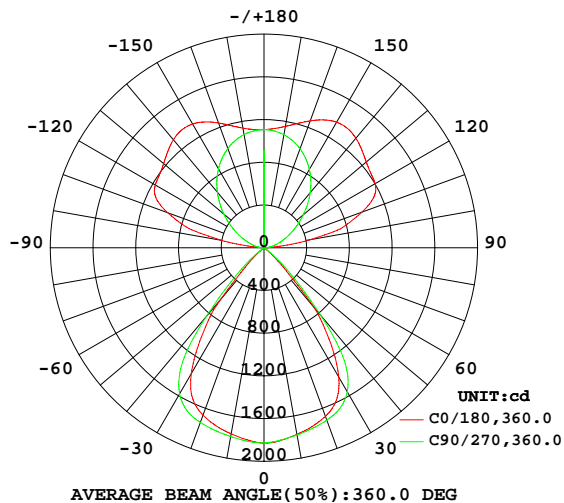


## LUMINAIRE PHOTOMETRIC TEST REPORT

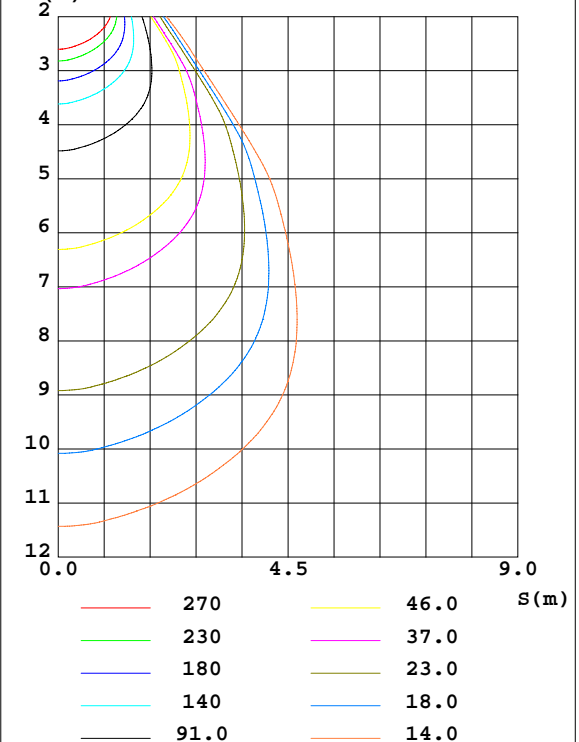
Test:U:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.92 lm/W			
MODEL		Imax(cd)	1830	S/MH(C0/180)	1.06
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7307.3	$\eta$ UP,DN(C0-180)	31.5,18.3
NOMINAL FLUX(lm)	7307.28	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	31.9,18.3
LAMPS INSIDE	1	$\eta$ up(%)	63.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	36.6	CIBSE SHR MAX	1.30

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:2025-08-20

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

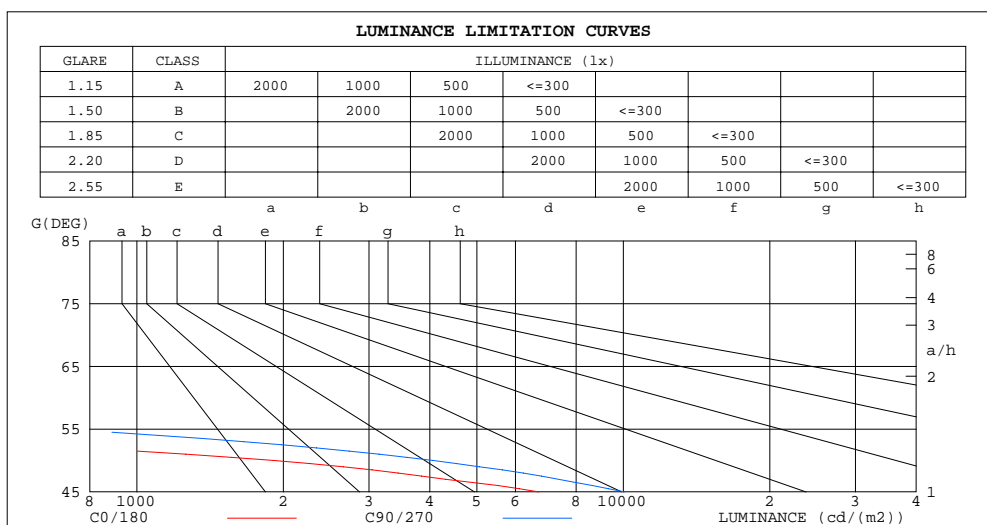
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1775	1767	1780	1762	1769	1773	1795	1776	0- 10	171.6	171.6	2.35,2.35
20	1681	1690	1718	1680	1668	1702	1741	1701	10- 20	490.9	662.5	9.07,9.07
30	1402	1628	1559	1599	1361	1630	1581	1642	20- 30	755.3	1418	19.4,19.4
40	731.1	1135	828.6	1046	632.8	1102	839.8	1123	30- 40	810.9	2229	30.5,30.5
50	65.83	345.8	140.0	289.8	50.05	311.2	135.6	341.5	40- 50	387.1	2616	35.8,35.8
60	0.7721	27.92	0.7686	21.74	0.6007	24.26	0.7937	25.78	50- 60	55.05	2671	36.6,36.6
70	0.4212	0.2924	0.2835	0.2921	0.4979	0.4829	0.2479	0.4777	60- 70	1.658	2672	36.6,36.6
80	0.3311	0.1803	0.1549	0.3946	1.677	0.3699	0.2412	0.2846	70- 80	0.3571	2673	36.6,36.6
90	1.091	0.7302	7.244	3.084	2.062	1.556	0.4811	1.649	80- 90	1.006	2674	36.6,36.6
100	443.7	517.8	69.19	500.2	402.1	524.9	68.62	531.0	90-100	164.6	2838	38.8,38.8
110	974.4	739.4	169.0	707.4	959.4	743.2	168.8	763.9	100-110	543.4	3382	46.3,46.3
120	1202	919.6	307.4	896.5	1175	923.7	311.1	939.6	110-120	731.0	4113	56.3,56.3
130	1250	1072	479.9	1049	1227	1071	489.5	1083	120-130	787.7	4900	67.1,67.1
140	1339	1144	673.2	1118	1320	1137	679.5	1150	130-140	778.2	5679	77.7,77.7
150	1358	1151	849.6	1124	1338	1138	852.9	1154	140-150	687.0	6366	87.1,87.1
160	1264	1132	986.5	1110	1244	1117	990.1	1135	150-160	519.6	6885	94.2,94.2
170	1155	1114	1075	1103	1138	1103	1077	1117	160-170	316.4	7202	98.6,98.6
180	1107	1107	1107	1107	1107	1107	1107	1107	170-180	105.7	7307	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:2025-08-20

$\gamma$  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:

## LUMINANCE LIMITATION CURVES

Test:U:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	92	31
80	36	17
75	24	15
70	23	15
65	24	16
60	29	29
55	214	701
50	1907	4056
45	6696	10051

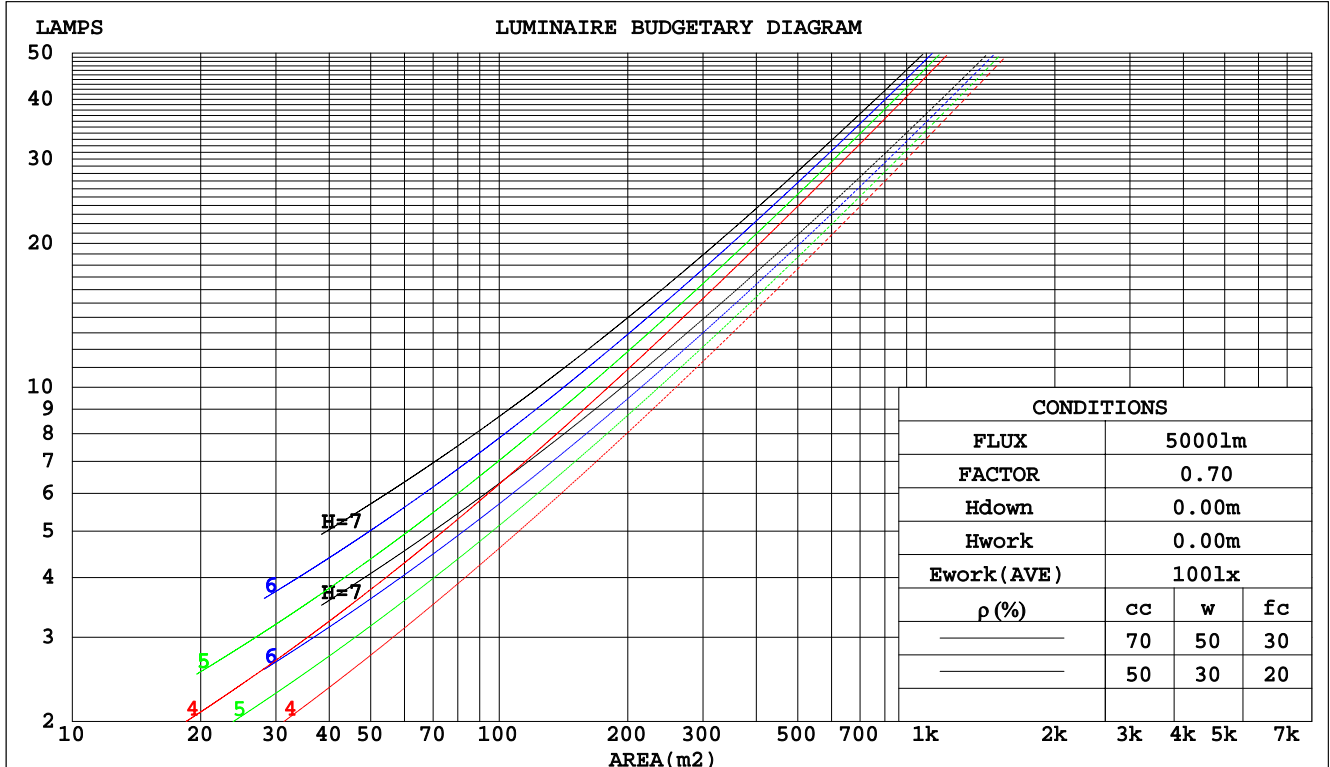
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	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	1.04	1.04	1.04	.94	.94	.94	.76	.76	.76	.59	.59	.59	.44	.44	.44	.37
1.0	.93	.89	.86	.84	.82	.79	.69	.67	.65	.54	.53	.52	.41	.40	.40	.34
2.0	.83	.77	.73	.75	.71	.67	.62	.59	.56	.49	.48	.46	.38	.37	.36	.31
3.0	.74	.68	.63	.68	.63	.58	.56	.52	.49	.45	.43	.41	.35	.34	.33	.28
4.0	.67	.60	.55	.61	.55	.51	.51	.47	.43	.41	.39	.36	.33	.31	.29	.26
5.0	.60	.53	.48	.55	.49	.45	.46	.42	.39	.38	.35	.33	.30	.28	.27	.23
6.0	.55	.47	.42	.50	.44	.40	.42	.38	.34	.35	.32	.29	.28	.26	.24	.21
7.0	.50	.43	.38	.46	.40	.35	.39	.34	.31	.32	.29	.27	.26	.24	.22	.20
8.0	.45	.38	.34	.42	.36	.32	.36	.31	.28	.30	.26	.24	.24	.22	.20	.18
9.0	.42	.35	.30	.39	.33	.29	.33	.28	.25	.28	.24	.22	.22	.20	.19	.17
10.0	.38	.32	.27	.36	.30	.26	.31	.26	.23	.26	.22	.20	.21	.19	.17	.15



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1285*48*76			SERIAL No.:		
MFR.:			SUR.:1.28*0.042			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	.235	.133	.042	.209	.119	.038	.160	.092	.029	.115	.066	.021	.074	.043	.014	
2.0	.219	.120	.037	.196	.108	.033	.151	.084	.026	.111	.062	.019	.073	.041	.013	
3.0	.205	.109	.033	.184	.098	.030	.143	.078	.024	.106	.058	.018	.071	.039	.012	
4.0	.192	.100	.029	.172	.090	.027	.135	.072	.021	.101	.054	.016	.068	.037	.011	
5.0	.180	.092	.027	.162	.083	.024	.128	.067	.020	.096	.050	.015	.066	.035	.011	
6.0	.170	.085	.024	.153	.077	.022	.121	.062	.018	.091	.047	.014	.063	.033	.010	
7.0	.160	.079	.022	.144	.072	.020	.115	.058	.017	.087	.044	.013	.061	.032	.009	
8.0	.151	.074	.021	.136	.067	.019	.109	.054	.016	.083	.042	.012	.058	.030	.009	
9.0	.143	.069	.019	.129	.063	.018	.103	.051	.014	.079	.040	.011	.056	.028	.008	
10.0	.135	.065	.018	.123	.059	.017	.098	.048	.014	.075	.037	.011	.054	.027	.008	

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	.674	.674	.674	.576	.576	.576	.393	.393	.393	.226	.226	.226	.072	.072	.072	
1.0	.662	.644	.627	.567	.553	.540	.388	.380	.373	.223	.220	.217	.071	.071	.070	
2.0	.653	.623	.597	.559	.536	.516	.383	.371	.360	.221	.216	.211	.071	.070	.069	
3.0	.645	.607	.576	.553	.524	.500	.380	.364	.351	.219	.212	.207	.070	.069	.068	
4.0	.638	.595	.562	.547	.514	.488	.376	.358	.344	.218	.210	.203	.070	.068	.067	
5.0	.632	.586	.552	.542	.507	.480	.374	.354	.339	.216	.208	.201	.070	.068	.066	
6.0	.626	.578	.544	.538	.501	.474	.371	.350	.335	.215	.206	.199	.069	.067	.066	
7.0	.620	.572	.538	.534	.496	.469	.369	.348	.332	.214	.205	.198	.069	.067	.065	
8.0	.615	.567	.534	.530	.492	.465	.366	.345	.330	.213	.204	.197	.069	.067	.065	
9.0	.610	.563	.530	.526	.488	.463	.364	.343	.328	.212	.203	.196	.069	.067	.065	
10.0	.606	.559	.528	.522	.485	.460	.362	.342	.327	.211	.202	.195	.069	.066	.065	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1285*48*76			SERIAL No.:			
MFR.:					SUR.:1.28*0.042			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	13.0	13.7	13.9	14.6	15.9	14.0	14.8	15.0	15.7	17.0	
	3H	12.6	13.3	13.6	14.2	15.5	13.7	14.3	14.7	15.3	
	4H	12.4	13.0	13.4	14.0	15.3	13.5	14.1	14.5	15.1	
	6H	12.2	12.8	13.3	13.8	15.1	13.3	13.9	14.4	14.9	
	8H	12.1	12.7	13.2	13.7	15.0	13.2	13.8	14.3	14.8	
	12H	12.0	12.6	13.1	13.6	14.9	13.1	13.6	14.2	14.7	
4H	2H	12.4	13.1	13.5	14.0	15.4	13.5	14.1	14.5	15.1	
	3H	12.1	12.6	13.1	13.6	15.0	13.1	13.7	14.2	14.7	
	4H	11.9	12.3	12.9	13.4	14.8	13.0	13.4	14.0	14.4	
	6H	11.7	12.1	12.8	13.1	14.5	12.8	13.1	13.8	14.2	
	8H	11.6	11.9	12.7	13.0	14.4	12.7	13.0	13.7	14.1	
	12H	11.5	11.8	12.6	12.9	14.3	12.6	12.9	13.6	13.9	
8H	4H	11.6	11.9	12.7	13.0	14.4	12.7	13.0	13.7	14.1	
	6H	11.4	11.7	12.5	12.7	14.2	12.4	12.7	13.6	13.8	
	8H	11.3	11.5	12.4	12.6	14.1	12.3	12.6	13.5	13.7	
	12H	11.2	11.4	12.3	12.5	14.0	12.2	12.4	13.4	13.6	
12H	4H	11.5	11.8	12.6	12.9	14.3	12.6	12.9	13.6	13.9	
	6H	11.3	11.5	12.4	12.6	14.1	12.3	12.6	13.5	13.7	
	8H	11.2	11.4	12.3	12.5	14.0	12.2	12.4	13.4	13.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 3.1 / -30.4					+ 2.7 / -22.0					
1.5H	+ 3.7 / -15.0					+ 4.0 / - 9.8					
2.0H	+ 5.4 / -28.3					+ 6.1 / -33.4					

CIE Pub.117, 7307 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.9$ )

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

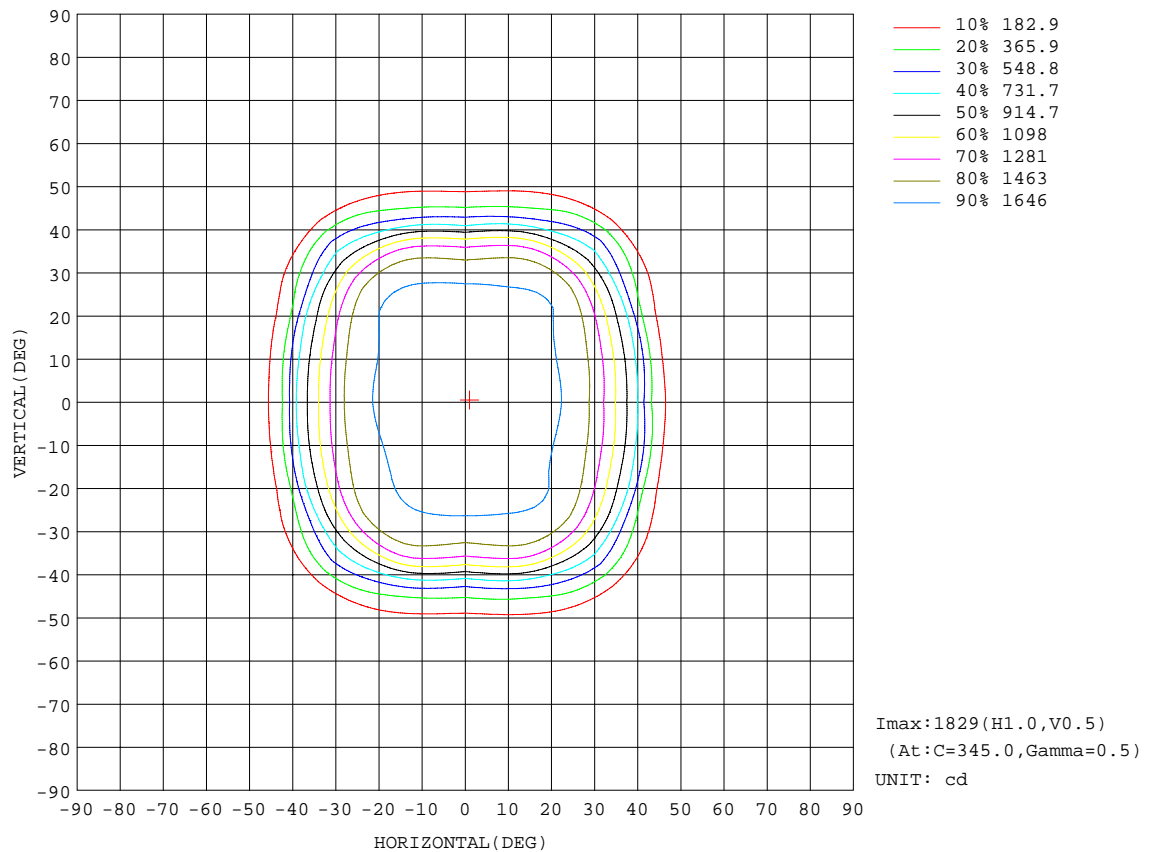
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	39	34	46	37	32	41	34	30	24
0.80	57	47	41	53	45	39	47	40	36	27
1.00	64	54	47	59	51	45	51	45	41	29
1.25	70	60	54	65	56	51	55	49	45	31
1.50	74	65	59	69	61	55	58	53	49	32
2.00	81	72	66	74	67	62	62	57	53	33
2.50	84	77	71	77	71	66	64	60	56	34
3.00	87	80	75	80	74	69	66	62	59	34
4.00	91	85	81	83	78	74	68	65	63	35
5.00	94	89	84	85	81	78	70	67	65	35
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:2025-08-20

$\gamma$  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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:



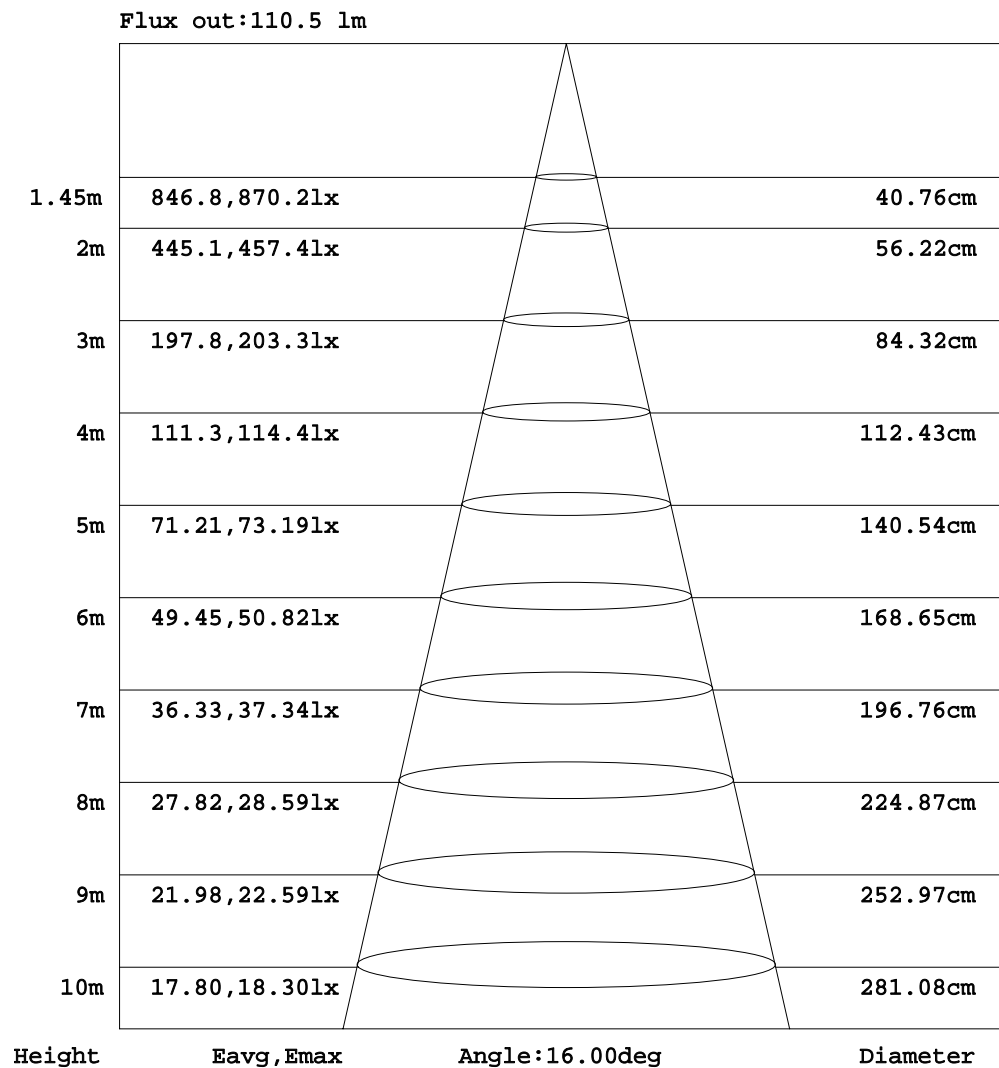
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

$\gamma$  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 Figure

Test:U:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:



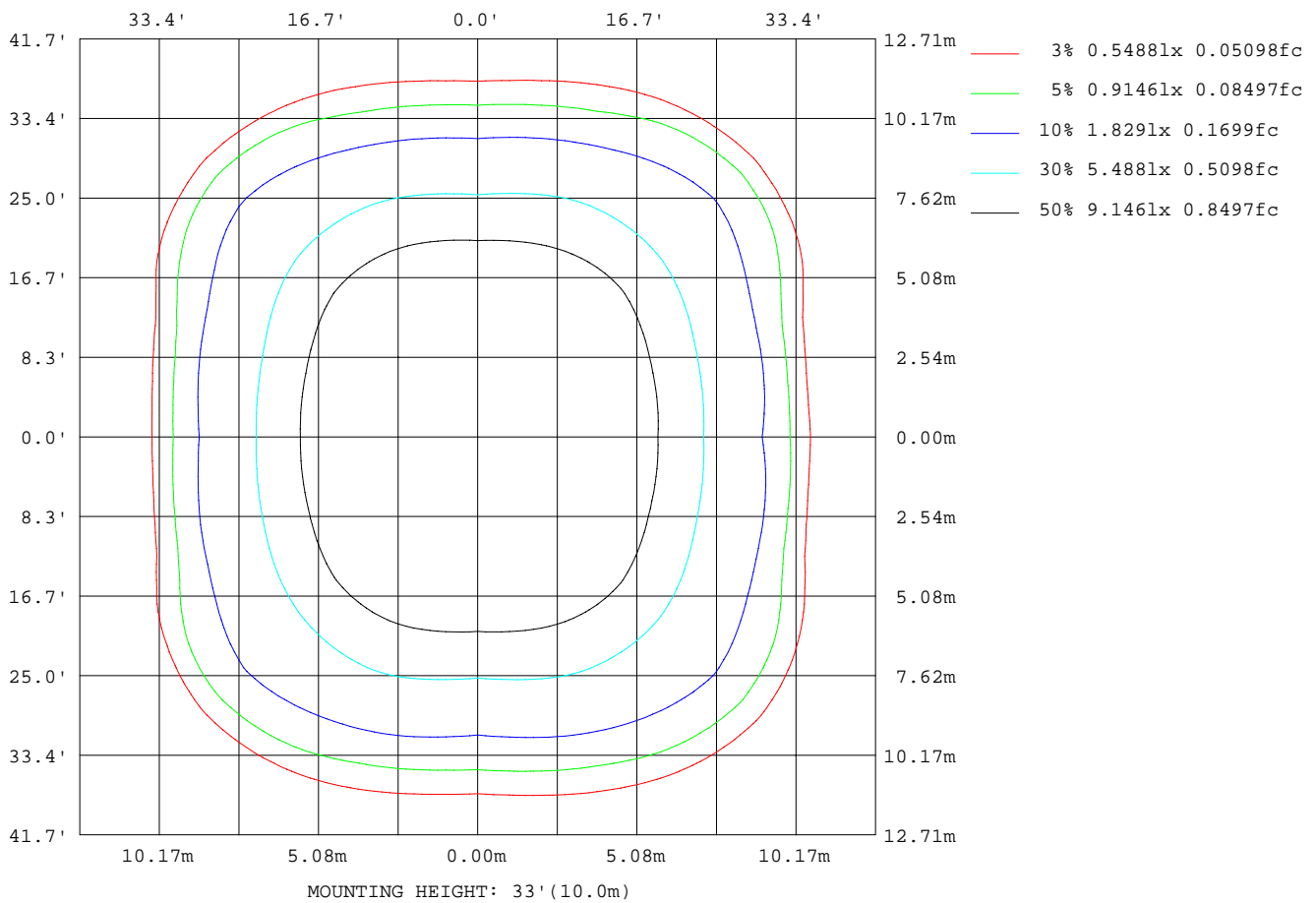
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-20

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:

## ISOLUX DIAGRAM

Test:U:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

$\gamma$  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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

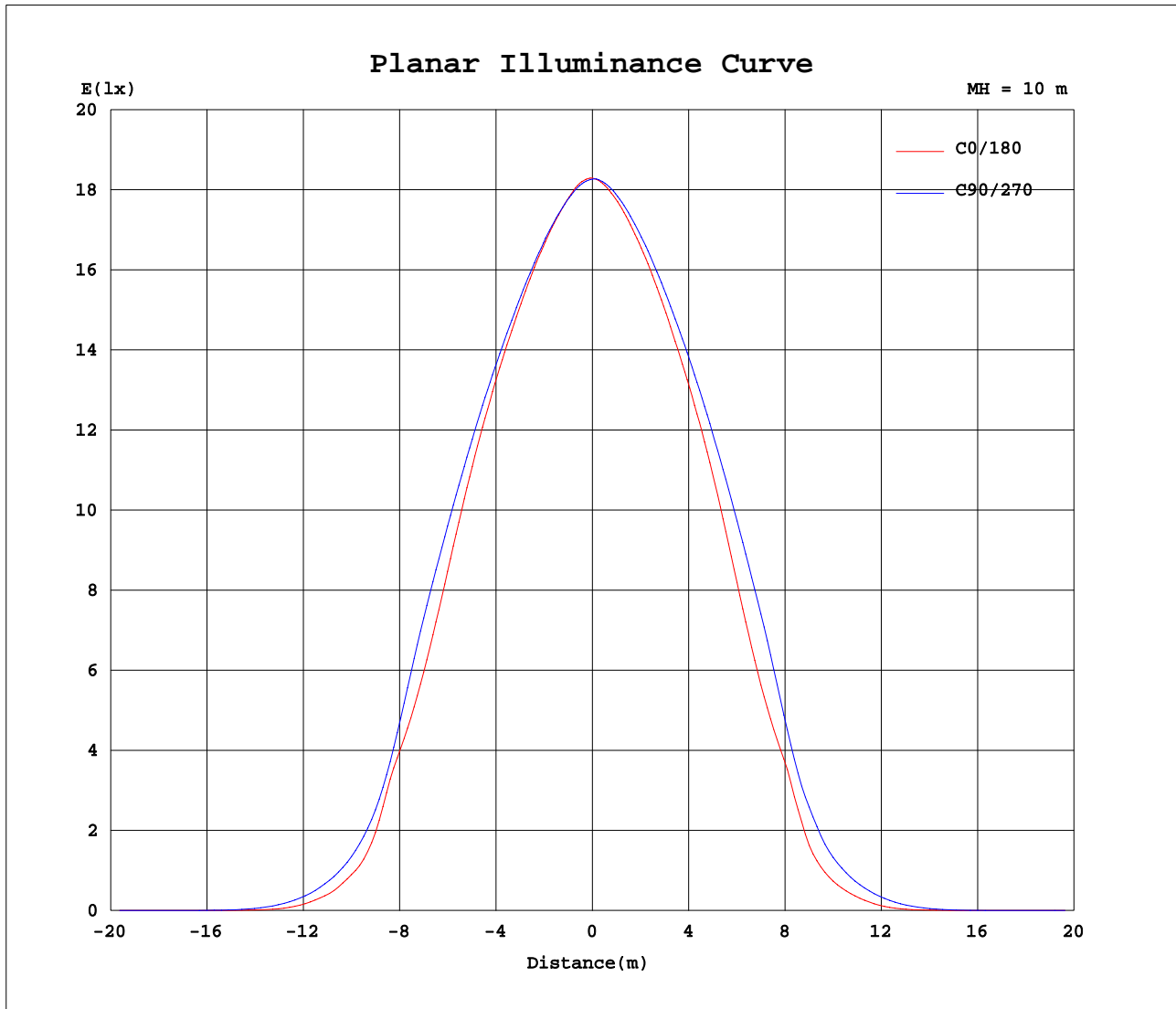
AvgL	cd/m2
L_0~180(65)av	23
L_0~180(75)av	30
L_0~180(85)av	294
L_90~270(65)av	15
L_90~270(75)av	17
L_90~270(85)av	48
L_45(65)av	72
L_45(75)av	20
L_45(85)av	216

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

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: 2025-08-20

$\gamma$  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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1285*48*76					SERIAL No.:				
MFR.:									SUR.:1.28*0.042					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	1829	1829	1828	1828	1828	1828	1828	1828	1828	1828	1828	1828	1828	1828	1827	1827	1827	1827	1827
5	1810	1810	1810	1810	1810	1810	1809	1809	1809	1809	1809	1809	1809	1809	1809	1809	1808	1808	1807
10	1775	1774	1772	1771	1770	1769	1768	1767	1767	1767	1768	1770	1772	1774	1776	1778	1779	1780	1780
15	1734	1732	1731	1729	1728	1727	1726	1725	1725	1725	1727	1730	1733	1736	1740	1744	1748	1750	1752
20	1681	1678	1676	1675	1675	1677	1679	1682	1686	1690	1692	1695	1698	1700	1704	1708	1713	1716	1718
25	1591	1591	1594	1598	1604	1613	1625	1638	1650	1661	1665	1667	1668	1668	1668	1668	1668	1668	1668
30	1402	1411	1425	1443	1464	1493	1530	1566	1600	1628	1636	1637	1632	1623	1610	1595	1580	1568	1559
35	1084	1099	1121	1150	1186	1238	1303	1367	1428	1480	1499	1506	1502	1489	1462	1424	1386	1353	1329
40	731	746	768	798	836	889	955	1022	1083	1135	1153	1158	1148	1125	1076	1004	934	872	829
45	254	263	282	313	355	421	509	595	672	731	722	692	648	594	540	489	443	406	382
50	65.8	67.9	77.3	93.9	118	158	211	263	310	346	337	315	285	250	218	192	169	151	140
55	6.59	3.57	4.02	7.94	15.3	29.8	50.4	71.1	89.8	104	101	92.8	81.1	67.5	54.7	43.6	33.9	26.3	21.6
60	0.77	0.00	0.00	0.00	0.74	5.10	11.6	18.1	23.8	27.9	24.6	19.7	13.8	7.71	3.66	1.93	0.96	0.61	0.77
65	0.55	0.38	0.28	0.27	0.34	0.57	0.95	1.33	1.66	1.88	1.63	1.27	0.87	0.47	0.25	0.22	0.25	0.30	0.37
70	0.42	0.38	0.35	0.33	0.31	0.30	0.29	0.29	0.29	0.29	0.29	0.28	0.27	0.27	0.27	0.27	0.28	0.28	0.28
75	0.34	0.32	0.30	0.28	0.27	0.26	0.24	0.23	0.22	0.21	0.20	0.19	0.17	0.17	0.17	0.18	0.19	0.20	0.21
80	0.33	0.31	0.29	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15
85	0.43	0.39	0.36	0.33	0.30	0.27	0.23	0.20	0.18	0.16	0.15	0.15	0.16	0.16	0.16	0.15	0.15	0.14	0.14
90	1.09	1.04	0.99	0.95	0.91	0.87	0.84	0.81	0.78	0.73	0.64	0.55	0.45	0.35	0.25	0.15	0.08	0.08	7.24
95	98.7	113	127	141	155	171	188	203	213	216	197	172	144	114	88.2	68.0	51.4	39.2	32.0
100	444	442	443	446	452	469	494	514	523	518	452	374	290	207	146	111	86.9	73.2	69.2
105	778	785	786	782	773	762	748	726	694	649	564	472	377	287	218	173	141	122	115
110	974	986	987	980	963	937	902	858	803	739	649	554	458	368	296	244	205	180	169
115	1138	1133	1120	1100	1073	1039	999	950	893	828	736	640	544	453	378	321	277	247	233
120	1202	1186	1166	1142	1115	1087	1057	1020	975	920	830	733	635	541	462	402	355	323	307
125	1220	1206	1190	1171	1150	1130	1111	1086	1051	1005	918	822	724	628	548	487	440	407	390
130	1250	1242	1232	1218	1201	1185	1169	1147	1115	1072	989	897	802	710	633	574	528	496	480
135	1296	1292	1284	1272	1256	1239	1221	1195	1162	1118	1041	956	869	785	715	662	621	592	578
140	1339	1337	1329	1317	1300	1280	1256	1226	1189	1144	1074	1000	925	852	792	746	710	686	673
145	1364	1361	1353	1339	1321	1297	1269	1236	1197	1153	1093	1031	970	911	862	825	796	776	766
150	1358	1353	1344	1330	1312	1288	1259	1227	1190	1151	1103	1054	1006	961	924	895	873	857	850
155	1321	1316	1307	1294	1278	1257	1232	1204	1174	1142	1106	1071	1036	1004	978	957	941	930	924
160	1264	1259	1252	1242	1230	1214	1196	1176	1154	1132	1108	1084	1062	1041	1023	1009	998	991	987
165	1204	1201	1196	1189	1182	1172	1161	1149	1136	1122	1108	1095	1082	1069	1059	1051	1045	1040	1038
170	1155	1152	1149	1146	1142	1137	1132	1126	1120	1114	1108	1102	1096	1090	1085	1082	1079	1076	1075
175	1121	1119	1118	1116	1115	1113	1112	1111	1110	1108	1107	1105	1104	1102	1101	1100	1099	1099	1098
180	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1285*48*76					SERIAL No.:				
MFR.:									SUR.:1.28*0.042					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	1827	1827	1827	1828	1828	1828	1828	1828	1828	1828	1828	1829	1829	1829	1829	1829	1829	1829	1829
5	1807	1807	1807	1806	1806	1805	1805	1804	1804	1804	1804	1804	1804	1805	1805	1805	1805	1805	1805
10	1779	1777	1775	1772	1770	1767	1765	1763	1762	1762	1762	1763	1765	1766	1767	1768	1768	1769	1769
15	1749	1746	1742	1737	1733	1729	1726	1723	1720	1719	1718	1718	1718	1720	1721	1723	1725	1727	1727
20	1716	1712	1708	1703	1698	1694	1689	1685	1680	1675	1670	1666	1662	1661	1662	1663	1666	1668	1669
25	1669	1669	1668	1667	1665	1662	1657	1651	1643	1630	1617	1603	1590	1581	1576	1572	1571	1572	1575
30	1568	1581	1595	1609	1618	1621	1619	1612	1599	1568	1534	1496	1460	1427	1402	1381	1367	1361	1370
35	1354	1388	1425	1462	1482	1485	1477	1459	1430	1376	1314	1249	1185	1131	1090	1058	1036	1025	1035
40	870	929	996	1062	1100	1105	1098	1078	1046	998	943	885	825	770	720	679	649	633	648
45	401	433	473	518	563	605	638	658	660	600	525	442	360	297	258	230	213	208	212
50	149	164	184	206	231	255	274	287	290	259	220	177	133	99.4	78.2	62.9	53.5	50.1	52.5
55	25.3	31.9	40.5	50.4	61.8	73.5	83.4	90.3	92.8	78.9	61.4	42.2	23.4	11.2	6.33	4.03	3.77	4.99	3.50
60	0.67	1.02	1.88	3.33	6.49	11.1	15.6	19.3	21.7	18.5	14.0	8.85	3.76	0.69	0.00	0.00	0.02	0.60	0.00
65	0.32	0.27	0.25	0.25	0.39	0.64	0.90	1.13	1.30	1.16	0.95	0.72	0.49	0.37	0.37	0.40	0.45	0.51	0.48
70	0.26	0.24	0.22	0.20	0.20	0.22	0.24	0.27	0.29	0.31	0.32	0.34	0.36	0.38	0.42	0.45	0.48	0.50	0.49
75	0.21	0.20	0.19	0.19	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.38	0.41	0.44	0.47	0.49	0.50
80	0.15	0.15	0.16	0.17	0.18	0.20	0.24	0.30	0.39	0.59	0.81	1.03	1.25	1.42	1.54	1.63	1.67	1.68	1.61
85	0.10	0.08	0.10	0.18	0.41	0.78	1.20	1.64	2.07	2.42	2.73	2.97	3.14	3.13	2.97	2.76	2.53	2.33	2.36
90	0.41	0.76	1.14	1.55	1.94	2.30	2.62	2.88	3.08	3.11	3.07	2.97	2.84	2.68	2.52	2.36	2.20	2.06	1.99
95	34.8	42.9	55.8	73.1	98.1	129	160	186	207	202	190	172	152	132	113	96.8	84.0	76.3	84.7
100	68.2	77.2	96.9	129	188	270	355	434	500	504	492	469	441	421	412	406	403	402	404
105	116	130	157	197	262	349	441	533	618	668	706	734	753	763	766	764	759	754	763
110	174	192	225	272	340	428	521	616	707	776	836	886	926	951	962	966	964	959	968
115	240	263	300	352	424	515	611	708	801	868	927	977	1019	1053	1081	1101	1113	1119	1117
120	316	340	380	435	511	606	706	804	897	952	998	1034	1064	1094	1124	1148	1166	1175	1169
125	399	424	464	520	597	694	794	893	983	1030	1066	1092	1112	1133	1155	1174	1187	1195	1190
130	488	512	551	604	679	772	868	963	1049	1095	1128	1153	1170	1186	1203	1215	1223	1227	1226
135	584	605	640	688	755	839	927	1013	1093	1141	1177	1206	1227	1244	1258	1268	1273	1275	1275
140	679	696	726	767	824	895	971	1046	1118	1166	1207	1240	1267	1288	1303	1313	1319	1320	1321
145	769	783	807	839	885	942	1003	1065	1126	1173	1215	1251	1283	1307	1324	1336	1343	1345	1345
150	852	862	880	904	939	981	1028	1076	1124	1166	1204	1240	1271	1296	1314	1327	1335	1338	1336
155	925	932	944	961	985	1015	1048	1082	1117	1150	1182	1212	1238	1260	1277	1289	1297	1300	1298
160	987	992	999	1010	1025	1044	1065	1087	1110	1133	1155	1176	1196	1212	1225	1234	1241	1244	1241
165	1038	1040	1044	1050	1058	1068	1080	1092	1105	1118	1131	1143	1154	1164	1172	1178	1182	1184	1181
170	1075	1076	1077	1079	1083	1087	1092	1097	1103	1109	1114	1120	1124	1129	1133	1135	1137	1138	1136
175	1098	1098	1098	1099	1099	1100	1101	1102	1103	1105	1106	1107	1108	1109	1110	1111	1112	1112	1111
180	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1285*48*76					SERIAL No.:				
MFR.:									SUR.:1.28*0.042					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1829	1828	1828	1828	1828	1828	1828	1828	1828	1828	1828	1828	1827	1827	1827	1827	1827	1827	1827
5	1805	1806	1806	1806	1808	1809	1810	1811	1812	1813	1814	1815	1815	1816	1817	1817	1818	1818	1817
10	1770	1770	1770	1770	1771	1771	1772	1773	1775	1778	1781	1784	1787	1789	1792	1794	1795	1794	1792
15	1727	1727	1727	1728	1729	1731	1733	1736	1740	1744	1748	1753	1757	1762	1766	1769	1770	1768	1764
20	1669	1671	1673	1676	1682	1689	1695	1702	1707	1712	1716	1721	1726	1731	1736	1739	1741	1738	1733
25	1580	1588	1597	1610	1626	1643	1659	1674	1681	1686	1689	1690	1692	1692	1693	1692	1691	1689	1687
30	1386	1408	1437	1473	1515	1557	1596	1630	1642	1647	1647	1641	1630	1617	1603	1590	1581	1587	1596
35	1056	1088	1131	1189	1260	1332	1401	1460	1485	1497	1498	1489	1466	1433	1398	1368	1347	1369	1399
40	678	720	772	836	909	981	1047	1102	1121	1125	1115	1093	1048	987	926	875	840	881	938
45	228	256	296	366	460	553	636	701	686	650	600	542	490	449	415	390	376	393	421
50	61.2	76.3	98.0	135	184	233	277	311	304	285	259	228	200	178	158	144	136	145	161
55	3.57	5.81	10.8	24.0	44.6	65.4	84.2	98.7	93.7	83.7	70.6	56.0	43.7	34.7	27.5	22.4	20.0	23.6	29.7
60	0.00	0.00	0.54	3.99	9.77	15.6	20.6	24.3	21.2	16.7	11.4	5.98	2.47	1.14	0.51	0.44	0.79	0.57	0.78
65	0.46	0.45	0.48	0.62	0.88	1.13	1.34	1.49	1.32	1.08	0.81	0.53	0.36	0.29	0.27	0.27	0.29	0.26	0.26
70	0.47	0.45	0.44	0.44	0.45	0.47	0.48	0.48	0.45	0.42	0.38	0.34	0.30	0.28	0.26	0.25	0.25	0.26	0.28
75	0.50	0.50	0.48	0.46	0.42	0.39	0.35	0.32	0.30	0.29	0.28	0.27	0.26	0.25	0.25	0.25	0.24	0.25	0.25
80	1.50	1.36	1.21	1.03	0.85	0.67	0.51	0.37	0.32	0.29	0.29	0.29	0.29	0.27	0.26	0.25	0.24	0.24	0.24
85	2.41	2.47	2.51	2.43	2.24	2.00	1.73	1.45	1.17	0.89	0.64	0.42	0.29	0.26	0.25	0.28	0.31	0.29	0.28
90	1.94	1.91	1.87	1.83	1.79	1.73	1.65	1.56	1.38	1.19	1.00	0.82	0.68	0.60	0.53	0.50	0.48	0.47	0.49
95	98.0	115	133	153	171	187	198	202	184	161	135	107	82.4	63.6	48.3	37.3	31.5	35.6	45.2
100	410	417	428	451	484	510	526	525	458	377	289	202	140	105	82.5	70.6	68.6	69.0	79.5
105	771	777	778	773	759	735	700	652	565	470	374	282	212	168	137	119	114	117	132
110	973	973	966	945	911	865	809	743	650	553	455	363	290	239	201	178	169	175	196
115	1109	1093	1069	1038	1000	954	898	833	740	641	543	450	373	317	274	246	234	244	270
120	1155	1134	1108	1081	1055	1021	978	924	833	735	635	539	459	400	355	325	311	323	352
125	1180	1164	1144	1126	1109	1085	1052	1006	919	823	724	628	548	488	442	411	397	410	441
130	1220	1210	1196	1182	1168	1146	1114	1071	988	895	800	708	632	575	531	502	490	503	532
135	1272	1264	1252	1238	1219	1194	1160	1115	1037	952	864	780	711	660	621	596	585	597	624
140	1317	1309	1296	1277	1253	1222	1184	1137	1067	992	917	845	786	742	709	688	680	690	713
145	1339	1329	1313	1291	1263	1229	1189	1144	1084	1021	960	901	854	819	793	776	770	779	798
150	1329	1317	1300	1277	1248	1215	1178	1138	1091	1043	996	952	916	889	870	857	853	860	875
155	1290	1279	1263	1242	1217	1190	1159	1128	1093	1059	1026	996	971	952	938	930	927	933	944
160	1234	1225	1212	1197	1179	1159	1138	1117	1094	1072	1052	1033	1017	1005	997	992	990	994	1002
165	1177	1171	1163	1154	1143	1132	1120	1108	1096	1084	1073	1063	1054	1048	1043	1041	1040	1043	1048
170	1134	1130	1126	1122	1117	1113	1108	1103	1098	1093	1089	1085	1081	1079	1077	1077	1077	1078	1081
175	1110	1108	1106	1105	1104	1103	1103	1102	1101	1100	1100	1099	1098	1098	1098	1098	1099	1099	1101
180	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-08-20

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:229.65V I:0.2527A P:57.123W PF:0.9843 Freq:49.99Hz Lamp Flux:7307.28x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1285*48*76						SERIAL No.:		
MFR.:									SUR.:1.28*0.042						Shielding Angle:		

Table--4

UNIT: cd

C(°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (°)	0	1827	1828	1828	1828	1828	1828	1828	1828	1829	1829	1829	1829	1829	1829				
5	1817	1816	1816	1816	1815	1815	1815	1814	1813	1813	1812	1812	1811	1811	1810				
10	1790	1788	1785	1783	1780	1778	1776	1775	1774	1774	1774	1774	1774	1774	1775				
15	1760	1755	1750	1746	1742	1739	1736	1735	1734	1733	1733	1733	1733	1733	1734				
20	1727	1721	1716	1712	1708	1705	1701	1697	1693	1689	1686	1683	1681	1681	1680				
25	1684	1681	1680	1680	1679	1677	1673	1662	1650	1636	1623	1613	1605	1599	1594				
30	1608	1620	1632	1642	1648	1648	1642	1614	1581	1544	1506	1475	1452	1432	1415				
35	1435	1470	1497	1512	1518	1514	1496	1443	1380	1313	1246	1192	1154	1123	1100				
40	1004	1070	1116	1137	1146	1142	1123	1072	1011	946	880	829	793	764	744				
45	458	502	556	616	668	706	723	662	583	494	403	336	297	270	256				
50	182	207	239	275	307	331	342	305	257	204	150	110	87.6	72.5	65.3				
55	37.9	47.5	59.9	73.9	86.3	95.5	99.8	85.7	67.3	47.0	26.9	12.8	6.01	2.68	2.88				
60	1.55	3.03	6.75	12.4	18.0	22.6	25.8	22.0	16.8	10.7	4.72	0.69	0.00	0.00	0.00				
65	0.29	0.37	0.60	0.97	1.34	1.65	1.88	1.69	1.40	1.07	0.73	0.51	0.43	0.40	0.45				
70	0.30	0.33	0.36	0.39	0.43	0.45	0.48	0.48	0.48	0.48	0.47	0.46	0.45	0.44	0.43				
75	0.26	0.27	0.28	0.29	0.31	0.32	0.33	0.35	0.36	0.37	0.38	0.38	0.37	0.37	0.35				
80	0.24	0.25	0.25	0.26	0.27	0.28	0.28	0.29	0.30	0.31	0.32	0.33	0.33	0.33	0.33				
85	0.27	0.26	0.26	0.28	0.31	0.33	0.36	0.38	0.41	0.43	0.44	0.45	0.45	0.45	0.44				
90	0.54	0.62	0.79	1.02	1.26	1.48	1.65	1.62	1.54	1.43	1.31	1.22	1.17	1.13	1.10				
95	59.7	78.7	105	138	171	200	224	224	218	206	189	173	157	139	120				
100	101	135	197	284	374	459	531	546	544	531	511	494	483	471	458				
105	162	205	277	373	475	576	667	716	751	774	788	797	803	801	793				
110	232	283	359	457	561	665	764	831	886	930	964	987	999	1002	993				
115	311	368	446	545	649	753	852	920	978	1026	1064	1095	1119	1134	1140				
120	396	455	537	637	741	844	940	998	1044	1081	1110	1137	1161	1179	1193				
125	487	547	629	728	830	929	1020	1070	1107	1134	1154	1172	1190	1204	1214				
130	576	634	712	806	903	997	1083	1130	1165	1190	1207	1222	1236	1246	1250				
135	664	716	787	872	960	1047	1127	1174	1212	1240	1260	1277	1290	1297	1299				
140	748	793	853	926	1003	1079	1150	1199	1239	1272	1298	1318	1333	1341	1343				
145	826	863	912	972	1034	1097	1158	1205	1246	1282	1311	1335	1351	1362	1366				
150	897	926	964	1009	1057	1106	1154	1196	1234	1268	1298	1322	1339	1351	1357				
155	960	981	1008	1040	1074	1110	1145	1178	1209	1238	1263	1284	1299	1311	1318				
160	1013	1027	1045	1066	1088	1112	1135	1158	1180	1200	1219	1234	1246	1255	1261				
165	1055	1063	1073	1085	1098	1112	1126	1139	1152	1164	1175	1184	1192	1197	1202				
170	1085	1089	1094	1099	1105	1111	1117	1123	1129	1135	1140	1144	1148	1151	1153				
175	1102	1103	1105	1106	1108	1109	1111	1112	1114	1115	1116	1118	1119	1120	1120				
180	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

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: