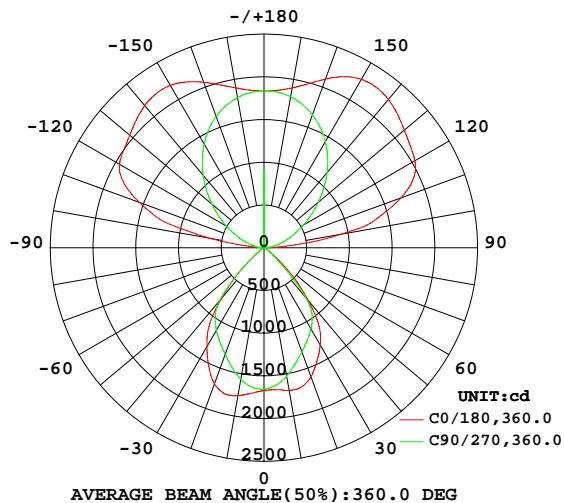


## LUMINAIRE PHOTOMETRIC TEST REPORT

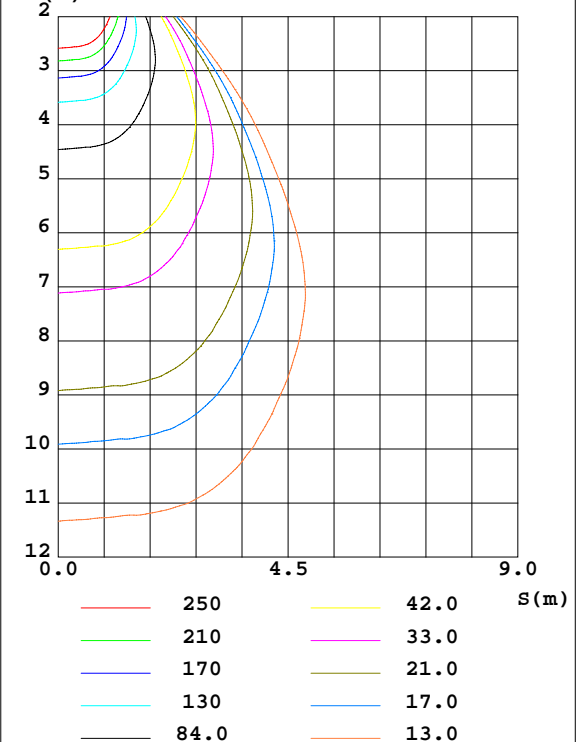
Test:U:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.73 lm/W			
MODEL		I <sub>max</sub> (cd)	2299	S/MH(C0/180)	1.13
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	10079	η UP,DN(C0-180)	39.1,11.3
NOMINAL FLUX(lm)	10079	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	38.2,11.5
LAMPS INSIDE	1	η up(%)	77.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	22.8	CIBSE SHR MAX	1.15

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:2025-04-22

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:

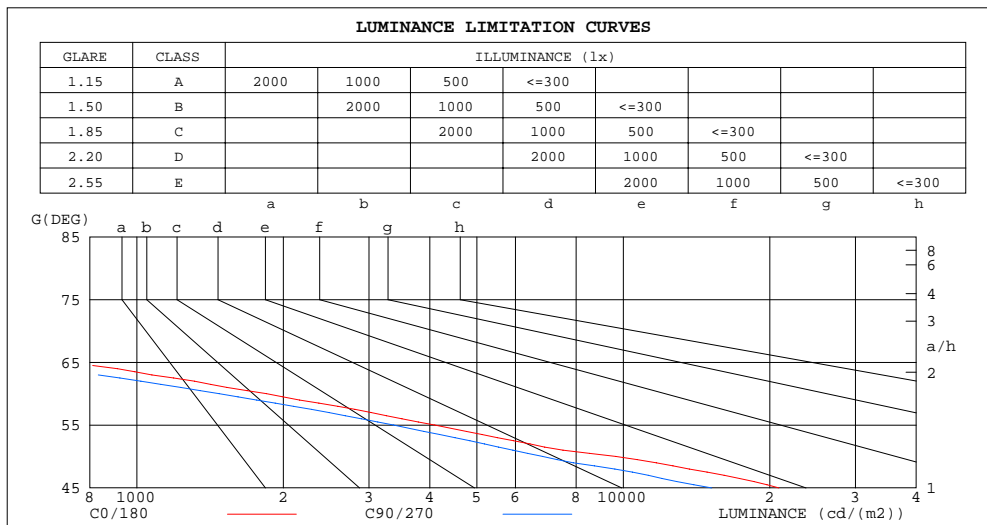
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1694	1599	1525	1628	1756	1670	1564	1616	0- 10	157.1	157.1	1.56,1.56
20	1605	1439	1299	1467	1696	1526	1329	1456	10- 20	441.4	598.4	5.94,5.94
30	1318	1208	1100	1185	1337	1238	1115	1202	20- 30	618.6	1217	12.1,12.1
40	807.6	781.6	760.1	758.6	774.3	801.3	812.8	803.3	30- 40	644.7	1862	18.5,18.5
50	208.3	179.3	147.3	162.3	161.4	184.6	163.2	197.7	40- 50	342.6	2204	21.9,21.9
60	31.03	37.83	24.80	34.05	24.64	36.28	26.18	40.18	50- 60	74.72	2279	22.6,22.6
70	3.166	3.683	1.911	3.274	2.198	3.443	2.169	3.912	60- 70	12.31	2291	22.7,22.7
80	2.122	1.220	0.1289	0.7803	3.238	0.5842	0.1890	0.7046	70- 80	1.339	2293	22.7,22.7
90	2.405	3.333	0.1460	3.608	1.046	0.5584	0.3179	92.57	80- 90	1.697	2294	22.8,22.8
100	910.0	939.1	120.0	864.1	646.1	792.5	109.8	904.1	90-100	301.2	2596	25.8,25.8
110	1704	1324	291.1	1266	1549	1185	272.4	1292	100-110	921.9	3518	34.9,34.9
120	2038	1609	533.3	1541	1951	1463	503.8	1570	110-120	1227	4744	47.1,47.1
130	2144	1828	832.1	1769	2050	1693	794.6	1796	120-130	1324	6068	60.2,60.2
140	2265	1932	1148	1883	2173	1827	1107	1920	130-140	1300	7368	73.1,73.1
150	2277	1919	1436	1900	2193	1867	1402	1920	140-150	1143	8512	84.4,84.4
160	2099	1875	1656	1878	2062	1856	1639	1871	150-160	865.3	9377	93,93
170	1900	1848	1795	1850	1901	1841	1784	1843	160-170	526.3	9903	98.3,98.3
180	1835	1835	1835	1835	1835	1835	1835	1835	170-180	175.8	10079	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:2025-04-22

$\gamma$  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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG )	C0/180	C90/270
85	754	42
80	364	22
75	170	18
70	276	166
65	716	532
60	1847	1476
55	4095	3372
50	9643	6820
45	20885	15196

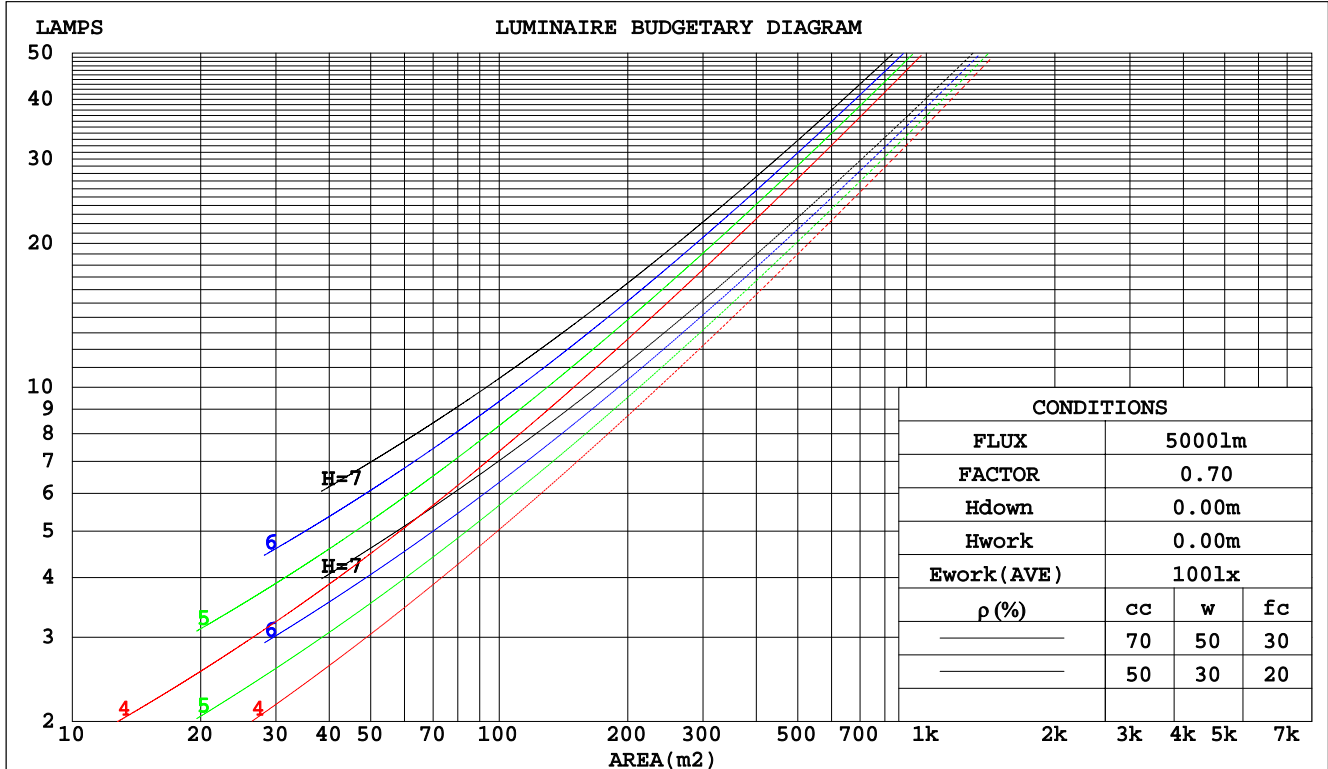
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

$\gamma$  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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	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	.89	.89	.89	.68	.68	.68	.49	.49	.49	.31	.31	.31	.23
1.0	.89	.85	.82	.79	.76	.74	.61	.59	.58	.44	.43	.42	.29	.28	.28	.21
2.0	.79	.73	.69	.70	.66	.62	.54	.52	.49	.40	.38	.37	.27	.26	.25	.19
3.0	.70	.63	.58	.63	.57	.53	.49	.45	.42	.36	.34	.32	.24	.23	.22	.17
4.0	.62	.55	.50	.56	.50	.46	.44	.40	.37	.33	.30	.28	.22	.21	.20	.16
5.0	.56	.49	.43	.50	.44	.40	.40	.36	.32	.30	.27	.25	.21	.19	.18	.14
6.0	.50	.43	.38	.45	.39	.35	.36	.32	.29	.27	.25	.22	.19	.18	.16	.13
7.0	.46	.39	.33	.41	.35	.31	.33	.29	.25	.25	.22	.20	.18	.16	.15	.12
8.0	.42	.35	.30	.38	.32	.27	.30	.26	.23	.23	.20	.18	.16	.15	.14	.11
9.0	.38	.31	.27	.34	.29	.25	.28	.23	.20	.21	.19	.17	.15	.14	.13	.10
10.0	.35	.28	.24	.32	.26	.22	.26	.21	.19	.20	.17	.15	.14	.13	.12	.10



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1203*52*31			SERIAL No.:		
MFR.:			SUR.:0.8*0*42			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	.244	.139	.044	.213	.122	.039	.157	.090	.029	.105	.060	.019	.057	.033	.011	
2.0	.226	.124	.038	.199	.110	.034	.147	.082	.025	.100	.056	.017	.055	.031	.010	
3.0	.211	.112	.034	.185	.099	.030	.138	.075	.023	.094	.052	.016	.053	.030	.009	
4.0	.196	.102	.030	.173	.091	.027	.130	.069	.021	.089	.048	.014	.051	.028	.008	
5.0	.184	.094	.027	.162	.083	.024	.122	.063	.019	.084	.044	.013	.049	.026	.008	
6.0	.172	.086	.025	.152	.077	.022	.115	.059	.017	.080	.041	.012	.047	.025	.007	
7.0	.161	.080	.023	.143	.071	.020	.108	.055	.016	.075	.039	.011	.045	.023	.007	
8.0	.152	.074	.021	.135	.066	.019	.102	.051	.015	.072	.036	.010	.043	.022	.006	
9.0	.143	.069	.019	.127	.062	.017	.097	.048	.014	.068	.034	.010	.041	.021	.006	
10.0	.136	.065	.018	.121	.058	.016	.092	.045	.013	.065	.032	.009	.039	.020	.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	.779	.779	.779	.666	.666	.666	.454	.454	.454	.261	.261	.261	.083	.083	.083	
1.0	.769	.750	.733	.658	.644	.631	.450	.443	.436	.259	.256	.254	.083	.082	.082	
2.0	.761	.730	.703	.652	.628	.608	.447	.434	.424	.258	.253	.249	.083	.082	.081	
3.0	.754	.714	.683	.646	.616	.592	.444	.428	.415	.256	.250	.245	.082	.081	.080	
4.0	.747	.703	.669	.641	.607	.581	.441	.423	.409	.255	.248	.242	.082	.081	.080	
5.0	.741	.694	.659	.636	.600	.574	.438	.419	.405	.254	.246	.240	.082	.080	.079	
6.0	.735	.687	.652	.632	.595	.568	.436	.416	.402	.253	.245	.239	.082	.080	.079	
7.0	.730	.681	.647	.628	.590	.564	.434	.414	.399	.252	.244	.238	.081	.080	.079	
8.0	.725	.676	.643	.624	.587	.560	.432	.412	.398	.251	.243	.237	.081	.080	.078	
9.0	.720	.672	.640	.620	.583	.558	.430	.410	.396	.250	.242	.236	.081	.079	.078	
10.0	.716	.669	.637	.617	.581	.556	.428	.408	.395	.250	.241	.236	.081	.079	.078	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1203*52*31			SERIAL No.:			
MFR.:					SUR.:0.8*0*42			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	2H	12.9	13.6	14.0	14.7	16.1	12.2	12.9	13.3	13.9	15.4
	3H	12.5	13.1	13.6	14.2	15.7	11.8	12.4	12.9	13.5	15.0
	4H	12.3	12.9	13.5	14.0	15.5	11.6	12.2	12.7	13.3	14.8
	6H	12.1	12.7	13.3	13.8	15.3	11.4	11.9	12.5	13.0	14.6
	8H	12.0	12.5	13.2	13.6	15.2	11.3	11.8	12.4	12.9	14.5
	12H	11.9	12.4	13.1	13.5	15.1	11.2	11.7	12.4	12.8	14.3
4H	2H	12.4	12.9	13.5	14.0	15.5	11.6	12.2	12.8	13.3	14.8
	3H	12.0	12.4	13.1	13.6	15.1	11.2	11.7	12.4	12.8	14.4
	4H	11.8	12.2	12.9	13.3	14.9	11.0	11.4	12.2	12.6	14.2
	6H	11.5	11.9	12.7	13.1	14.7	10.8	11.2	12.0	12.3	13.9
	8H	11.4	11.8	12.6	12.9	14.5	10.7	11.0	11.9	12.2	13.8
	12H	11.3	11.6	12.5	12.8	14.4	10.6	10.9	11.8	12.1	13.7
8H	4H	11.4	11.8	12.6	12.9	14.5	10.7	11.0	11.9	12.2	13.8
	6H	11.2	11.5	12.4	12.7	14.3	10.5	10.8	11.7	11.9	13.6
	8H	11.1	11.3	12.3	12.5	14.2	10.4	10.6	11.6	11.8	13.4
	12H	11.0	11.2	12.2	12.4	14.1	10.3	10.5	11.5	11.7	13.3
12H	4H	11.3	11.6	12.5	12.8	14.4	10.6	10.9	11.8	12.1	13.7
	6H	11.1	11.3	12.3	12.5	14.2	10.4	10.6	11.6	11.8	13.4
	8H	11.0	11.2	12.2	12.4	14.0	10.3	10.5	11.5	11.7	13.3
Variations with the observer position at spacings:											
S = 1.0H	+ 2.4 / -10.1					+ 2.5 / -10.9					
1.5H	+ 3.7 / - 7.4					+ 3.9 / - 7.2					
2.0H	+ 6.6 / -10.6					+ 6.0 / -10.0					

CIE Pub.117, 10079 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 8.0$ )

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:

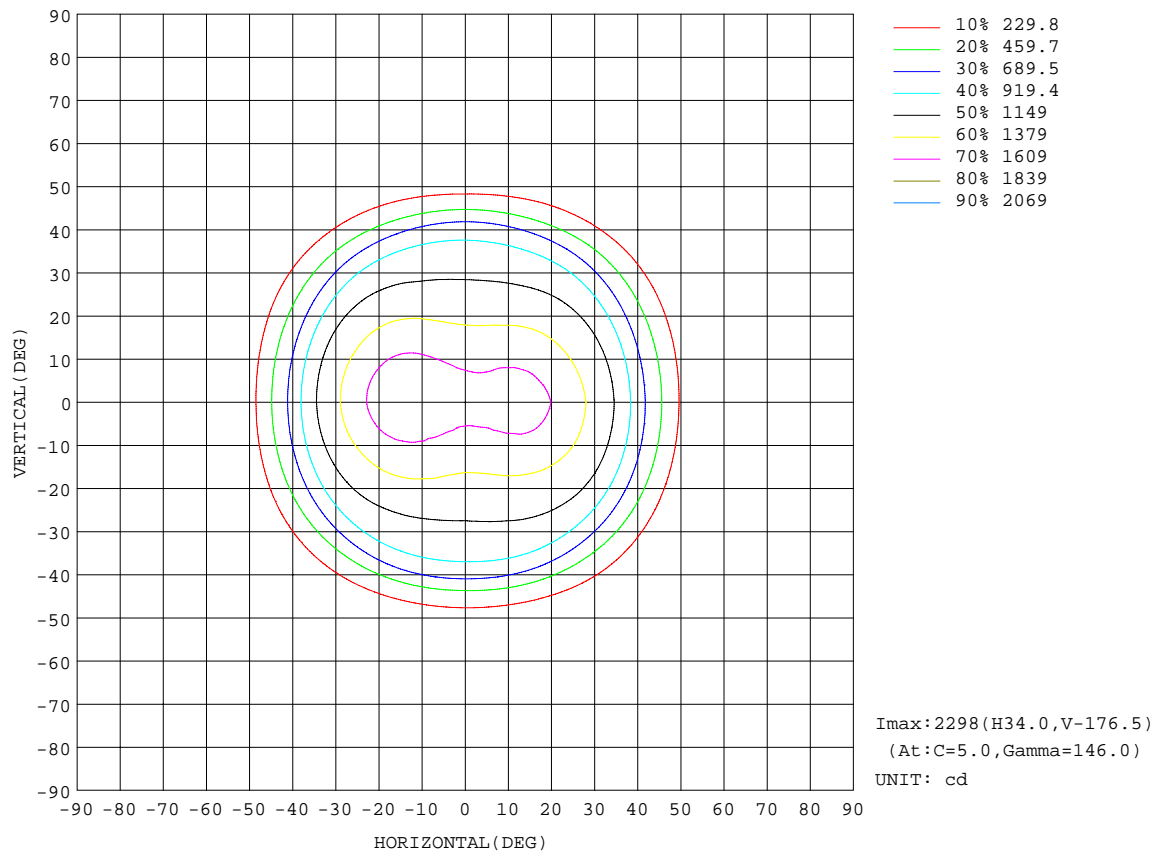
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	41	31	25	38	29	24	32	25	22	14
0.80	50	39	32	45	36	31	38	31	27	16
1.00	57	46	39	51	42	36	42	36	31	18
1.25	63	52	45	57	48	42	46	40	35	19
1.50	68	58	51	61	53	47	49	43	39	20
2.00	75	65	58	67	59	53	53	48	44	21
2.50	79	70	64	71	64	58	56	51	47	21
3.00	82	75	68	73	67	62	57	53	50	21
4.00	86	80	75	77	72	67	60	56	54	22
5.00	89	84	79	79	75	71	61	59	56	22
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:2025-04-22

$\gamma$  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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:



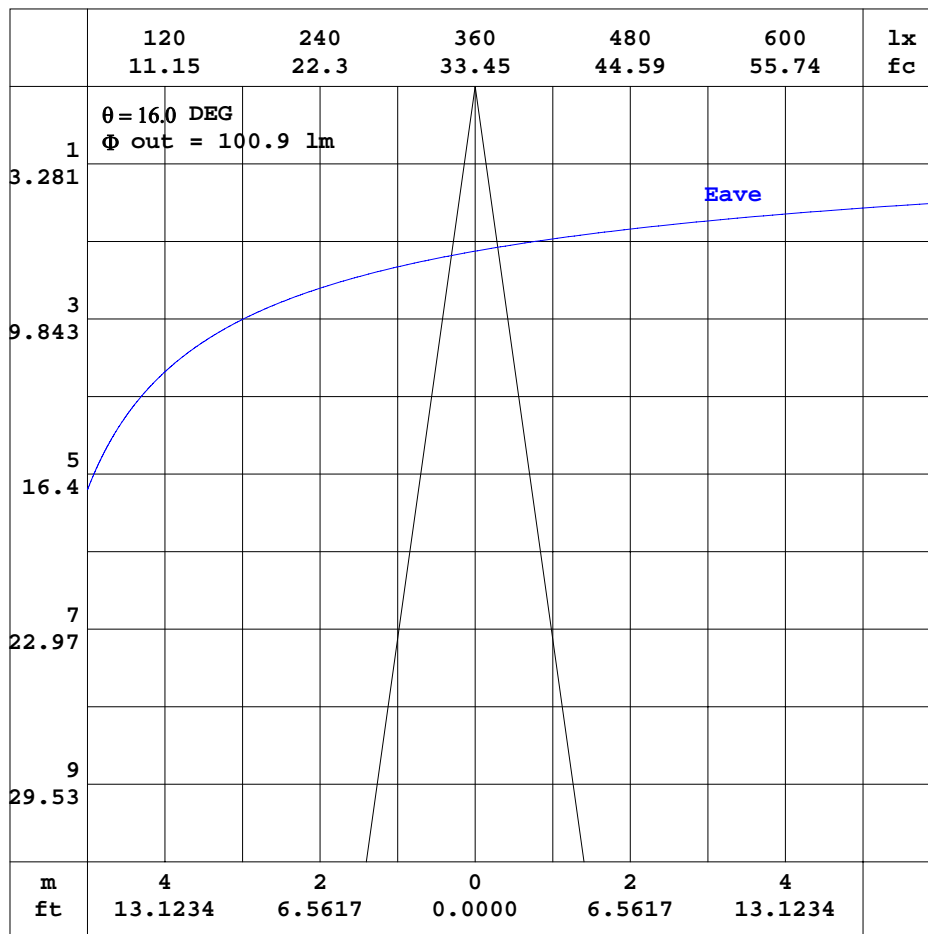
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

$\gamma$  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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:



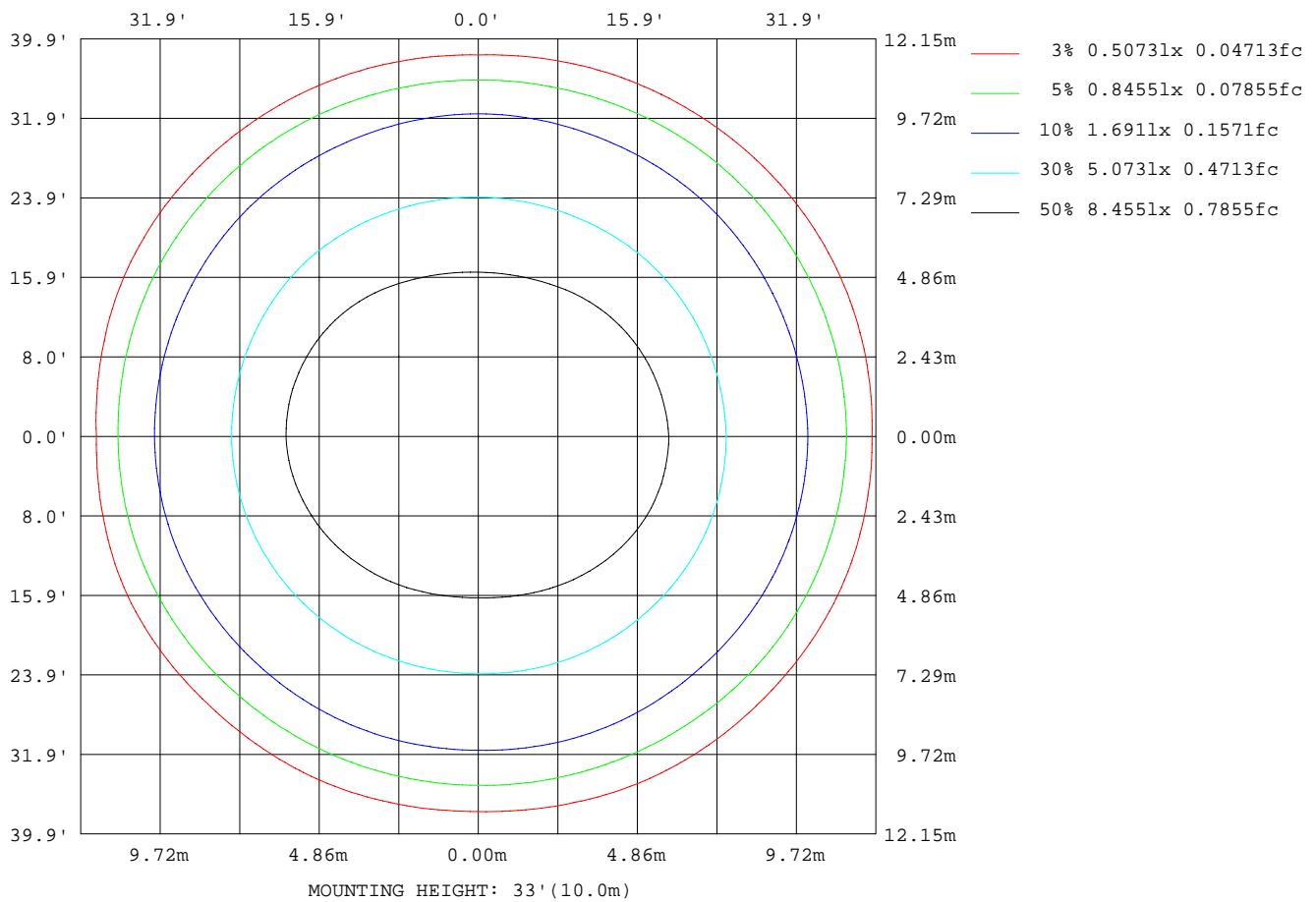
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-04-22

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:

## LED Avg.L Report

Test:U:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	Shielding Angle:

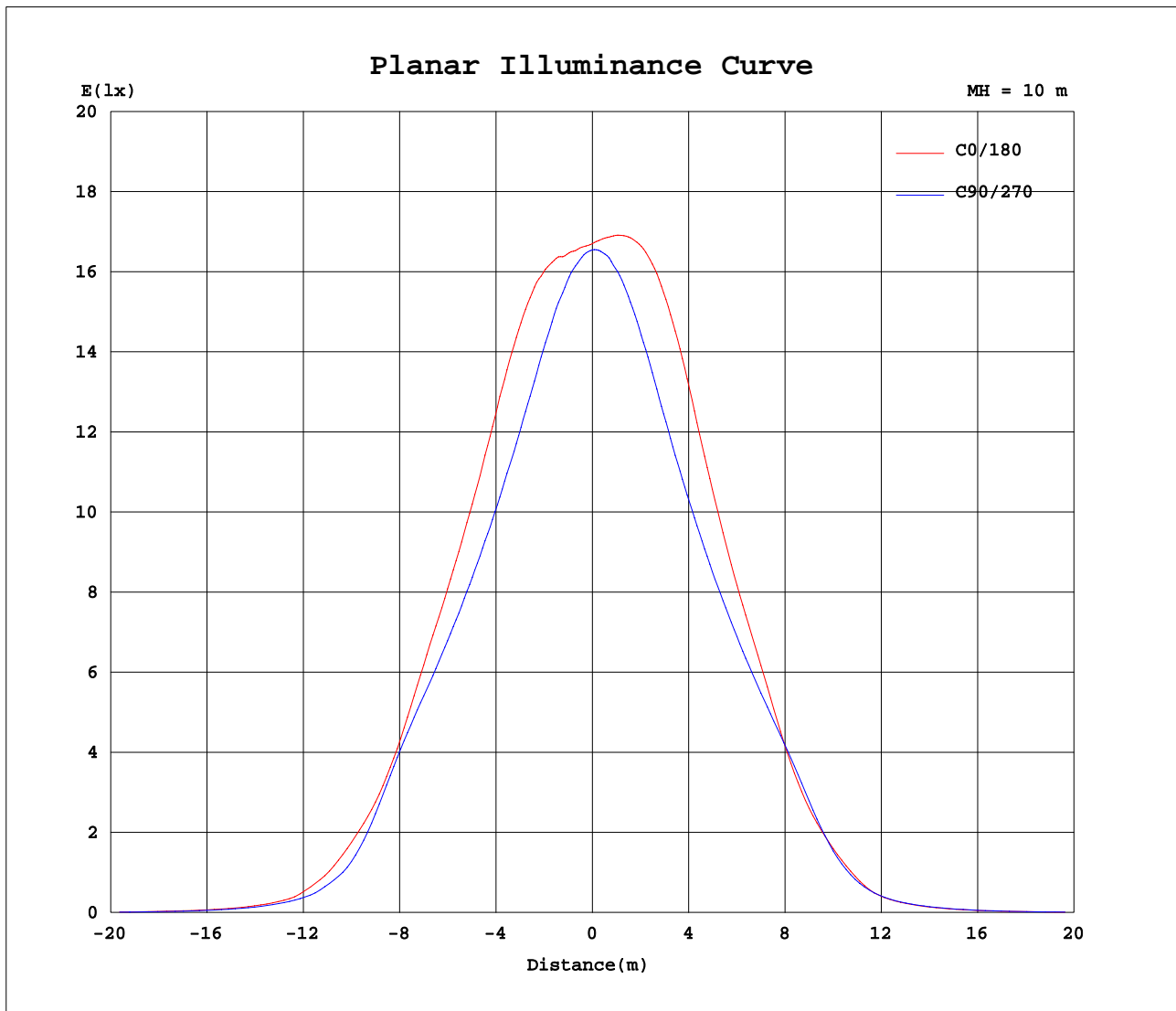
AvgL	cd/m2
L_0~180(65)av	643
L_0~180(75)av	214
L_0~180(85)av	757
L_90~270(65)av	559
L_90~270(75)av	40
L_90~270(85)av	64
L_45(65)av	930
L_45(75)av	96
L_45(85)av	608

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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: 2025-04-22

$\gamma$  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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1203*52*31						SERIAL No.:		
MFR.:									SUR.:0.8*0*42						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	1670	1670	1670	1669	1669	1668	1667	1666	1665	1664	1663	1662	1662	1661	1660	1659	1657	1656	1655
5	1669	1667	1665	1662	1659	1655	1650	1646	1641	1636	1632	1627	1623	1620	1617	1616	1616	1616	1617
10	1694	1689	1682	1674	1664	1653	1640	1627	1613	1599	1585	1573	1561	1550	1541	1533	1528	1525	1525
15	1688	1680	1670	1658	1643	1626	1605	1582	1559	1536	1514	1492	1472	1454	1438	1426	1416	1411	1410
20	1605	1597	1586	1573	1557	1538	1515	1491	1465	1439	1414	1390	1368	1347	1330	1317	1307	1300	1299
25	1466	1460	1452	1442	1428	1411	1391	1369	1347	1324	1302	1281	1262	1244	1229	1216	1206	1200	1197
30	1318	1315	1310	1303	1293	1280	1264	1246	1227	1208	1191	1174	1158	1143	1130	1120	1111	1104	1100
35	1125	1123	1120	1116	1110	1102	1093	1083	1072	1060	1049	1038	1028	1018	1009	1001	994	988	985
40	808	808	807	806	804	801	796	791	786	782	780	780	779	778	776	772	767	763	760
45	496	494	491	486	480	471	461	451	439	428	419	410	401	393	385	377	370	365	361
50	208	208	207	206	203	200	195	190	184	179	176	173	170	167	164	159	154	150	147
55	78.9	80.9	82.4	83.6	84.5	85.0	85.1	84.9	84.3	83.3	81.7	79.7	77.5	75.2	72.8	70.4	68.1	66.3	65.0
60	31.0	31.5	32.0	32.5	33.2	34.2	35.5	36.6	37.5	37.8	36.6	34.9	32.9	30.8	29.0	27.5	26.3	25.4	24.8
65	10.2	10.4	10.6	10.9	11.2	11.7	12.4	12.9	13.4	13.6	13.0	12.1	11.1	10.1	9.29	8.66	8.15	7.78	7.56
70	3.17	3.28	3.37	3.46	3.53	3.60	3.67	3.72	3.72	3.68	3.50	3.28	3.04	2.78	2.54	2.32	2.14	2.00	1.91
75	1.48	1.39	1.32	1.25	1.19	1.16	1.15	1.14	1.11	1.06	0.89	0.71	0.52	0.34	0.22	0.18	0.15	0.15	0.16
80	2.12	2.10	2.05	1.99	1.91	1.80	1.68	1.54	1.39	1.22	1.01	0.79	0.59	0.40	0.27	0.20	0.16	0.13	0.13
85	2.21	2.44	2.61	2.71	2.75	2.70	2.58	2.40	2.20	1.97	1.75	1.52	1.29	1.06	0.83	0.61	0.40	0.24	0.12
90	2.41	2.78	3.09	3.33	3.51	3.61	3.65	3.62	3.51	3.33	3.00	2.61	2.19	1.75	1.33	0.94	0.60	0.33	0.15
95	309	350	386	418	446	476	506	526	532	521	452	370	282	196	133	96.6	72.4	59.2	56.1
100	910	948	977	998	1010	1021	1028	1020	992	939	803	649	491	339	232	174	137	120	120
105	1394	1417	1428	1427	1413	1391	1360	1312	1244	1154	991	814	636	468	345	272	225	201	198
110	1704	1724	1728	1717	1690	1651	1597	1526	1435	1324	1148	961	774	599	467	384	328	297	291
115	1931	1932	1921	1896	1859	1811	1753	1679	1586	1473	1295	1106	917	739	602	511	448	412	402
120	2038	2030	2011	1983	1945	1903	1855	1792	1711	1609	1436	1250	1063	885	746	652	585	545	533
125	2089	2083	2069	2046	2015	1981	1944	1892	1822	1730	1565	1385	1203	1028	891	798	731	691	678
130	2144	2146	2138	2122	2096	2066	2031	1982	1915	1828	1672	1502	1329	1165	1035	946	882	844	832
135	2210	2215	2211	2196	2171	2140	2102	2050	1982	1896	1752	1596	1439	1289	1172	1093	1035	1002	992
140	2265	2272	2267	2252	2226	2191	2146	2088	2018	1932	1804	1668	1531	1403	1303	1234	1185	1157	1148
145	2292	2298	2292	2275	2247	2207	2154	2091	2018	1935	1827	1715	1606	1503	1423	1367	1328	1304	1298
150	2277	2279	2271	2252	2223	2181	2126	2063	1994	1919	1833	1748	1665	1589	1529	1487	1458	1441	1436
155	2210	2207	2197	2178	2151	2113	2065	2012	1954	1894	1833	1773	1716	1665	1623	1593	1572	1560	1556
160	2099	2094	2085	2070	2050	2023	1990	1954	1915	1875	1835	1796	1759	1726	1699	1680	1667	1659	1656
165	1986	1983	1978	1970	1958	1943	1924	1903	1881	1858	1836	1815	1795	1777	1763	1752	1744	1739	1737
170	1900	1900	1898	1895	1890	1884	1876	1867	1858	1848	1838	1829	1820	1811	1805	1800	1797	1795	1795
175	1851	1852	1852	1852	1851	1850	1848	1846	1843	1841	1839	1836	1834	1832	1831	1830	1830	1829	1829
180	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1203*52*31					SERIAL No.:				
MFR.:									SUR.:0.8*0*42					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	1654	1653	1652	1651	1650	1649	1649	1648	1648	1647	1646	1646	1646	1649	1655	1660	1666	1670	1671
5	1618	1619	1622	1625	1629	1634	1640	1645	1651	1655	1660	1664	1669	1676	1685	1694	1702	1709	1710
10	1530	1537	1547	1558	1571	1584	1598	1612	1628	1644	1660	1675	1691	1707	1723	1737	1748	1756	1757
15	1416	1427	1441	1458	1478	1500	1523	1548	1573	1598	1622	1647	1670	1695	1719	1741	1758	1771	1769
20	1303	1313	1326	1342	1362	1386	1411	1439	1467	1496	1526	1555	1583	1612	1639	1664	1683	1696	1694
25	1199	1206	1216	1229	1245	1264	1286	1309	1333	1358	1383	1408	1432	1457	1481	1502	1519	1531	1530
30	1100	1102	1107	1114	1124	1137	1152	1168	1185	1204	1223	1243	1262	1281	1299	1315	1328	1337	1337
35	984	985	987	991	997	1005	1014	1023	1034	1045	1056	1067	1078	1089	1100	1109	1117	1123	1124
40	761	763	766	768	768	766	763	761	759	759	760	761	763	765	768	770	772	774	775
45	362	364	368	372	377	381	386	391	398	406	414	422	430	437	442	446	450	452	453
50	148	150	153	156	158	159	160	161	162	166	169	173	175	174	171	167	164	161	165
55	65.3	66.0	67.2	68.7	70.3	71.8	73.2	74.5	75.4	75.6	75.3	74.7	73.8	72.0	69.6	67.3	65.3	63.9	64.8
60	24.9	25.3	26.1	27.0	28.4	30.1	31.8	33.1	34.0	33.3	32.1	30.6	29.0	27.6	26.6	25.7	25.0	24.6	24.7
65	7.63	7.86	8.21	8.68	9.34	10.1	10.9	11.6	12.0	11.8	11.3	10.7	10.0	9.42	8.96	8.56	8.27	8.09	8.16
70	1.96	2.07	2.22	2.39	2.59	2.79	2.98	3.14	3.27	3.29	3.27	3.20	3.10	2.93	2.72	2.51	2.33	2.20	2.28
75	0.12	0.10	0.09	0.11	0.18	0.30	0.45	0.60	0.75	0.83	0.91	1.01	1.12	1.32	1.60	1.87	2.10	2.25	2.11
80	0.11	0.10	0.11	0.15	0.18	0.24	0.34	0.52	0.78	1.38	2.03	2.67	3.25	3.58	3.65	3.60	3.45	3.24	3.01
85	0.04	0.04	0.13	0.34	0.82	1.56	2.34	3.09	3.76	3.99	4.09	4.06	3.93	3.69	3.36	2.99	2.61	2.23	1.97
90	0.13	0.22	0.41	0.70	1.20	1.88	2.55	3.15	3.61	3.47	3.18	2.78	2.33	1.95	1.69	1.45	1.23	1.05	0.90
95	63.4	78.8	101	129	167	211	253	289	315	304	282	253	219	189	163	141	124	115	128
100	120	137	172	227	328	471	617	753	864	866	841	796	742	702	680	663	652	646	651
105	204	231	279	350	467	625	790	952	1098	1167	1213	1240	1253	1259	1262	1258	1251	1241	1244
110	304	340	399	483	608	769	940	1109	1266	1362	1438	1495	1536	1560	1570	1569	1562	1549	1552
115	420	463	532	623	752	912	1081	1249	1407	1514	1602	1673	1729	1770	1798	1813	1818	1813	1807
120	555	603	676	772	902	1060	1226	1389	1541	1638	1716	1778	1828	1870	1907	1933	1948	1951	1939
125	701	751	825	921	1049	1204	1365	1522	1667	1750	1814	1862	1898	1931	1962	1985	1999	2002	1993
130	856	904	975	1067	1189	1335	1487	1634	1769	1846	1904	1948	1978	2005	2027	2042	2050	2050	2046
135	1013	1056	1121	1204	1314	1446	1583	1717	1840	1915	1974	2018	2051	2077	2097	2110	2115	2114	2112
140	1167	1204	1260	1332	1426	1539	1657	1774	1883	1957	2017	2067	2105	2135	2156	2169	2174	2173	2171
145	1313	1343	1388	1446	1523	1615	1712	1809	1903	1973	2035	2087	2130	2162	2184	2197	2202	2201	2198
150	1448	1471	1505	1550	1608	1677	1751	1827	1900	1963	2020	2070	2114	2147	2170	2185	2193	2193	2189
155	1564	1581	1605	1637	1679	1728	1781	1836	1890	1940	1987	2030	2067	2097	2118	2133	2141	2142	2137
160	1662	1673	1689	1710	1737	1769	1804	1841	1878	1913	1946	1976	2004	2026	2042	2054	2061	2062	2057
165	1740	1746	1755	1767	1782	1800	1820	1840	1861	1882	1902	1920	1937	1950	1960	1968	1972	1973	1970
170	1795	1797	1801	1806	1813	1821	1830	1840	1850	1860	1869	1877	1885	1891	1895	1899	1901	1901	1899
175	1829	1830	1830	1831	1832	1834	1836	1838	1840	1842	1844	1846	1848	1849	1851	1851	1852	1852	1852
180	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1203*52*31	SERIAL No.:
MFR.:	SUR.:0.8*0*42	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	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1662	1661	1660	1659	1657	1656	1655	1654	1653
5	1710	1708	1705	1701	1697	1692	1687	1681	1675	1669	1662	1656	1651	1646	1641	1637	1634	1633	1631
10	1754	1748	1739	1728	1715	1701	1686	1670	1654	1638	1622	1608	1595	1584	1576	1569	1564	1562	1562
15	1762	1750	1734	1715	1693	1670	1645	1620	1593	1567	1541	1517	1497	1480	1467	1456	1450	1449	1452
20	1686	1672	1653	1632	1609	1583	1555	1526	1494	1462	1432	1403	1379	1361	1346	1335	1329	1328	1332
25	1524	1514	1499	1481	1460	1438	1413	1387	1359	1331	1303	1278	1258	1243	1232	1224	1220	1220	1223
30	1334	1327	1317	1304	1290	1275	1257	1238	1217	1195	1174	1155	1140	1129	1122	1117	1115	1114	1117
35	1122	1119	1114	1108	1101	1093	1084	1074	1062	1049	1036	1025	1015	1008	1003	1000	997	996	997
40	776	777	779	782	787	792	797	801	802	802	801	801	802	805	808	811	813	810	806
45	454	454	453	453	453	453	452	451	447	443	439	435	434	433	434	435	436	434	433
50	171	176	182	185	187	187	186	185	182	180	177	174	171	168	165	164	163	165	168
55	66.4	68.5	70.8	73.4	75.9	78.2	79.9	81.0	79.7	77.8	75.5	73.0	71.1	69.8	68.9	68.4	68.4	69.2	70.5
60	25.0	25.6	26.6	28.3	30.7	33.0	34.9	36.3	35.2	33.4	31.4	29.3	27.7	26.9	26.3	26.1	26.2	26.6	27.2
65	8.37	8.70	9.14	9.82	10.7	11.5	12.2	12.7	12.2	11.5	10.6	9.76	9.10	8.71	8.45	8.32	8.31	8.47	8.75
70	2.41	2.58	2.78	2.97	3.15	3.29	3.40	3.44	3.30	3.12	2.90	2.67	2.49	2.35	2.25	2.18	2.17	2.25	2.38
75	1.90	1.63	1.35	1.13	0.99	0.87	0.77	0.67	0.56	0.45	0.37	0.31	0.30	0.36	0.42	0.49	0.55	0.50	0.44
80	2.74	2.43	2.11	1.78	1.45	1.13	0.84	0.58	0.44	0.34	0.27	0.23	0.20	0.18	0.18	0.18	0.19	0.19	0.19
85	1.74	1.53	1.34	1.16	0.98	0.82	0.67	0.54	0.44	0.37	0.31	0.27	0.24	0.23	0.23	0.24	0.25	0.23	0.22
90	0.78	0.68	0.61	0.57	0.56	0.56	0.56	0.56	0.51	0.45	0.39	0.33	0.30	0.29	0.29	0.30	0.32	0.32	0.33
95	147	172	199	228	256	279	295	300	268	227	181	134	98.1	74.8	58.5	50.0	49.8	60.5	80.1
100	661	676	693	724	763	793	805	792	682	551	413	278	185	139	112	103	110	118	141
105	1243	1239	1229	1213	1189	1150	1095	1019	873	715	555	404	296	234	196	179	183	195	226
110	1550	1540	1521	1487	1436	1370	1287	1185	1027	859	691	535	418	345	297	273	272	289	329
115	1792	1766	1729	1678	1613	1533	1439	1328	1168	1001	835	679	558	476	419	386	379	401	447
120	1915	1880	1834	1782	1723	1651	1565	1463	1309	1145	981	827	703	616	553	515	504	528	578
125	1974	1945	1906	1864	1815	1754	1679	1587	1440	1284	1125	975	852	764	698	658	644	668	718
130	2033	2013	1984	1949	1905	1849	1779	1693	1555	1407	1258	1115	999	913	850	809	795	817	865
135	2103	2086	2061	2027	1983	1927	1858	1774	1647	1512	1376	1246	1140	1061	1003	965	951	970	1013
140	2162	2145	2120	2083	2036	1977	1908	1827	1714	1595	1476	1364	1272	1203	1152	1119	1107	1122	1157
145	2188	2170	2144	2106	2058	2000	1934	1859	1763	1663	1565	1472	1396	1339	1296	1269	1258	1270	1300
150	2178	2159	2132	2094	2047	1992	1932	1867	1791	1714	1639	1569	1511	1466	1433	1411	1402	1412	1434
155	2126	2108	2084	2051	2010	1964	1915	1863	1808	1753	1700	1651	1610	1577	1553	1537	1530	1537	1554
160	2047	2032	2013	1989	1959	1927	1892	1856	1819	1783	1748	1716	1689	1669	1653	1643	1639	1644	1655
165	1964	1955	1944	1929	1911	1891	1870	1849	1827	1806	1786	1768	1752	1740	1730	1724	1722	1725	1732
170	1896	1892	1886	1879	1870	1861	1851	1841	1831	1822	1813	1805	1798	1793	1788	1785	1784	1786	1789
175	1851	1850	1849	1847	1845	1843	1840	1838	1836	1833	1831	1829	1827	1825	1824	1822	1822	1822	1824
180	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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:229.60V I:0.3570A P:80.164W PF:0.9779 Freq:49.99Hz Lamp Flux:10079x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1203*52*31						SERIAL No.:		
MFR.:									SUR.:0.8*0*42						Shielding Angle:		

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1652	1651	1650	1649	1649	1648	1648	1647	1646	1646	1646	1648	1652	1657	1663				
5	1631	1631	1632	1633	1634	1635	1637	1637	1638	1639	1641	1644	1649	1654	1661				
10	1564	1568	1575	1584	1594	1605	1616	1625	1634	1642	1651	1660	1668	1677	1686				
15	1459	1469	1482	1500	1518	1538	1558	1576	1592	1609	1624	1639	1652	1665	1677				
20	1340	1352	1368	1387	1409	1432	1456	1477	1497	1517	1535	1552	1567	1581	1594				
25	1230	1240	1253	1271	1290	1310	1331	1350	1368	1385	1402	1417	1431	1443	1455				
30	1121	1128	1139	1153	1168	1185	1202	1217	1232	1246	1260	1273	1285	1297	1307				
35	999	1003	1010	1019	1029	1039	1050	1060	1069	1078	1087	1095	1103	1111	1118				
40	802	798	797	798	800	802	803	801	797	794	792	792	793	797	801				
45	433	433	437	444	452	459	467	471	474	476	479	482	485	489	492				
50	172	176	180	185	189	193	198	202	207	210	213	214	215	214	211				
55	72.2	74.3	77.0	80.1	83.1	85.8	87.9	88.1	87.6	86.6	85.3	84.1	82.9	81.7	80.4				
60	28.2	29.5	31.5	34.0	36.5	38.6	40.2	39.4	38.0	36.3	34.4	33.0	32.2	31.6	31.2				
65	9.18	9.73	10.6	11.7	12.8	13.8	14.5	14.1	13.5	12.7	11.9	11.2	10.8	10.5	10.3				
70	2.54	2.74	2.98	3.25	3.51	3.74	3.91	3.89	3.81	3.69	3.55	3.43	3.36	3.29	3.22				
75	0.38	0.34	0.37	0.48	0.60	0.74	0.87	0.92	0.96	1.00	1.04	1.10	1.18	1.27	1.37				
80	0.21	0.23	0.29	0.37	0.47	0.58	0.70	0.82	0.95	1.08	1.23	1.39	1.55	1.73	1.92				
85	0.23	0.25	0.32	0.42	0.55	0.70	0.85	1.01	1.18	1.35	1.52	1.67	1.82	1.95	2.08				
90	0.35	0.39	0.46	0.57	0.69	0.82	92.6	1.07	1.19	1.31	1.44	1.59	1.77	1.97	2.18				
95	109	146	202	273	345	412	467	479	478	465	444	422	400	374	344				
100	182	242	346	488	635	778	904	954	980	989	984	977	970	957	937				
105	279	354	474	634	802	969	1123	1209	1276	1324	1357	1383	1402	1410	1407				
110	392	479	608	774	950	1126	1292	1401	1492	1565	1622	1666	1697	1714	1716				
115	519	614	749	917	1094	1272	1439	1552	1647	1726	1789	1842	1883	1912	1928				
120	654	754	890	1058	1233	1407	1570	1674	1760	1829	1885	1933	1975	2006	2028				
125	794	894	1029	1195	1367	1537	1694	1788	1863	1921	1966	2005	2039	2065	2082				
130	937	1032	1161	1320	1485	1647	1796	1885	1955	2009	2049	2083	2113	2133	2143				
135	1078	1164	1283	1429	1582	1733	1874	1961	2031	2086	2128	2162	2189	2206	2213				
140	1212	1287	1391	1520	1656	1792	1920	2005	2076	2135	2181	2217	2245	2262	2269				
145	1345	1407	1492	1599	1712	1826	1935	2017	2089	2150	2200	2240	2269	2287	2295				
150	1470	1518	1582	1661	1746	1833	1920	1993	2061	2122	2175	2216	2246	2266	2276				
155	1579	1613	1658	1712	1771	1833	1895	1954	2011	2063	2110	2147	2174	2194	2206				
160	1672	1694	1722	1755	1792	1831	1871	1910	1948	1984	2017	2044	2065	2081	2092				
165	1743	1757	1773	1792	1812	1834	1856	1877	1898	1918	1937	1952	1964	1974	1981				
170	1794	1801	1808	1816	1825	1834	1843	1853	1862	1871	1879	1885	1891	1895	1898				
175	1825	1827	1829	1831	1833	1835	1837	1840	1842	1844	1846	1848	1849	1850	1851				
180	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835	1835				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-04-22

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: