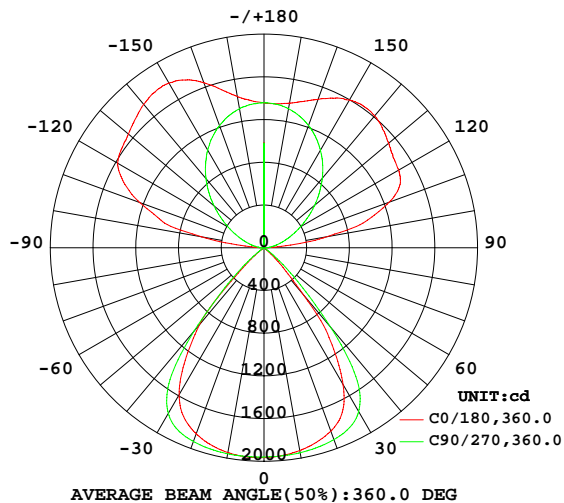


## LUMINAIRE PHOTOMETRIC TEST REPORT

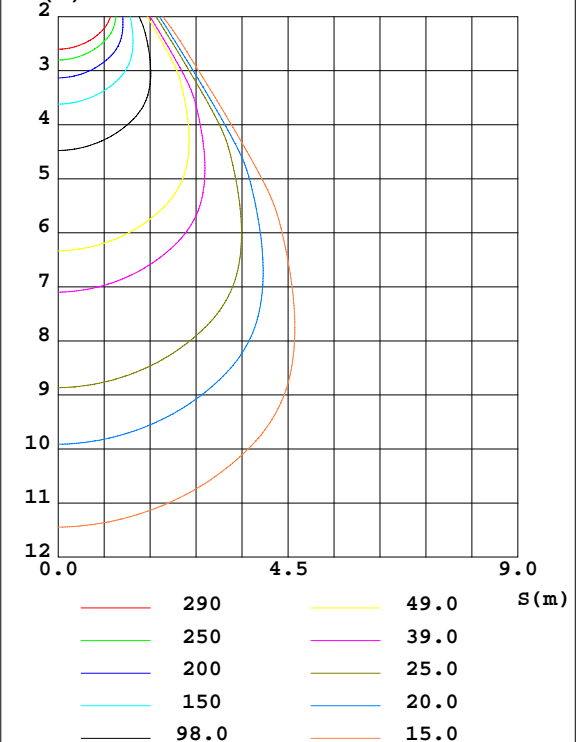
Test:U:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.85 lm/W			
MODEL		Imax(cd)	1966	S/MH(C0/180)	1.13
NOMINAL POWER(W)	70	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	8956.6	$\eta$ UP,DN(C0-180)	33.0,16.9
NOMINAL FLUX(lm)	8956.63	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	33.0,17.1
LAMPS INSIDE	1	$\eta$ up(%)	66.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	33.9	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:2025-09-29

$\gamma$  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:

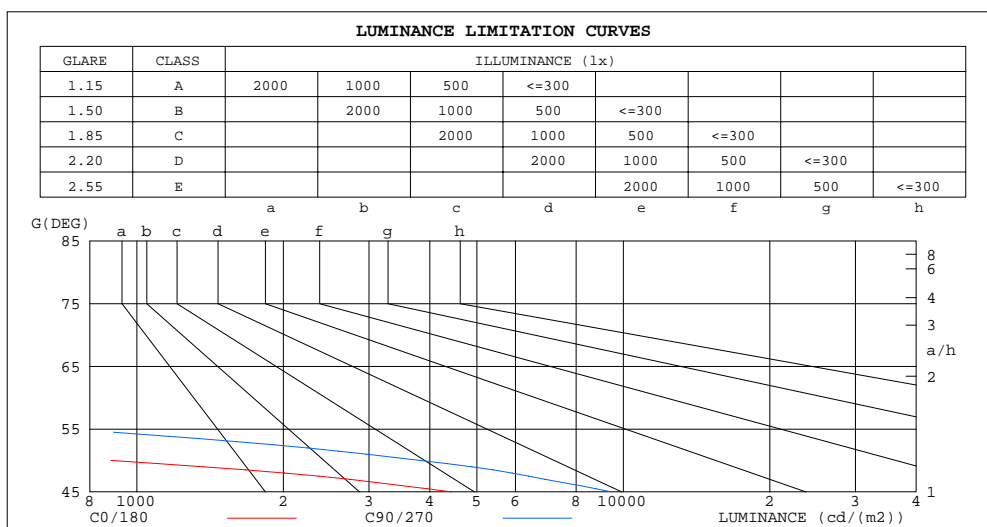
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1928	1934	1949	1950	1948	1958	1959	1941	0- 10	186.5	186.5	2.08,2.08
20	1828	1882	1912	1913	1855	1922	1930	1901	10- 20	544.2	730.7	8.16,8.16
30	1483	1793	1772	1845	1590	1856	1792	1822	20- 30	848.3	1579	17.6,17.6
40	577.6	1167	968.8	1313	937.4	1376	1016	1150	30- 40	921.6	2501	27.9,27.9
50	37.95	271.1	164.0	481.7	122.8	526.1	177.0	268.9	40- 50	458.1	2959	33,33
60	2.692	19.78	2.872	46.89	4.207	55.28	3.332	18.46	50- 60	72.85	3031	33.8,33.8
70	1.882	1.255	1.315	1.496	1.804	1.236	1.245	1.160	60- 70	3.920	3035	33.9,33.9
80	1.289	1.077	0.6274	0.9365	1.864	0.6912	0.7165	0.6443	70- 80	1.260	3037	33.9,33.9
90	0.6357	1.418	0.7646	3.084	3.488	1.624	0.8935	0.8849	80- 90	1.406	3038	33.9,33.9
100	593.8	685.0	88.87	711.4	592.1	707.4	86.93	676.3	90-100	244.0	3282	36.6,36.6
110	1246	938.1	215.3	1022	1234	1037	208.7	934.8	100-110	716.2	3998	44.6,44.6
120	1456	1142	395.0	1242	1582	1241	386.4	1141	110-120	940.4	4939	55.1,55.1
130	1524	1294	619.5	1426	1658	1408	611.6	1288	120-130	1006	5945	66.4,66.4
140	1613	1356	849.2	1513	1753	1488	845.0	1352	130-140	983.6	6929	77.4,77.4
150	1598	1359	1056	1502	1782	1507	1055	1354	140-150	860.4	7789	87,87
160	1479	1348	1219	1433	1644	1435	1217	1346	150-160	647.2	8436	94.2,94.2
170	1375	1344	1322	1382	1438	1383	1321	1344	160-170	390.5	8827	98.5,98.5
180	1356	1356	1356	1356	1356	1356	1356	1356	170-180	129.9	8957	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:2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	182	98
80	111	54
75	104	52
70	82	58
65	76	64
60	81	86
55	161	724
50	884	3819
45	4434	9467

