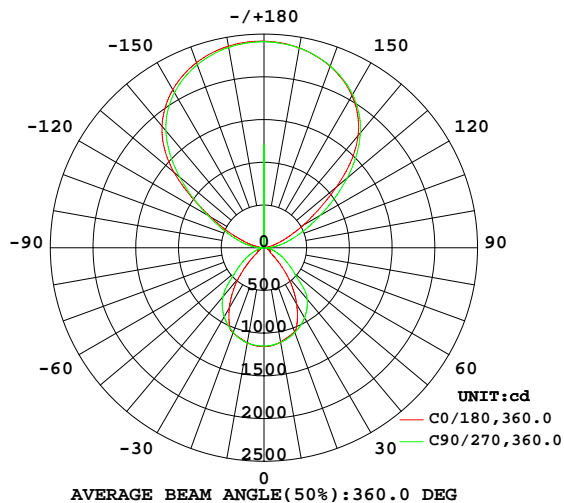


## LUMINAIRE PHOTOMETRIC TEST REPORT

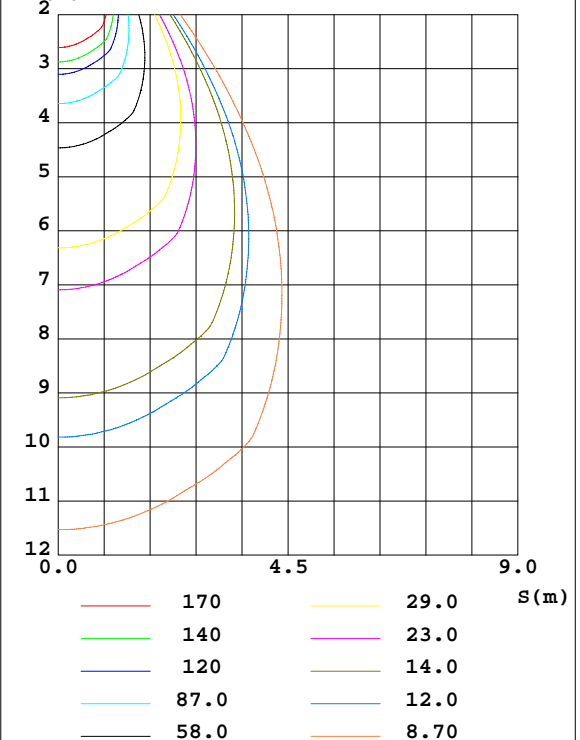
Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.44 lm/W			
MODEL		I <sub>max</sub> (cd)	2420	S/MH(C0/180)	1.07
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7983.2	η UP,DN(C0-180)	37.1,12.9
NOMINAL FLUX(lm)	7983.18	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	37.5,12.5
LAMPS INSIDE	1	η up(%)	74.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	25.4	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

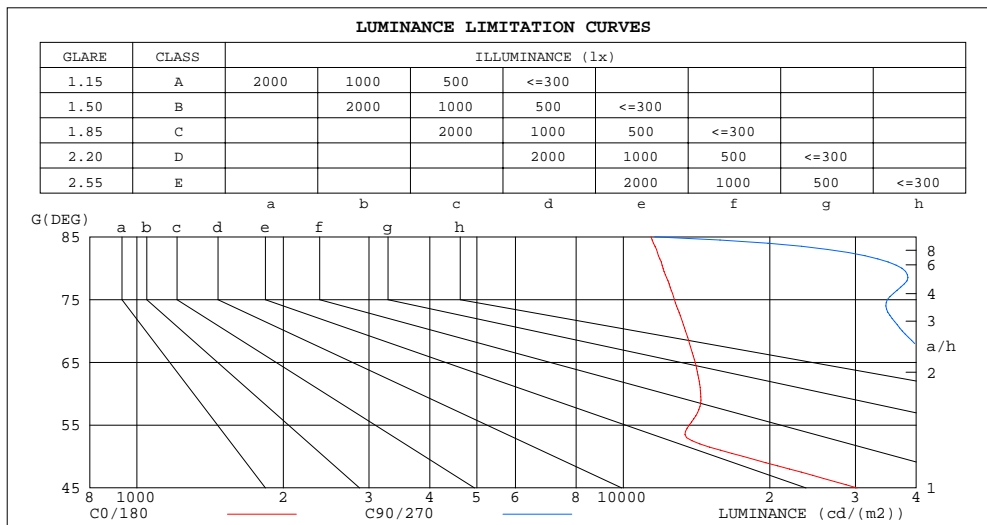
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1120	1119	1125	1124	1129	1131	1131	1122	0- 10	108.6	108.6	1.36,1.36
20	1047	1039	1056	1045	1059	1051	1054	1041	10- 20	307.6	416.2	5.21,5.21
30	767.3	912.5	948.7	944.6	813.4	941.2	931.7	908.2	20- 30	451.2	867.4	10.9,10.9
40	417.7	619.8	788.0	662.1	463.9	646.2	747.3	605.1	30- 40	474.4	1342	16.8,16.8
50	133.0	266.6	468.9	296.8	159.1	283.0	429.9	255.2	40- 50	345.9	1688	21.1,21.1
60	84.55	94.97	283.9	108.0	87.68	103.2	242.4	89.74	50- 60	173.4	1861	23.3,23.3
70	53.83	58.15	150.2	60.68	58.10	57.53	108.8	54.95	60- 70	99.90	1961	24.6,24.6
80	24.57	26.26	76.16	29.00	28.34	27.52	35.34	24.92	70- 80	51.74	2013	25.2,25.2
90	0.5069	0.9622	0.8419	2.861	2.586	2.296	1.168	0.9021	80- 90	15.09	2028	25.4,25.4
100	40.13	65.36	183.7	113.3	89.21	114.3	186.1	66.16	90-100	50.77	2079	26.26
110	196.0	279.9	407.5	367.3	302.5	365.1	403.9	279.3	100-110	220.0	2299	28.8,28.8
120	534.4	658.4	764.9	813.4	721.9	811.3	760.6	654.6	110-120	497.7	2796	35.35
130	1106	1214	1270	1356	1376	1368	1287	1221	120-130	877.2	3674	46.46
140	1714	1720	1755	1821	1856	1835	1786	1744	130-140	1189	4862	60.9,60.9
150	2059	2053	2073	2114	2136	2122	2096	2076	140-150	1220	6082	76.2,76.2
160	2261	2252	2266	2291	2306	2294	2282	2271	150-160	1012	7094	88.9,88.9
170	2376	2365	2374	2387	2396	2386	2382	2380	160-170	660.3	7754	97.1,97.1
180	2417	2417	2417	2417	2417	2417	2417	2417	170-180	228.8	7983	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11405	11603
80	12064	37389
75	12732	34898
70	13418	37448
65	14055	43031
60	14416	48408
55	13661	54698
50	17640	62195
45	30224	77397

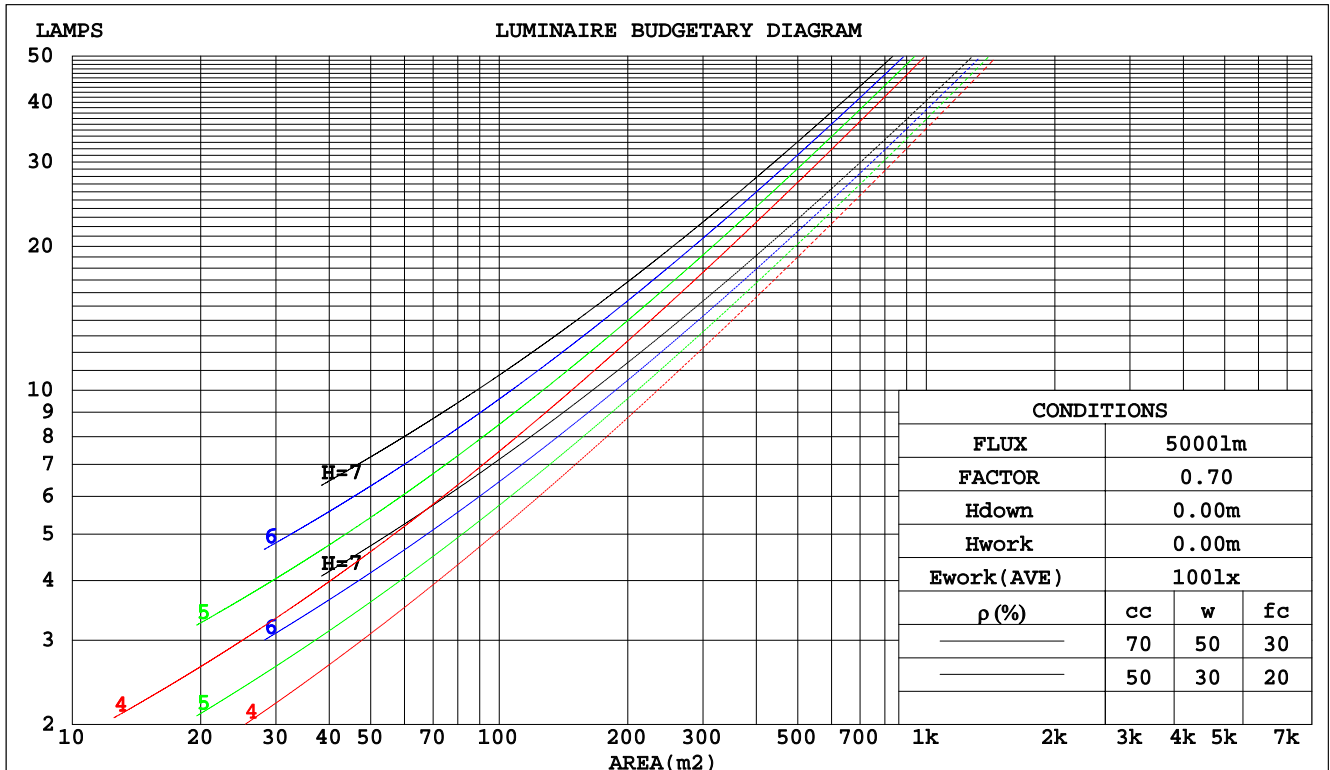
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1.01	1.01	1.01	.90	.90	.90	.70	.70	.70	.51	.51	.51	.34	.34	.34	.25
1.0	.89	.85	.82	.79	.77	.74	.62	.60	.58	.45	.44	.43	.30	.30	.29	.23
2.0	.78	.73	.68	.70	.66	.62	.55	.52	.49	.41	.39	.37	.28	.27	.26	.20
3.0	.69	.63	.57	.62	.57	.52	.49	.45	.42	.36	.34	.32	.25	.24	.23	.18
4.0	.62	.54	.49	.55	.49	.45	.44	.40	.36	.33	.30	.28	.23	.21	.20	.16
5.0	.55	.48	.42	.50	.43	.39	.39	.35	.32	.30	.27	.25	.21	.19	.18	.14
6.0	.50	.42	.37	.45	.38	.34	.36	.31	.28	.27	.24	.22	.19	.17	.16	.13
7.0	.45	.37	.32	.40	.34	.30	.32	.28	.24	.25	.22	.19	.18	.16	.14	.11
8.0	.41	.33	.29	.37	.31	.26	.30	.25	.22	.23	.20	.17	.16	.14	.13	.10
9.0	.37	.30	.25	.34	.28	.23	.27	.23	.20	.21	.18	.16	.15	.13	.12	.10
10.0	.34	.27	.23	.31	.25	.21	.25	.21	.18	.19	.16	.14	.14	.12	.11	.09



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## WEC AND CCEC

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 500*72*85			SERIAL No.:		
MFR.:			SUR.:0.326*0.036			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	.253	.144	.046	.224	.127	.041	.168	.097	.031	.118	.068	.022	.071	.041	.013	
2.0	.235	.129	.040	.208	.115	.035	.158	.088	.027	.111	.062	.020	.068	.039	.012	
3.0	.218	.116	.035	.194	.104	.031	.147	.080	.024	.105	.057	.018	.065	.036	.011	
4.0	.203	.105	.031	.180	.094	.028	.138	.073	.022	.098	.053	.016	.061	.033	.010	
5.0	.189	.096	.028	.168	.086	.025	.129	.067	.020	.092	.049	.014	.058	.031	.009	
6.0	.177	.089	.025	.158	.080	.023	.121	.062	.018	.087	.045	.013	.055	.029	.009	
7.0	.166	.082	.023	.148	.074	.021	.114	.058	.017	.082	.042	.012	.052	.027	.008	
8.0	.156	.076	.021	.139	.068	.019	.107	.054	.015	.078	.039	.011	.050	.025	.007	
9.0	.147	.071	.020	.131	.064	.018	.101	.050	.014	.073	.037	.011	.047	.024	.007	
10.0	.139	.066	.018	.124	.060	.017	.096	.047	.013	.070	.035	.010	.045	.023	.006	

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	.759	.759	.759	.649	.649	.649	.443	.443	.443	.254	.254	.254	.081	.081	.081	
1.0	.749	.730	.712	.641	.626	.613	.439	.431	.424	.252	.249	.246	.081	.080	.080	
2.0	.742	.709	.682	.635	.610	.589	.435	.422	.411	.251	.246	.241	.081	.079	.079	
3.0	.735	.694	.662	.630	.599	.574	.432	.416	.402	.250	.243	.237	.080	.079	.078	
4.0	.728	.683	.648	.625	.590	.563	.430	.411	.396	.249	.241	.234	.080	.078	.077	
5.0	.722	.674	.638	.620	.583	.555	.427	.407	.392	.247	.239	.232	.080	.078	.077	
6.0	.716	.666	.631	.616	.577	.549	.425	.404	.389	.246	.238	.231	.079	.078	.076	
7.0	.711	.661	.625	.611	.573	.545	.422	.401	.386	.245	.237	.230	.079	.077	.076	
8.0	.706	.656	.621	.607	.569	.542	.420	.399	.384	.244	.236	.229	.079	.077	.076	
9.0	.701	.652	.618	.604	.566	.539	.418	.398	.383	.244	.235	.228	.079	.077	.076	
10.0	.696	.648	.616	.600	.563	.537	.416	.396	.382	.243	.234	.228	.079	.077	.076	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-03-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:11.700m [K=0.8547]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 500*72*85			SERIAL No.:			
MFR.:					SUR.:0.326*0.036			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	15.4	16.1	16.5	17.2	18.6	20.0	20.7	21.1	21.8	23.2	
	3H	15.8	16.4	16.9	17.5	19.0	20.7	21.4	21.8	22.5	23.9
	4H	16.0	16.6	17.1	17.6	19.1	21.0	21.6	22.1	22.7	24.2
	6H	16.1	16.6	17.2	17.7	19.3	21.4	21.9	22.5	23.0	24.5
	8H	16.1	16.7	17.3	17.8	19.3	21.5	22.0	22.6	23.1	24.6
	12H	16.1	16.6	17.3	17.7	19.3	21.4	21.9	22.6	23.0	24.6
4H	2H	15.4	16.0	16.5	17.1	18.6	19.6	20.2	20.7	21.3	22.8
	3H	15.9	16.4	17.1	17.5	19.1	20.4	20.9	21.5	22.0	23.5
	4H	16.2	16.7	17.4	17.8	19.4	20.7	21.2	21.9	22.3	23.8
	6H	16.5	16.9	17.7	18.0	19.6	21.2	21.6	22.3	22.7	24.3
	8H	16.6	16.9	17.7	18.1	19.7	21.3	21.7	22.5	22.8	24.4
	12H	16.6	16.9	17.8	18.1	19.7	21.3	21.6	22.5	22.8	24.4
8H	4H	16.3	16.6	17.4	17.8	19.3	20.5	20.8	21.7	22.0	23.6
	6H	16.6	16.9	17.8	18.1	19.7	21.0	21.3	22.2	22.4	24.0
	8H	16.8	17.0	18.0	18.2	19.8	21.2	21.4	22.3	22.6	24.2
	12H	16.9	17.1	18.1	18.3	19.9	21.2	21.4	22.4	22.6	24.2
12H	4H	16.2	16.5	17.4	17.7	19.3	20.4	20.7	21.6	21.9	23.5
	6H	16.6	16.9	17.8	18.0	19.6	20.9	21.1	22.1	22.3	23.9
	8H	16.8	17.0	18.0	18.2	19.8	21.1	21.3	22.3	22.5	24.1
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.3					+ 0.5 / - 0.6					
1.5H	+ 1.2 / - 1.6					+ 0.7 / - 1.2					
2.0H	+ 1.4 / - 0.7					+ 2.0 / - 2.2					

CIE Pub.117, 7983 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.2$ )

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-03-28

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:11.700m [K=0.8547]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

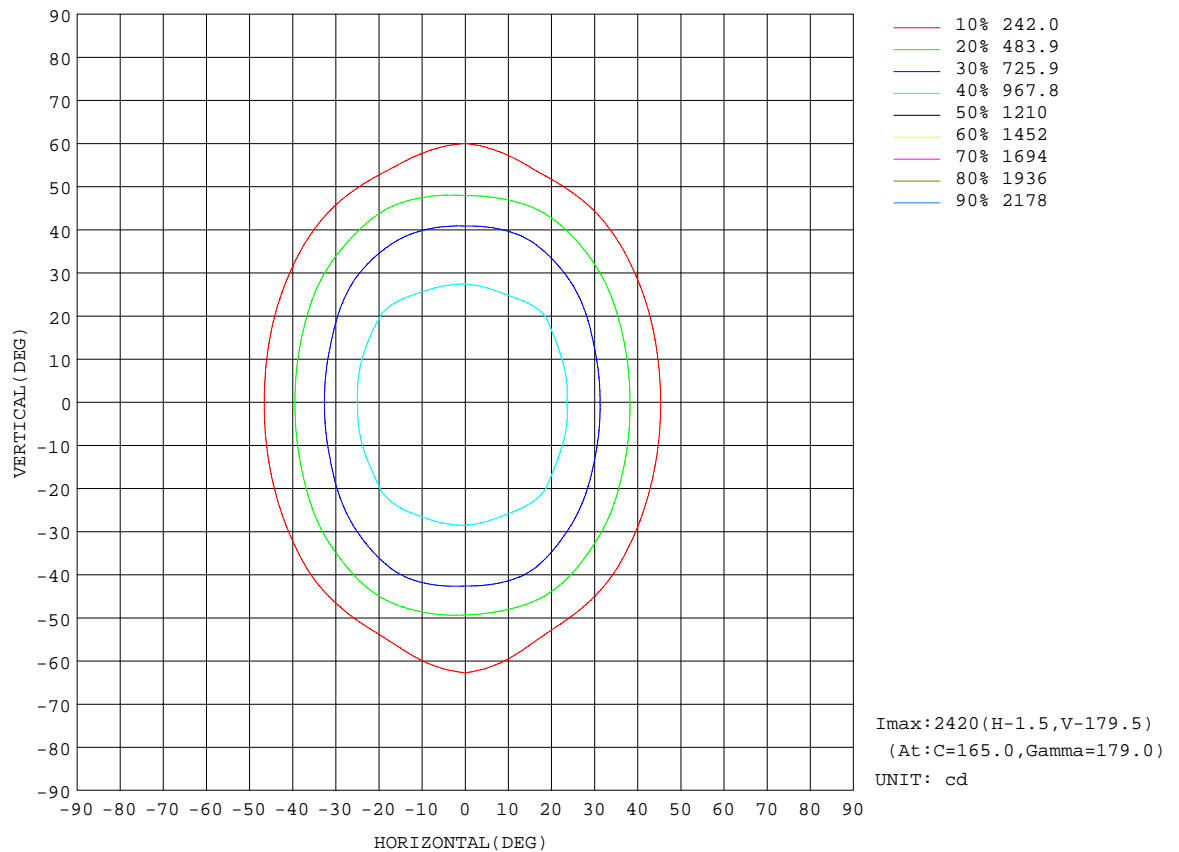
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	41	31	25	37	29	24	31	25	21	13
0.80	50	39	33	45	36	31	37	31	26	15
1.00	57	46	39	52	42	37	42	36	31	17
1.25	64	53	46	57	49	43	46	40	36	18
1.50	69	59	52	62	53	47	49	43	39	20
2.00	75	66	60	68	60	54	53	48	45	21
2.50	80	71	65	71	65	59	56	52	48	21
3.00	83	76	70	74	68	63	58	54	51	22
4.00	87	81	76	78	73	69	61	57	55	23
5.00	90	84	80	80	76	72	62	60	57	23
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



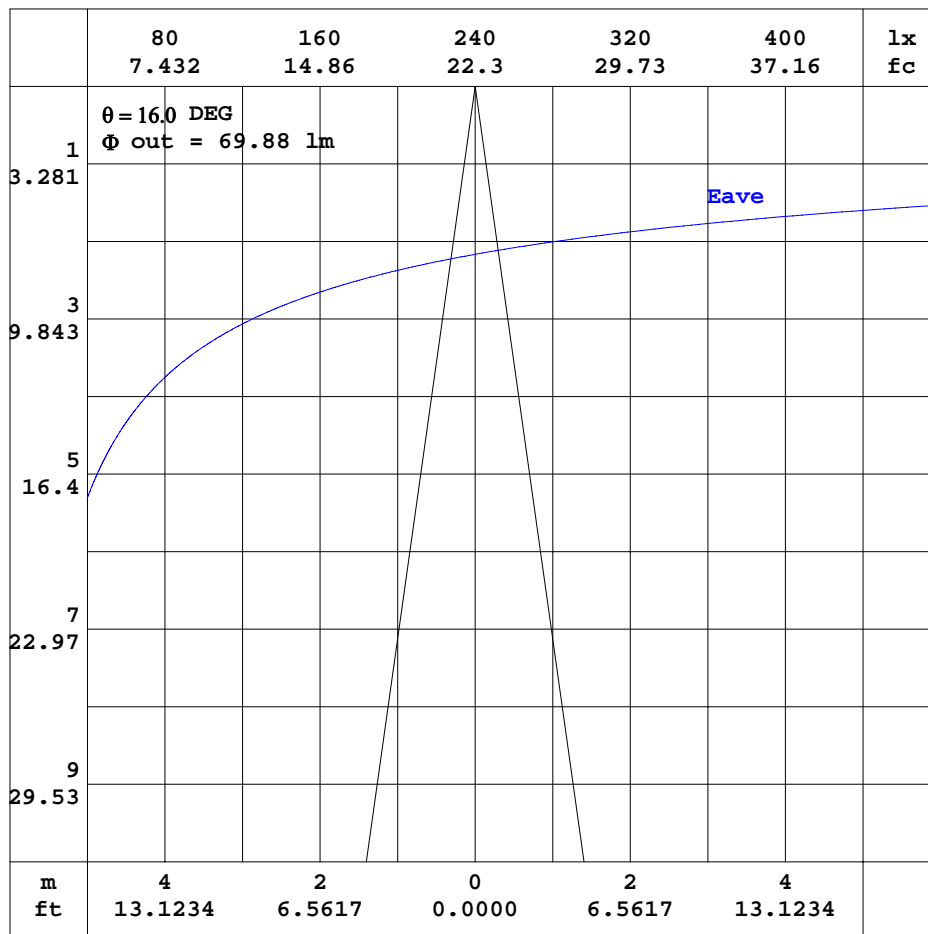
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity: 65.0%  
Test Distance: 11.700m [K=0.8547]  
Remarks:



## AAI CURVES

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



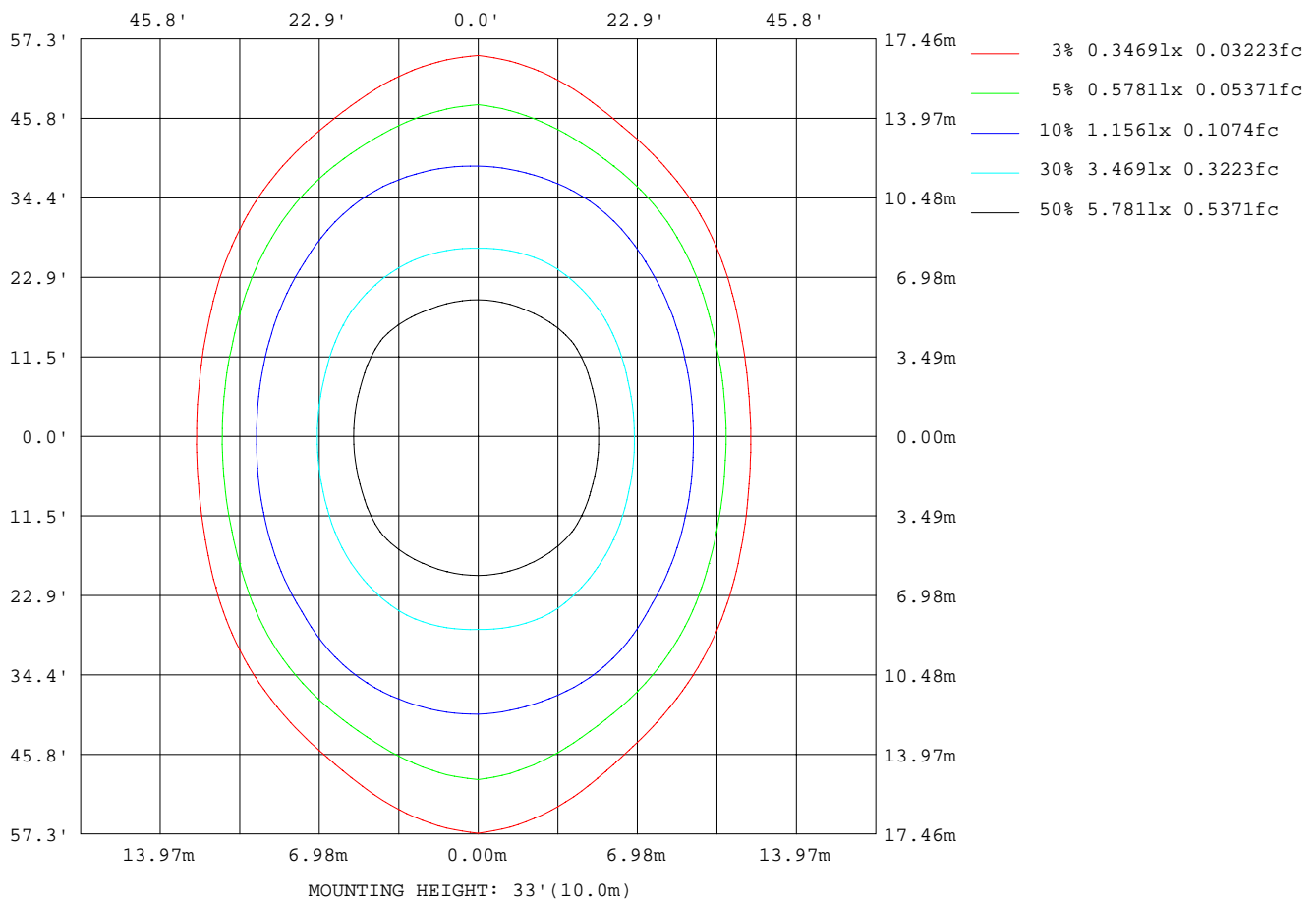
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## ISOLUX DIAGRAM

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity: 65.0%  
Test Distance: 11.700m [K=0.8547]  
Remarks:

## LED Avg.L Report

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

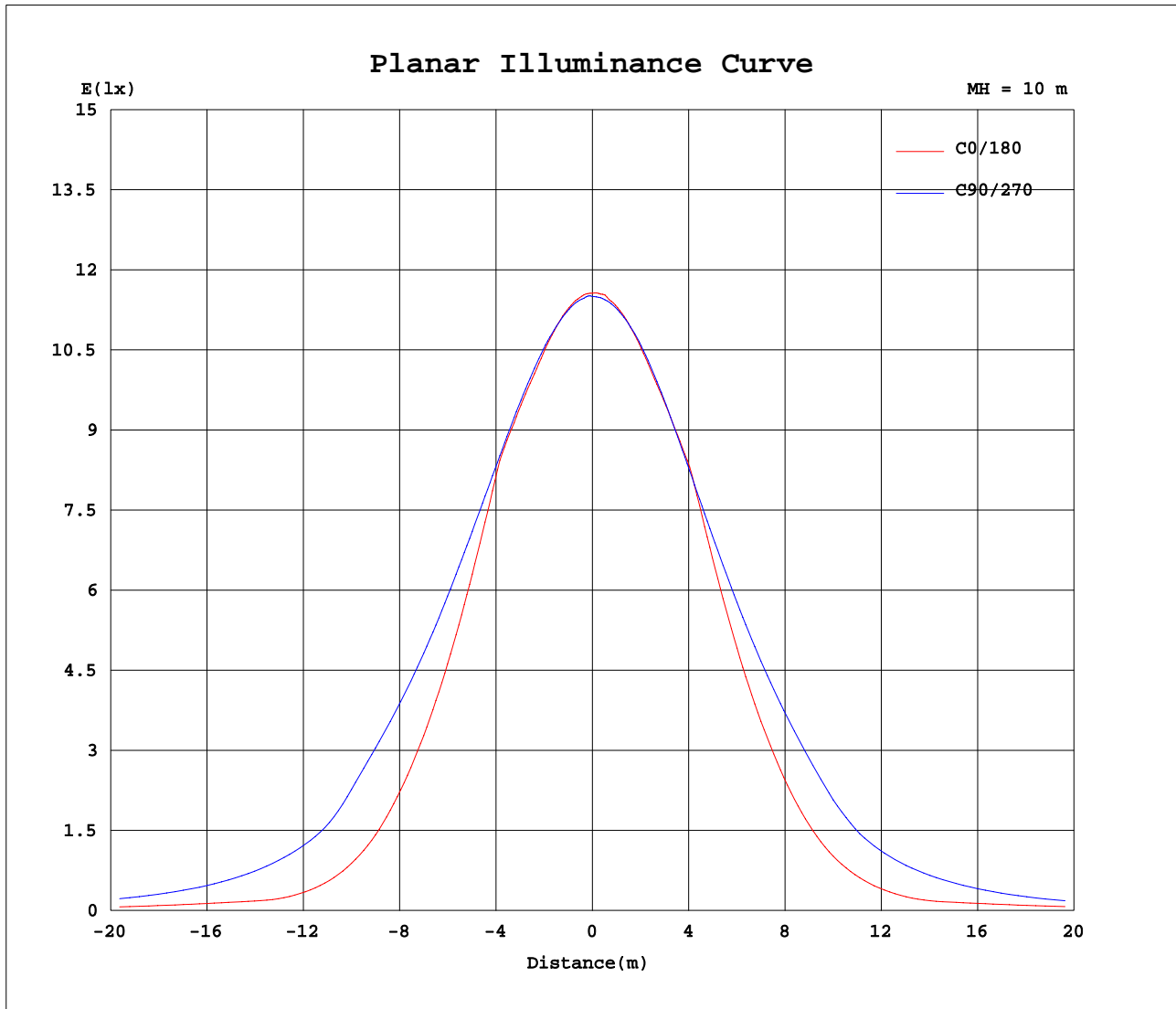
AvgL	cd/m2
L_0~180(65)av	14461
L_0~180(75)av	13406
L_0~180(85)av	13026
L_90~270(65)av	38714
L_90~270(75)av	28518
L_90~270(85)av	6952
L_45(65)av	13952
L_45(75)av	13852
L_45(85)av	13103

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-03-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity: 65.0%  
Test Distance: 11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 500*72*85						SERIAL No.:		
MFR.:									SUR.:0.326*0.036						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1156	1156	1155	1155	1154	1154	1153	1153	1152	1152	1151	1151	1151	1150	1150	1150	1150	1150	1150
5	1147	1146	1146	1146	1145	1145	1144	1143	1143	1142	1142	1142	1142	1143	1143	1143	1143	1144	1144
10	1120	1120	1120	1119	1119	1119	1119	1119	1119	1119	1119	1119	1120	1121	1122	1123	1123	1124	1125
15	1085	1084	1083	1082	1082	1081	1081	1080	1081	1081	1083	1085	1088	1090	1092	1093	1094	1095	1095
20	1047	1046	1045	1044	1043	1041	1040	1039	1039	1039	1040	1042	1045	1048	1050	1052	1054	1055	1056
25	925	931	937	944	951	959	968	976	984	991	994	996	997	998	999	1002	1004	1006	1008
30	767	771	777	787	800	819	843	867	891	912	922	928	932	934	937	941	944	947	949
35	596	601	610	622	639	661	688	717	746	775	799	821	841	857	868	874	877	878	877
40	418	422	431	444	462	486	516	549	584	620	658	694	728	757	777	785	789	790	788
45	251	253	260	271	286	306	331	360	392	427	472	518	562	601	626	638	643	644	642
50	133	135	140	148	159	175	194	215	240	267	299	332	364	394	419	438	453	463	469
55	91.9	86.2	83.8	84.8	89.2	97.6	110	125	142	161	181	202	224	247	274	305	332	354	368
60	84.5	83.6	83.2	83.3	83.9	83.9	83.5	84.8	88.4	95.0	110	128	148	170	196	224	250	271	284
65	69.7	70.0	70.4	70.6	70.8	69.8	67.8	66.9	67.7	70.9	81.5	94.6	110	127	146	168	187	203	213
70	53.8	53.9	54.1	54.4	54.8	54.8	54.6	54.9	56.0	58.2	62.4	68.0	75.0	83.5	96.4	113	128	141	150
75	38.7	38.7	38.9	39.1	39.4	39.7	40.2	40.7	41.2	41.8	40.2	39.3	39.7	42.1	51.4	67.1	82.7	96.3	106
80	24.6	24.6	24.7	24.9	25.0	25.2	25.3	25.5	25.8	26.3	25.5	25.3	26.1	28.3	35.6	47.3	59.0	69.1	76.2
85	11.7	11.7	11.7	11.8	11.9	12.0	12.1	12.2	12.4	12.6	12.9	13.2	13.5	13.6	13.5	13.0	12.5	12.1	11.9
90	0.51	0.48	0.48	0.49	0.53	0.58	0.65	0.74	0.84	0.96	1.15	1.33	1.49	1.60	1.54	1.33	1.12	0.94	0.84
95	22.9	23.4	23.7	23.8	23.8	23.3	22.5	21.7	21.3	21.3	21.3	22.4	24.9	29.1	38.5	52.4	66.4	79.0	88.7
100	40.1	39.2	39.3	40.2	42.1	44.5	47.6	51.9	57.8	65.4	77.3	90.7	105	120	135	150	164	175	184
105	99.6	98.4	99.0	102	106	112	120	130	142	156	175	194	214	232	248	261	271	279	286
110	196	196	198	202	209	219	231	246	262	280	303	326	348	369	384	393	399	404	407
115	337	338	341	347	356	367	381	397	415	435	459	482	505	527	542	551	558	563	567
120	534	532	533	539	548	564	586	609	634	658	677	694	709	723	734	743	751	759	765
125	780	779	782	790	803	822	849	877	904	929	941	949	955	960	968	977	986	996	1005
130	1106	1110	1116	1124	1134	1148	1165	1182	1199	1214	1219	1222	1225	1227	1232	1241	1250	1260	1270
135	1444	1445	1446	1449	1452	1457	1464	1471	1477	1483	1486	1487	1489	1491	1496	1503	1512	1521	1530
140	1714	1710	1707	1705	1705	1706	1709	1712	1716	1720	1721	1721	1723	1724	1728	1734	1741	1748	1755
145	1910	1905	1902	1899	1898	1898	1900	1902	1905	1908	1908	1909	1910	1911	1914	1919	1923	1929	1934
150	2059	2054	2050	2047	2046	2045	2047	2048	2050	2053	2053	2054	2054	2055	2058	2061	2065	2069	2073
155	2173	2169	2165	2162	2161	2160	2160	2161	2163	2164	2165	2165	2166	2167	2169	2172	2175	2178	2181
160	2261	2257	2253	2250	2248	2248	2248	2249	2250	2252	2252	2253	2254	2255	2256	2258	2261	2263	2266
165	2328	2324	2320	2317	2315	2315	2315	2316	2317	2318	2319	2319	2320	2321	2322	2323	2325	2326	2328
170	2376	2372	2368	2366	2364	2363	2363	2363	2364	2365	2366	2366	2367	2368	2369	2370	2371	2373	2374
175	2405	2401	2398	2396	2394	2393	2393	2394	2394	2395	2396	2396	2397	2397	2398	2398	2399	2400	2400
180	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*85	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1150	1150	1150	1149	1149	1150	1150	1150	1150	1150	1150	1150	1150	1150	1152	1154	1155	1156	1156
5	1144	1143	1143	1143	1143	1143	1144	1144	1144	1144	1144	1144	1144	1145	1147	1148	1150	1151	1151
10	1125	1125	1125	1125	1125	1125	1124	1124	1124	1123	1123	1123	1123	1124	1125	1126	1128	1129	1129
15	1096	1096	1096	1095	1095	1094	1092	1091	1090	1088	1087	1086	1085	1086	1088	1090	1092	1094	1093
20	1056	1057	1056	1056	1054	1051	1049	1046	1045	1045	1045	1047	1048	1050	1053	1055	1057	1059	1059
25	1008	1008	1007	1006	1005	1004	1003	1002	1000	998	996	994	991	986	980	974	969	966	970
30	948	948	946	945	946	949	950	949	945	926	905	882	859	842	830	821	815	813	816
35	879	879	877	874	868	859	847	832	814	787	759	731	704	682	667	656	648	645	647
40	792	795	794	789	775	752	725	694	662	628	594	562	532	507	489	476	468	464	467
45	648	652	652	645	626	594	556	516	475	441	408	378	351	329	312	300	292	288	290
50	471	468	461	448	426	397	364	330	297	269	244	221	202	186	174	166	161	159	160
55	358	340	317	290	265	244	223	203	183	163	144	127	112	102	96.5	93.2	92.0	92.4	91.5
60	273	255	232	205	181	160	141	123	108	99.0	92.6	88.4	86.1	85.1	85.0	85.6	86.6	87.7	86.5
65	205	191	173	152	132	114	97.3	82.6	70.7	67.8	67.7	69.6	72.5	74.2	74.2	74.1	73.9	73.7	73.7
70	144	133	119	104	91.4	81.8	73.4	66.3	60.7	58.4	57.5	57.5	58.1	58.5	58.3	58.2	58.2	58.1	58.0
75	96.9	83.9	68.8	53.6	44.6	42.4	42.1	43.0	44.6	44.2	43.8	43.5	43.2	43.0	42.9	42.8	42.8	42.7	42.6
80	69.5	59.9	48.7	37.3	30.4	28.4	27.7	28.1	29.0	28.7	28.6	28.5	28.5	28.4	28.4	28.4	28.4	28.3	28.3
85	12.5	13.3	14.1	14.9	15.3	15.4	15.3	15.2	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
90	1.15	1.54	1.96	2.38	2.66	2.79	2.85	2.88	2.86	2.83	2.78	2.71	2.65	2.61	2.60	2.59	2.59	2.59	2.57
95	85.9	79.8	71.5	62.1	54.4	48.9	44.0	39.9	36.4	34.5	33.2	32.5	32.2	32.0	31.8	31.7	31.7	31.8	31.8
100	184	182	177	169	159	148	136	124	113	106	101	96.7	93.5	91.2	89.8	89.1	88.9	89.2	89.1
105	291	294	294	291	283	271	256	241	225	214	204	195	188	182	178	175	174	173	174
110	415	422	426	428	423	412	398	383	367	355	343	332	323	315	310	306	303	303	304
115	574	580	585	588	589	586	580	573	564	551	536	522	509	500	495	492	491	491	492
120	772	778	784	790	797	805	811	814	813	800	783	765	747	734	727	723	721	722	724
125	1012	1019	1025	1033	1042	1055	1066	1076	1083	1081	1076	1069	1061	1053	1046	1040	1036	1034	1040
130	1277	1284	1291	1299	1309	1321	1334	1345	1356	1362	1366	1370	1372	1373	1374	1375	1375	1376	1379
135	1536	1542	1549	1556	1565	1576	1587	1598	1609	1616	1622	1628	1633	1637	1642	1646	1649	1652	1652
140	1760	1765	1771	1777	1785	1794	1803	1812	1821	1827	1832	1836	1840	1844	1848	1851	1854	1856	1856
145	1938	1943	1947	1952	1958	1965	1973	1980	1986	1991	1995	1998	2001	2004	2007	2010	2012	2013	2013
150	2076	2080	2083	2087	2092	2098	2103	2109	2114	2118	2122	2125	2127	2130	2132	2134	2135	2136	2135
155	2184	2187	2190	2194	2197	2201	2205	2209	2213	2217	2220	2223	2225	2228	2230	2231	2232	2233	2232
160	2268	2270	2272	2274	2277	2281	2284	2288	2291	2294	2296	2299	2301	2303	2304	2306	2306	2306	2305
165	2330	2332	2334	2336	2338	2341	2344	2347	2349	2351	2353	2355	2356	2358	2359	2360	2361	2361	2359
170	2375	2377	2378	2379	2381	2382	2384	2386	2387	2389	2391	2392	2394	2395	2396	2396	2397	2396	2394
175	2401	2402	2403	2404	2405	2406	2408	2409	2410	2411	2412	2413	2414	2415	2416	2416	2416	2415	2413
180	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 500*72*85					SERIAL No.:				
MFR.:									SUR.:0.326*0.036					Shielding Angle:				

Table--3

UNIT: cd

C(DEC) γ (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1156	1155	1155	1154	1153	1153	1152	1152	1151	1151	1151	1150	1150	1150	1150	1150	1150	1150	1150
5	1150	1149	1149	1148	1148	1148	1148	1148	1148	1147	1147	1146	1146	1146	1146	1146	1146	1146	1145
10	1129	1128	1128	1128	1129	1130	1130	1131	1131	1131	1131	1131	1132	1132	1132	1131	1131	1130	1129
15	1093	1092	1092	1092	1094	1095	1097	1099	1099	1100	1100	1100	1100	1100	1100	1100	1100	1099	1097
20	1059	1058	1057	1056	1054	1053	1052	1051	1052	1053	1053	1054	1055	1055	1055	1055	1054	1053	1051
25	976	983	990	995	998	1000	1002	1003	1002	1001	1000	999	998	999	999	999	999	996	994
30	821	830	842	859	881	904	924	941	943	941	936	930	927	928	930	931	932	929	926
35	654	664	678	699	726	754	781	806	820	830	837	842	845	849	850	851	850	850	849
40	474	487	503	526	555	585	616	646	672	695	715	732	743	748	750	750	747	749	748
45	297	307	322	341	365	391	420	449	483	515	546	572	588	593	594	592	587	589	588
50	165	172	183	198	216	236	259	283	312	340	368	393	411	422	429	432	430	424	415
55	92.2	94.8	99.9	109	123	138	156	174	192	210	228	247	267	288	307	321	328	316	297
60	85.3	84.5	84.3	85.0	86.9	90.3	95.7	103	116	131	148	165	184	204	222	235	242	232	215
65	73.7	73.5	73.2	71.4	68.3	66.2	65.6	67.5	77.4	89.5	103	117	132	146	157	166	171	162	151
70	57.8	57.7	57.6	57.2	56.5	56.2	56.5	57.5	60.7	64.8	69.7	75.2	82.5	91.2	99.0	105	109	103	94.5
75	42.5	42.4	42.3	42.4	42.5	42.6	42.6	42.3	40.2	38.3	37.0	36.7	40.5	48.0	55.7	62.4	67.2	62.2	55.3
80	28.2	28.0	27.9	27.9	27.9	27.8	27.7	27.5	26.6	25.7	25.1	24.9	26.1	28.7	31.4	33.7	35.3	33.4	30.8
85	14.9	14.8	14.7	14.6	14.6	14.5	14.3	14.1	14.0	13.7	13.2	12.5	10.8	8.34	5.91	3.82	2.35	3.60	5.46
90	2.56	2.54	2.51	2.48	2.45	2.40	2.35	2.30	2.24	2.18	2.11	2.01	1.87	1.68	1.49	1.32	1.17	1.15	1.16
95	31.9	32.1	32.4	32.8	33.3	34.3	35.9	38.4	43.0	48.4	54.6	61.2	69.5	79.1	87.3	93.1	95.5	85.3	72.0
100	89.4	90.4	92.0	94.2	97.4	102	107	114	126	139	152	164	174	181	186	187	186	178	168
105	176	179	184	189	196	204	213	224	239	255	270	283	291	293	293	290	285	280	273
110	306	310	316	323	332	342	353	365	380	395	408	419	423	422	417	411	404	401	396
115	494	498	504	512	523	535	547	558	569	577	584	588	588	583	575	567	558	556	554
120	728	734	742	754	770	785	799	811	814	813	809	803	796	788	779	770	761	756	751
125	1047	1056	1065	1073	1080	1084	1088	1089	1084	1078	1070	1060	1050	1040	1030	1019	1010	1003	997
130	1382	1385	1386	1386	1383	1379	1374	1368	1362	1355	1347	1339	1330	1319	1308	1297	1287	1281	1274
135	1652	1650	1648	1645	1641	1636	1631	1626	1621	1615	1609	1603	1595	1585	1576	1567	1558	1552	1547
140	1855	1853	1851	1848	1845	1842	1839	1835	1832	1828	1824	1820	1814	1807	1800	1793	1786	1782	1778
145	2012	2010	2008	2007	2005	2002	2000	1998	1995	1993	1990	1987	1983	1978	1973	1967	1963	1960	1957
150	2134	2132	2130	2128	2126	2125	2123	2122	2120	2119	2117	2115	2112	2108	2104	2100	2096	2095	2093
155	2230	2228	2226	2224	2223	2221	2220	2219	2218	2217	2216	2214	2212	2209	2206	2203	2201	2200	2199
160	2303	2300	2298	2296	2296	2295	2294	2294	2293	2293	2292	2291	2289	2287	2285	2283	2282	2281	2280
165	2357	2354	2352	2350	2350	2349	2349	2349	2349	2348	2348	2347	2346	2345	2343	2342	2341	2341	2341
170	2392	2389	2387	2386	2385	2385	2385	2386	2385	2385	2385	2384	2384	2383	2383	2382	2382	2381	2381
175	2410	2407	2405	2404	2403	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2405	2405	2405	2405
180	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.70V I:0.2821A P:62.640W PF:0.9666 Freq:49.99Hz Lamp Flux:7983.18x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 500*72*85						SERIAL No.:		
MFR.:									SUR.:0.326*0.036						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1150	1149	1149	1150	1150	1150	1150	1150	1150	1150	1150	1150	1151	1153	1154				
5	1145	1144	1144	1144	1144	1144	1143	1142	1142	1141	1140	1141	1141	1143	1145				
10	1128	1126	1125	1124	1124	1123	1122	1120	1119	1117	1116	1116	1116	1117	1118				
15	1096	1094	1093	1091	1090	1089	1087	1085	1083	1082	1080	1080	1080	1081	1083				
20	1050	1048	1046	1045	1043	1042	1041	1041	1041	1042	1042	1043	1043	1044	1046				
25	992	989	989	991	992	992	991	984	976	966	957	948	942	936	930				
30	923	919	918	919	918	915	908	887	864	839	815	796	784	775	769				
35	846	841	832	820	805	787	766	738	709	680	652	631	616	606	599				
40	744	736	720	696	668	637	605	571	538	507	478	456	439	428	420				
45	584	575	555	523	487	449	411	379	349	322	299	280	267	257	252				
50	402	385	364	338	311	283	255	231	208	187	169	155	145	138	134				
55	274	249	227	208	189	172	155	137	121	107	95.0	87.1	83.4	82.9	85.8				
60	195	173	152	133	117	102	89.7	84.6	82.1	81.6	82.4	82.8	82.6	82.9	83.5				
65	136	120	106	94.4	83.8	74.7	67.6	65.6	65.4	66.5	68.3	69.4	69.6	69.7	69.7				
70	84.8	74.7	67.2	62.7	59.3	56.7	54.9	53.9	53.4	53.4	53.5	53.6	53.6	53.6	53.7				
75	47.5	39.7	35.6	35.4	36.2	37.7	39.4	39.4	39.3	39.0	38.7	38.5	38.5	38.5	38.6				
80	27.8	25.0	23.4	23.4	23.7	24.3	24.9	24.9	24.8	24.6	24.5	24.4	24.4	24.4	24.5				
85	7.66	9.90	11.3	11.8	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.6	11.6	11.6	11.6				
90	1.18	1.21	1.19	1.13	1.05	0.98	0.90	0.86	0.83	0.80	0.76	0.72	0.68	0.62	0.57				
95	57.3	42.6	32.3	27.0	23.6	21.6	20.8	20.5	21.0	21.8	22.9	23.5	23.6	23.5	23.2				
100	155	141	125	110	94.0	79.3	66.2	58.4	52.5	48.3	45.3	43.0	40.9	39.8	39.5				
105	263	252	236	216	196	175	156	143	132	122	115	109	104	101	99.4				
110	390	382	367	347	324	302	279	262	247	234	223	213	206	201	197				
115	549	542	528	506	482	458	434	415	399	384	372	361	352	345	340				
120	746	739	727	712	694	675	655	633	612	591	573	558	548	540	536				
125	991	984	976	967	956	944	929	907	884	861	838	820	806	795	786				
130	1268	1262	1256	1248	1240	1230	1221	1209	1197	1184	1171	1158	1145	1132	1119				
135	1542	1537	1531	1523	1515	1508	1501	1496	1493	1489	1485	1479	1472	1464	1454				
140	1775	1771	1766	1760	1755	1749	1744	1741	1739	1737	1735	1732	1728	1724	1719				
145	1955	1953	1949	1945	1940	1936	1932	1930	1929	1927	1926	1924	1921	1918	1914				
150	2092	2091	2089	2085	2082	2079	2076	2075	2073	2072	2071	2070	2067	2065	2062				
155	2198	2197	2195	2193	2190	2188	2186	2185	2185	2184	2184	2182	2181	2178	2176				
160	2280	2279	2278	2276	2274	2273	2271	2270	2270	2270	2269	2269	2267	2266	2264				
165	2340	2340	2339	2338	2337	2336	2335	2334	2334	2334	2334	2334	2333	2331	2330				
170	2381	2382	2381	2381	2380	2380	2380	2380	2380	2380	2380	2380	2379	2378	2377				
175	2405	2405	2406	2406	2406	2406	2407	2407	2408	2408	2408	2408	2408	2407	2406				
180	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417	2417				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-28

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks: