	2.087	2.105	2.197	2.145
120.0	2.794	2.920	2.944	3.001	2.844	2.770	2.348	2.381	2.464	2.437
123.0	2.990	3.097	3.130	3.177	3.010	2.936	2.655	2.688	2.755	2.728
126.0	3.251	3.333	3.351	3.403	3.241	3.142	2.997	3.020	3.072	3.045
129.0	3.552	3.630	3.627	3.670	3.492	3.398	3.364	3.366	3.404	3.376
132.0	3.904	3.956	3.939	3.971	3.808	3.715	3.730	3.708	3.735	3.688
135.0	4.290	4.333	4.296	4.298	4.140	4.067	4.087	4.035	4.052	4.000
138.0	4.688	4.715	4.643	4.650	4.507	4.429	4.404	4.326	4.328	4.266
141.0	5.104	5.107	4.999	4.997	4.873	4.821	4.680	4.603	4.590	4.502
144.0	5.507	5.484	5.336	5.323	5.235	5.193	4.916	4.809	4.815	4.714
147.0	5.869	5.836	5.648	5.635	5.587	5.565	5.107	5.030	5.011	4.895
150.0	6.181	6.127	5.909	5.896	5.864	5.911	5.263	5.176	5.182	5.046
153.0	6.437	6.368	6.136	6.122	6.115	6.188	5.398	5.302	5.318	5.181
156.0	6.628	6.544	6.267	6.282	6.307	6.428	5.514	5.427	5.443	5.267
159.0	6.714	6.571	6.352	6.388	6.443	6.599	5.614	5.533	5.549	5.342
162.0	6.721	6.599	6.388	6.392	6.503	6.621	5.705	5.648	5.644	5.427
165.0	6.709	6.543	6.385	6.396	6.538	6.642	5.780	5.724	5.725	5.503
168.0	6.619	6.408	6.373	6.400	6.513	6.624	5.840	5.784	5.810	5.599
171.0	6.424	6.307	6.343	6.390	6.488	6.503	5.870	5.848	5.906	5.744
174.0	6.248	6.211	6.313	6.372	6.408	6.347	5.895	5.920	6.036	5.905
177.0	6.152	6.152	6.297	6.317	6.318	6.171	5.981	5.990	6.177	6.080
180.0	6.091	6.152	6.242	6.302	6.192	6.021	6.081	6.091	6.257	6.242
G/C	300.0	330.0								
0.0	1455	1449								
3.0	1432	1445								
6.0	1337	1342								
9.0	1164	1134								
12.0	939.1	874.6								
15.0	705.0	641.7								
18.0	513.6	469.9								
21.0	373.2	338.5								
24.0	273.1	252.2								
27.0	206.8	189.6								
30.0	161.7	146.8								

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

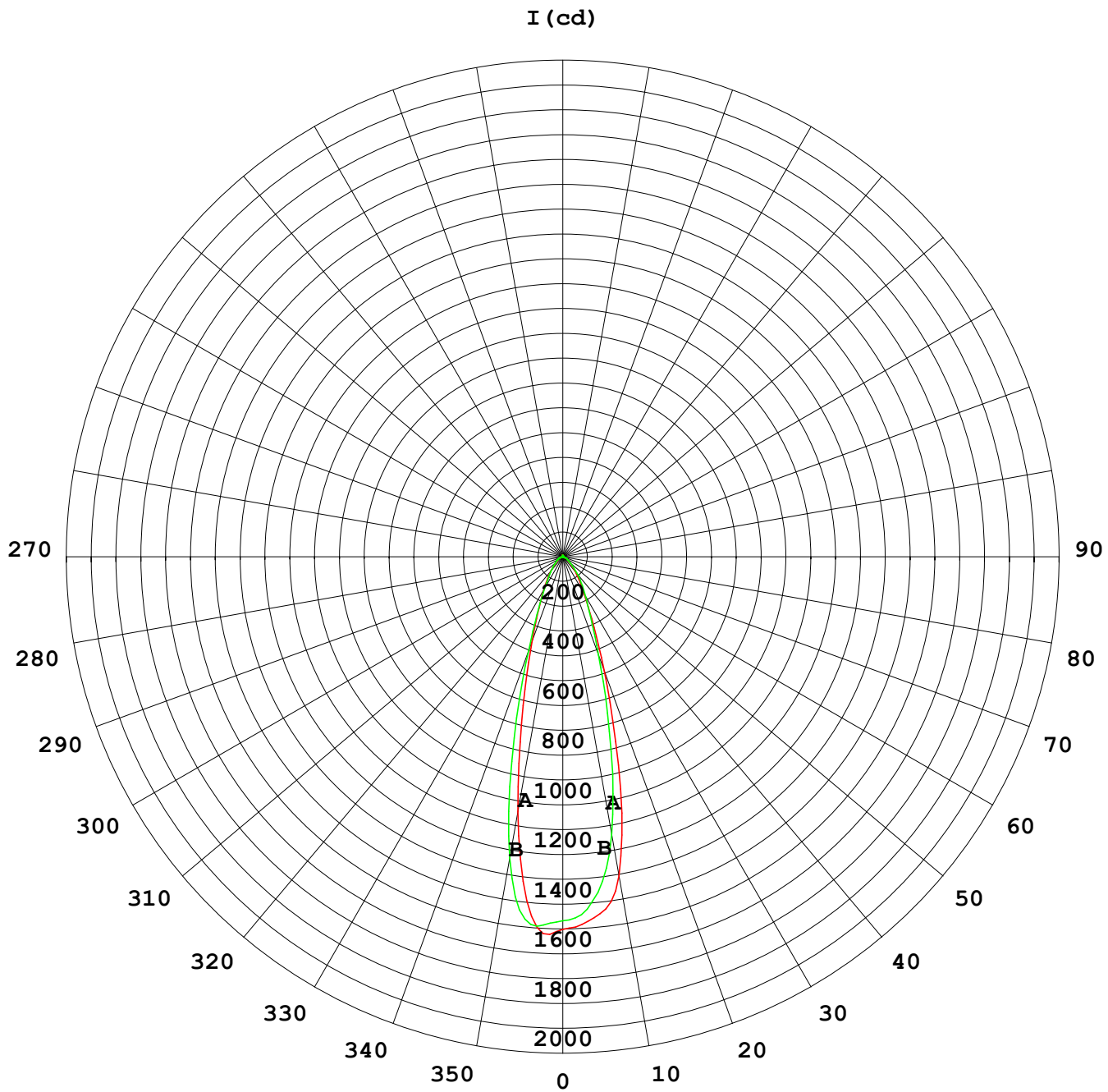
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

33.0	129.4	116.8
36.0	104.9	93.76
39.0	85.39	75.97
42.0	68.75	61.32
45.0	54.71	49.51
48.0	43.78	40.12
51.0	35.87	33.46
54.0	30.42	28.62
57.0	26.32	24.86
60.0	22.84	21.77
63.0	19.78	18.73
66.0	16.91	15.88
69.0	14.07	13.34
72.0	11.42	10.88
75.0	8.963	8.561
78.0	6.717	6.519
81.0	4.732	4.743
84.0	3.029	3.116
87.0	1.635	1.793
90.0	0.9750	0.9860
93.0	1.021	0.9913
96.0	1.096	1.020
99.0	1.186	1.110
102.0	1.282	1.226
105.0	1.403	1.342
108.0	1.543	1.482
111.0	1.699	1.633
114.0	1.911	1.844
117.0	2.157	2.085
120.0	2.428	2.381
123.0	2.735	2.698
126.0	3.067	3.030
129.0	3.394	3.376
132.0	3.725	3.723
135.0	4.037	4.030
138.0	4.313	4.306
141.0	4.559	4.548
144.0	4.775	4.759
147.0	4.951	4.935
150.0	5.102	5.086
153.0	5.217	5.191
156.0	5.297	5.292
159.0	5.348	5.357
162.0	5.373	5.387
165.0	5.413	5.398
168.0	5.468	5.413
171.0	5.584	5.428
174.0	5.760	5.553
177.0	5.981	5.754
180.0	6.197	5.986

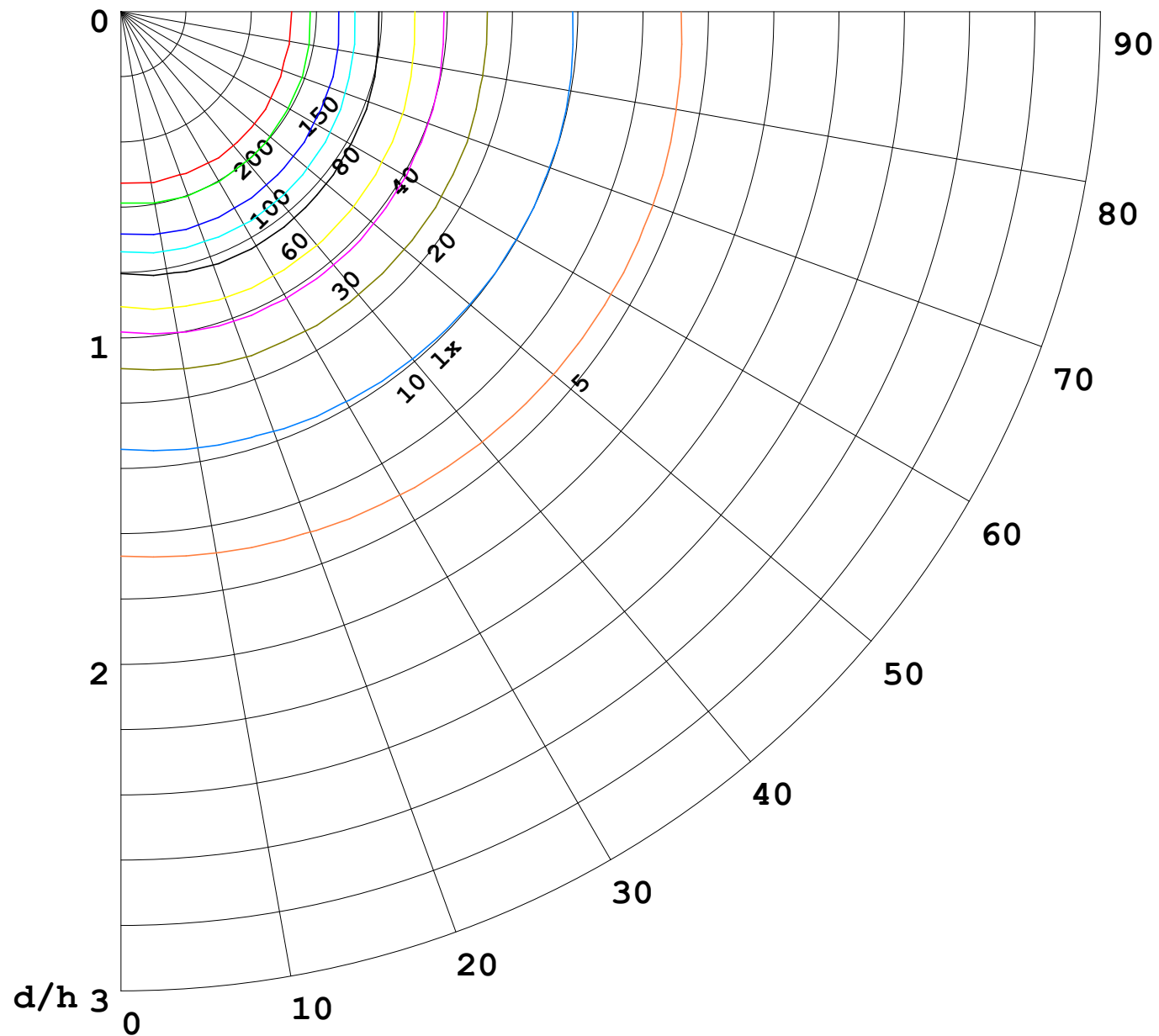
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



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