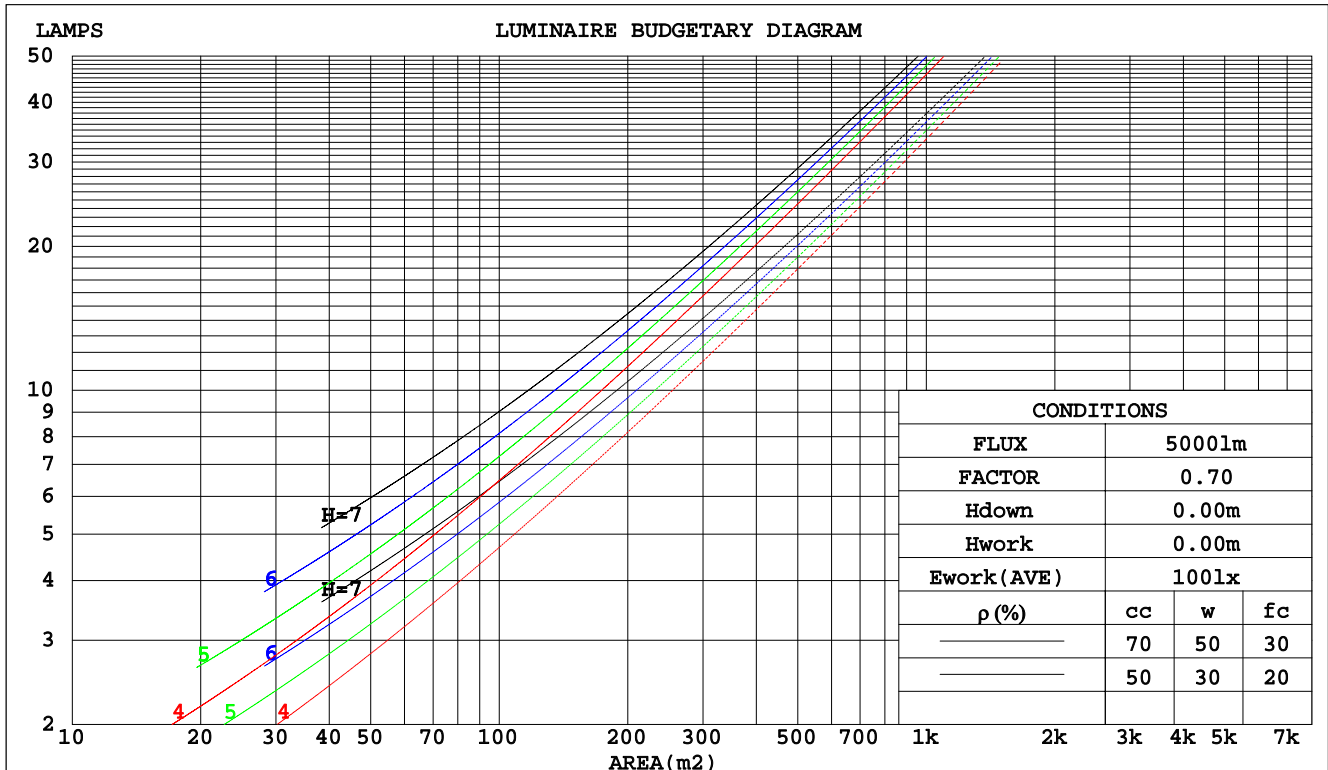
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.03	1.03	1.03	.93	.93	.93	.74	.74	.74	.57	.57	.57	.41	.41	.41	.34
1.0	.92	.89	.86	.83	.80	.78	.67	.65	.64	.52	.51	.50	.39	.38	.37	.31
2.0	.82	.77	.72	.74	.70	.66	.60	.58	.55	.48	.46	.44	.36	.35	.34	.28
3.0	.73	.67	.62	.67	.61	.57	.55	.51	.48	.43	.41	.39	.33	.32	.30	.26
4.0	.66	.59	.54	.60	.54	.50	.49	.45	.42	.40	.37	.35	.30	.29	.28	.24
5.0	.59	.52	.47	.54	.48	.44	.45	.41	.37	.36	.33	.31	.28	.26	.25	.21
6.0	.54	.46	.41	.49	.43	.39	.41	.36	.33	.33	.30	.28	.26	.24	.23	.20
7.0	.49	.42	.37	.45	.39	.34	.38	.33	.30	.31	.27	.25	.24	.22	.21	.18
8.0	.45	.38	.33	.41	.35	.31	.34	.30	.27	.28	.25	.23	.22	.20	.19	.16
9.0	.41	.34	.29	.38	.32	.28	.32	.27	.24	.26	.23	.21	.21	.19	.17	.15
10.0	.38	.31	.27	.35	.29	.25	.29	.25	.22	.24	.21	.19	.20	.17	.16	.14



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:

## WEC AND CCEC

Test:U:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1650*48*76			SERIAL No.:		
MFR.:			SUR.:1.64*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	.237	.135	.043	.210	.120	.038	.160	.092	.029	.114	.065	.021	.071	.041	.013	
2.0	.221	.121	.037	.197	.108	.033	.151	.084	.026	.109	.061	.019	.070	.040	.012	
3.0	.207	.110	.033	.185	.099	.030	.143	.077	.023	.104	.057	.017	.068	.038	.012	
4.0	.194	.101	.030	.173	.091	.027	.135	.071	.021	.099	.053	.016	.065	.036	.011	
5.0	.182	.092	.027	.163	.084	.024	.127	.066	.019	.094	.050	.015	.063	.034	.010	
6.0	.171	.085	.024	.153	.077	.022	.120	.062	.018	.089	.046	.014	.060	.032	.009	
7.0	.161	.079	.023	.144	.072	.021	.114	.058	.017	.085	.044	.013	.058	.030	.009	
8.0	.152	.074	.021	.136	.067	.019	.108	.054	.015	.081	.041	.012	.056	.029	.008	
9.0	.143	.069	.019	.129	.063	.018	.102	.051	.014	.077	.039	.011	.053	.027	.008	
10.0	.136	.065	.018	.123	.059	.017	.097	.048	.013	.074	.037	.010	.051	.026	.007	

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	.694	.694	.694	.593	.593	.593	.405	.405	.405	.233	.233	.233	.074	.074	.074	
1.0	.683	.664	.648	.584	.570	.558	.400	.392	.386	.230	.227	.224	.074	.073	.073	
2.0	.674	.643	.618	.577	.554	.534	.396	.383	.372	.228	.223	.218	.073	.072	.071	
3.0	.666	.628	.597	.571	.541	.518	.392	.376	.363	.226	.220	.214	.073	.071	.070	
4.0	.659	.616	.583	.566	.532	.506	.389	.371	.356	.225	.217	.211	.072	.071	.069	
5.0	.653	.607	.572	.561	.525	.498	.386	.367	.352	.224	.215	.209	.072	.070	.069	
6.0	.647	.599	.565	.556	.519	.492	.384	.363	.348	.223	.214	.207	.072	.070	.068	
7.0	.642	.593	.559	.552	.514	.487	.381	.360	.345	.222	.212	.205	.072	.070	.068	
8.0	.637	.588	.555	.548	.510	.484	.379	.358	.343	.221	.211	.204	.071	.069	.068	
9.0	.632	.584	.551	.544	.507	.481	.377	.356	.342	.220	.210	.204	.071	.069	.067	
10.0	.627	.580	.549	.541	.504	.479	.375	.354	.340	.219	.210	.203	.071	.069	.067	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1650*48*76			SERIAL No.:			
MFR.:					SUR.:1.64*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	11.2	11.9	12.2	12.9	14.2	13.1	13.8	14.1	14.8	16.1	
	3H	10.8	11.5	11.9	12.5	13.8	12.7	13.4	13.7	14.4	
	4H	10.6	11.2	11.7	12.3	13.6	12.5	13.1	13.6	14.1	
	6H	10.5	11.0	11.5	12.0	13.4	12.3	12.9	13.4	13.9	
	8H	10.4	10.9	11.4	11.9	13.3	12.2	12.8	13.3	13.8	
	12H	10.3	10.8	11.3	11.8	13.2	12.2	12.7	13.2	13.7	
4H	2H	10.7	11.3	11.7	12.3	13.6	12.5	13.1	13.6	14.2	
	3H	10.3	10.8	11.4	11.8	13.2	12.2	12.7	13.2	13.7	
	4H	10.1	10.5	11.2	11.6	13.0	12.0	12.4	13.0	13.5	
	6H	9.9	10.3	11.0	11.3	12.8	11.8	12.1	12.9	13.2	
	8H	9.8	10.1	10.9	11.2	12.7	11.7	12.0	12.8	13.1	
	12H	9.7	10.0	10.8	11.1	12.6	11.6	11.9	12.7	13.0	
8H	4H	9.8	10.1	10.9	11.2	12.7	11.7	12.0	12.8	13.1	
	6H	9.6	9.9	10.7	11.0	12.5	11.4	11.7	12.6	12.8	
	8H	9.5	9.7	10.6	10.8	12.4	11.3	11.6	12.5	12.7	
	12H	9.4	9.6	10.5	10.7	12.2	11.2	11.4	12.4	12.6	
12H	4H	9.7	10.0	10.8	11.1	12.6	11.6	11.9	12.7	13.0	
	6H	9.5	9.7	10.6	10.8	12.4	11.3	11.6	12.5	12.7	
	8H	9.4	9.6	10.5	10.7	12.2	11.2	11.4	12.4	12.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.8 / -23.7					+ 2.7 / -21.9					
1.5H	+ 4.0 / -18.0					+ 4.1 / -10.4					
2.0H	+ 5.8 / -16.6					+ 6.3 / -22.5					

CIE Pub.117, 8957 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.6$ )

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-09-29

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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

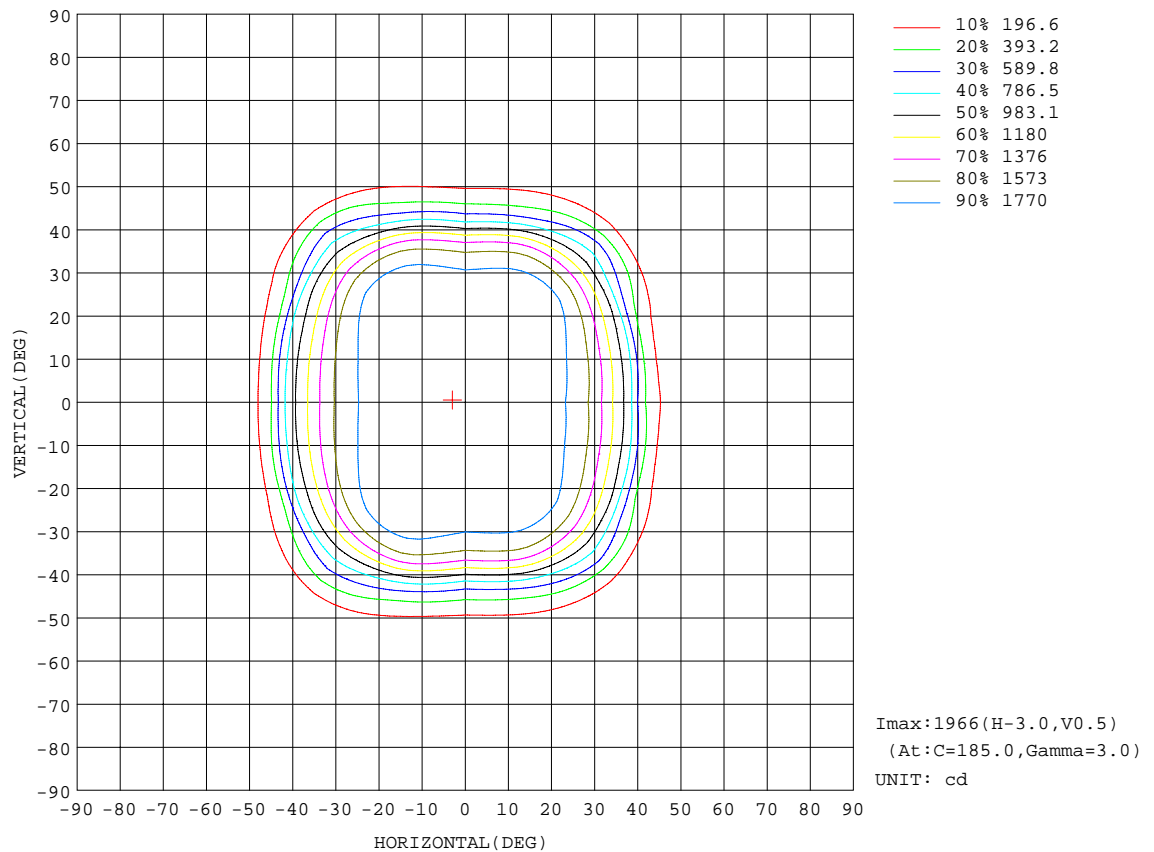
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	37	32	44	35	31	39	32	28	22
0.80	55	45	39	52	43	37	45	38	34	25
1.00	62	52	45	58	49	43	50	43	39	27
1.25	68	58	52	63	55	49	54	47	43	29
1.50	73	63	57	67	59	53	56	51	47	30
2.00	79	71	64	73	65	60	60	55	51	31
2.50	83	75	69	76	69	64	63	58	54	31
3.00	86	79	73	79	73	68	64	60	57	32
4.00	90	84	79	82	77	73	67	63	61	32
5.00	93	88	83	84	80	76	68	65	63	33
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:2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



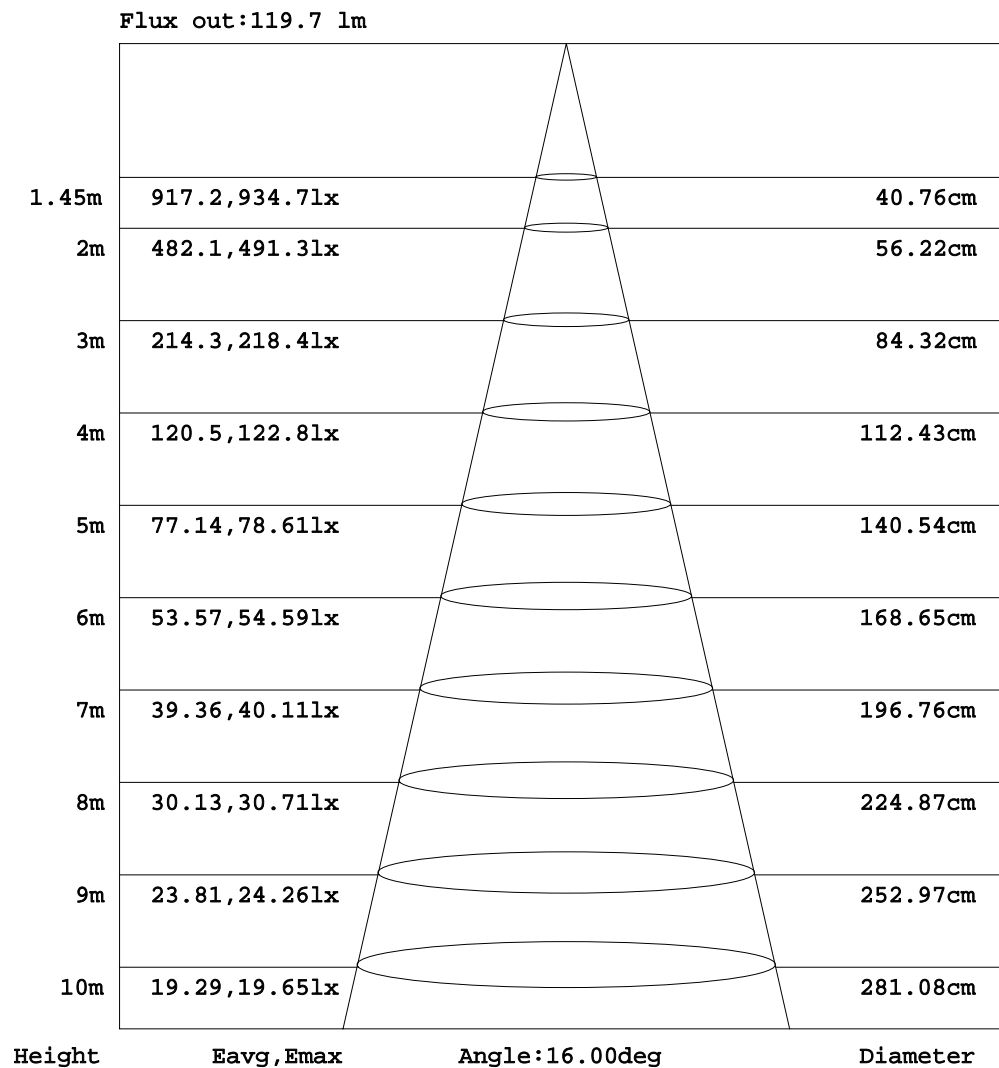
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



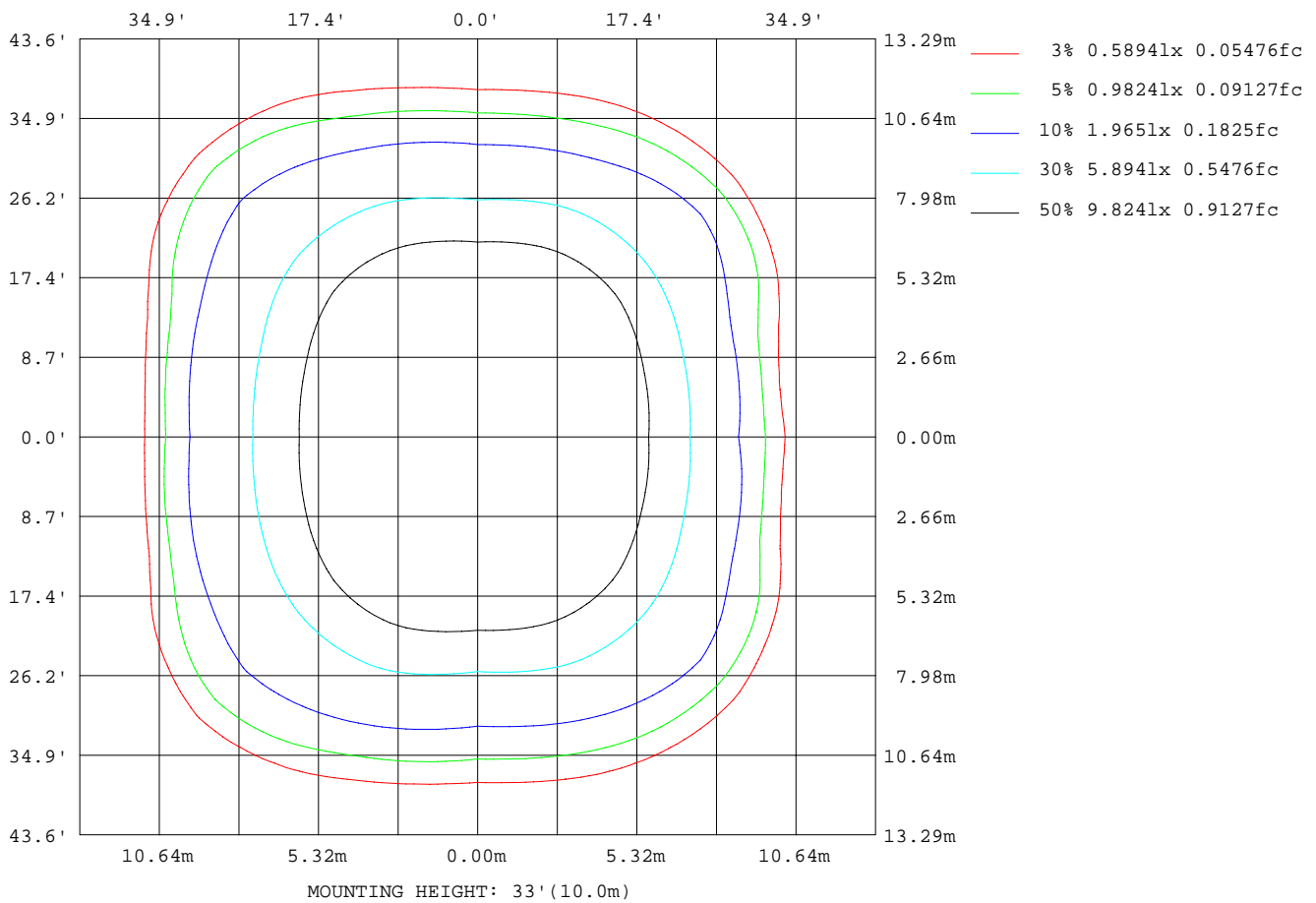
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1650*48*76	SERIAL No.:
MFR.:	SUR.:1.64*0.042	Shielding Angle:

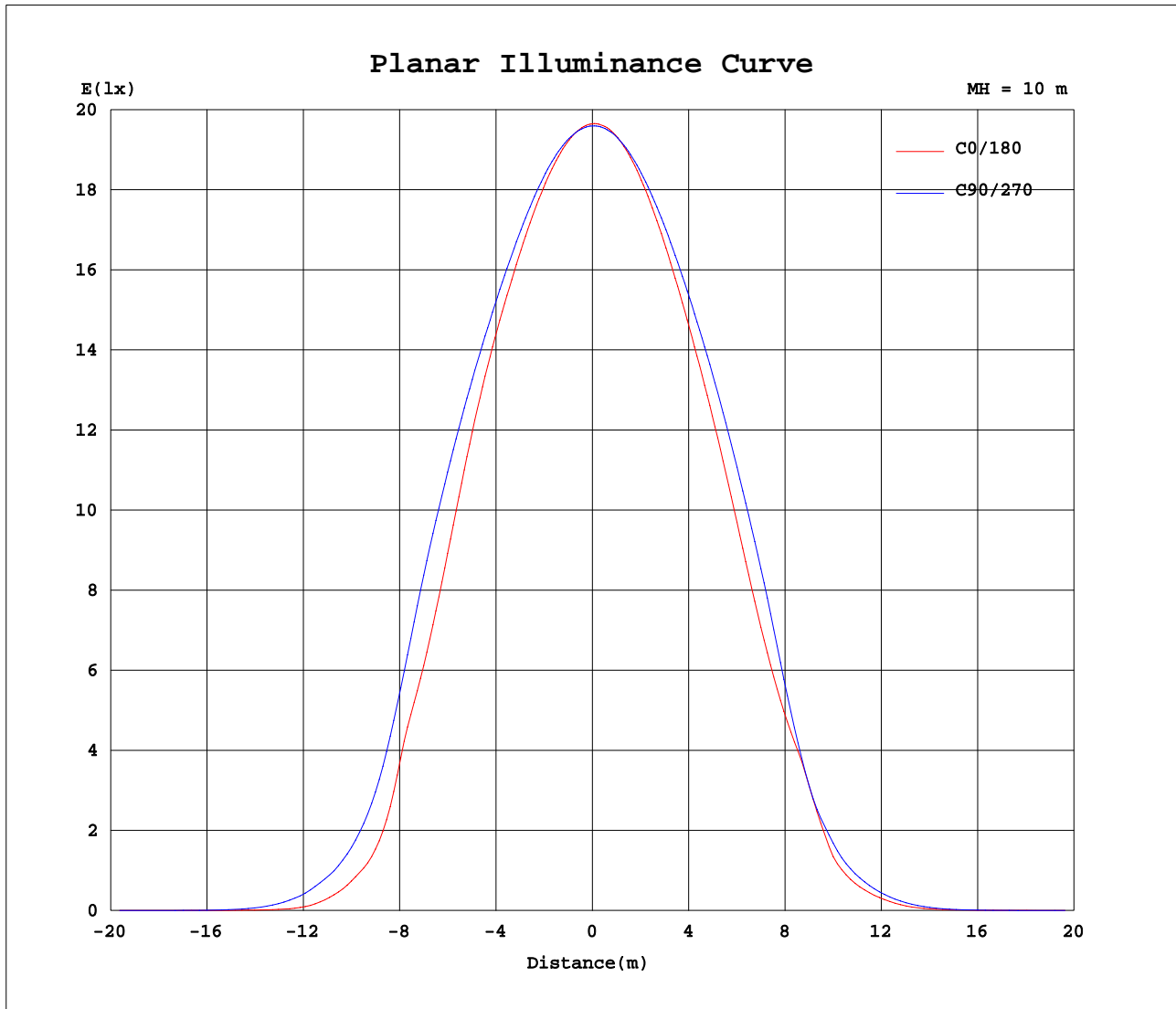
AvgL	cd/m2
L_0~180(65)av	79
L_0~180(75)av	100
L_0~180(85)av	306
L_90~270(65)av	63
L_90~270(75)av	50
L_90~270(85)av	109
L_45(65)av	158
L_45(75)av	54
L_45(85)av	185

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

$\gamma$  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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-09-29

$\gamma$  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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*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	1965	1965	1964	1964	1964	1964	1963	1963	1962	1962	1961	1961	1961	1960	1960	1960	1960	1959	1959
5	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1953	1954	1954	1954	1955	1955	1955	1956
10	1928	1928	1928	1928	1929	1930	1930	1931	1933	1934	1936	1938	1940	1942	1943	1945	1947	1948	1949
15	1888	1888	1889	1891	1893	1896	1899	1903	1907	1910	1914	1917	1920	1923	1926	1928	1931	1933	1935
20	1828	1830	1833	1837	1842	1849	1857	1865	1874	1882	1888	1893	1897	1901	1904	1906	1908	1910	1912
25	1721	1729	1738	1750	1762	1779	1798	1818	1837	1853	1862	1869	1873	1875	1875	1874	1872	1871	1871
30	1483	1501	1522	1549	1579	1618	1665	1711	1755	1793	1810	1820	1824	1822	1814	1802	1789	1778	1772
35	1114	1131	1157	1191	1233	1292	1365	1439	1510	1574	1609	1633	1646	1649	1633	1602	1570	1542	1525
40	578	635	694	756	819	891	969	1043	1110	1167	1197	1213	1215	1204	1167	1106	1047	999	969
45	209	204	214	240	282	356	457	559	654	731	731	710	673	626	578	532	493	463	447
50	37.9	42.2	51.9	67.0	87.5	119	160	201	240	271	276	272	263	248	229	207	188	172	164
55	6.15	0.90	0.00	1.88	8.11	21.8	41.8	62.5	81.4	96.6	94.5	87.7	77.7	65.9	54.5	44.6	36.3	30.3	27.7
60	2.69	1.22	0.58	0.79	1.85	4.62	8.86	13.1	17.0	19.8	17.9	15.0	11.4	7.70	5.08	3.77	2.98	2.68	2.87
65	2.15	2.07	2.01	1.97	1.94	1.94	1.97	2.00	2.02	2.04	1.97	1.90	1.82	1.75	1.71	1.72	1.74	1.77	1.81
70	1.88	1.75	1.63	1.53	1.45	1.38	1.33	1.29	1.27	1.25	1.24	1.24	1.24	1.25	1.26	1.27	1.28	1.30	1.32
75	1.80	1.55	1.34	1.17	1.04	0.97	0.95	0.96	0.98	1.00	0.96	0.91	0.87	0.83	0.82	0.83	0.85	0.88	0.90
80	1.29	1.18	1.10	1.03	0.99	0.98	1.01	1.04	1.06	1.08	1.00	0.91	0.81	0.71	0.65	0.63	0.62	0.62	0.63
85	1.06	1.10	1.14	1.18	1.22	1.27	1.33	1.37	1.39	1.38	1.25	1.09	0.93	0.77	0.66	0.61	0.58	0.56	0.57
90	0.64	0.54	0.49	0.49	0.53	0.65	0.83	1.03	1.23	1.42	1.51	1.57	1.58	1.56	1.44	1.25	1.06	0.89	0.76
95	164	187	208	227	246	267	289	307	316	316	279	235	186	137	98.5	73.7	55.9	45.5	42.7
100	594	601	610	619	628	648	676	696	701	685	591	481	364	251	170	127	99.8	87.6	88.9
105	1005	1019	1025	1022	1011	995	972	939	891	828	715	592	467	349	261	206	169	149	146
110	1246	1258	1258	1247	1224	1191	1146	1090	1020	938	818	692	567	449	356	293	249	223	215
115	1406	1400	1385	1361	1329	1291	1245	1189	1121	1042	923	797	672	553	458	390	340	309	299
120	1456	1444	1427	1403	1374	1343	1309	1265	1210	1142	1028	904	780	660	563	492	440	407	395
125	1477	1472	1460	1444	1422	1398	1372	1336	1289	1228	1119	1000	879	763	668	599	548	515	504
130	1524	1522	1514	1500	1481	1459	1433	1398	1353	1294	1191	1080	967	858	770	706	659	629	619
135	1571	1574	1569	1557	1538	1513	1483	1444	1395	1335	1241	1141	1040	944	866	810	769	743	735
140	1613	1615	1610	1596	1575	1547	1511	1467	1415	1356	1274	1188	1104	1024	959	911	876	855	849
145	1621	1621	1614	1600	1579	1549	1511	1467	1417	1362	1294	1225	1157	1094	1042	1005	978	962	958
150	1598	1596	1587	1573	1553	1525	1490	1450	1406	1359	1306	1252	1201	1154	1116	1088	1069	1058	1056
155	1545	1542	1535	1523	1506	1483	1454	1422	1388	1352	1314	1278	1243	1211	1185	1166	1153	1146	1145
160	1479	1476	1471	1462	1451	1435	1416	1395	1372	1348	1324	1300	1278	1258	1242	1230	1222	1218	1219
165	1419	1418	1415	1410	1403	1394	1383	1371	1358	1345	1332	1319	1307	1297	1289	1283	1279	1278	1279
170	1375	1375	1375	1373	1370	1366	1361	1356	1350	1344	1340	1335	1332	1329	1326	1324	1322	1321	1322
175	1354	1354	1354	1354	1354	1353	1352	1352	1351	1350	1349	1349	1348	1348	1348	1348	1348	1348	1348
180	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*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	1959	1960	1960	1960	1960	1960	1960	1960	1961	1961	1962	1962	1963	1963	1964	1964	1965	1965	1965
5	1956	1956	1957	1957	1958	1958	1958	1959	1959	1960	1961	1961	1962	1963	1963	1963	1964	1964	1964
10	1950	1951	1951	1952	1952	1952	1951	1951	1950	1949	1949	1948	1947	1947	1947	1947	1947	1948	1948
15	1936	1938	1939	1939	1939	1938	1937	1935	1933	1931	1928	1925	1922	1919	1917	1914	1913	1912	1913
20	1915	1918	1921	1923	1923	1922	1920	1917	1913	1906	1898	1890	1882	1874	1867	1861	1857	1855	1857
25	1878	1886	1893	1900	1903	1902	1899	1894	1885	1870	1853	1835	1818	1801	1787	1775	1767	1763	1767
30	1788	1809	1831	1851	1864	1869	1867	1859	1845	1816	1781	1744	1707	1672	1642	1618	1600	1590	1598
35	1561	1606	1656	1703	1733	1741	1737	1723	1697	1646	1588	1526	1464	1409	1364	1327	1301	1287	1298
40	1028	1106	1192	1275	1329	1347	1350	1338	1313	1264	1208	1148	1088	1037	998	968	947	937	945
45	479	525	581	642	705	763	814	852	873	843	795	736	668	597	526	463	413	381	406
50	177	199	227	262	309	366	418	459	482	438	378	309	239	187	157	137	125	123	127
55	34.6	44.8	57.7	72.4	90.1	109	127	140	146	131	110	85.6	60.9	42.4	31.5	23.8	19.2	17.7	18.6
60	2.73	3.30	4.81	7.50	14.0	23.8	33.3	41.4	46.9	40.8	32.1	22.1	12.0	5.71	3.72	3.02	3.30	4.21	2.98
65	1.68	1.59	1.60	1.75	2.38	3.45	4.52	5.46	6.13	5.54	4.68	3.68	2.68	2.11	2.02	2.05	2.17	2.33	2.14
70	1.33	1.35	1.37	1.39	1.41	1.42	1.44	1.47	1.50	1.56	1.62	1.68	1.74	1.78	1.79	1.80	1.80	1.80	1.85
75	0.92	0.93	0.95	0.97	0.98	1.00	1.03	1.06	1.12	1.23	1.35	1.47	1.58	1.65	1.66	1.66	1.65	1.65	1.74
80	0.62	0.63	0.64	0.66	0.68	0.71	0.76	0.83	0.94	1.17	1.42	1.66	1.88	1.99	1.98	1.95	1.90	1.86	2.01
85	0.55	0.55	0.58	0.64	0.76	0.94	1.16	1.40	1.67	2.04	2.40	2.73	3.00	3.09	3.00	2.86	2.68	2.51	2.53
90	0.82	0.95	1.13	1.37	1.66	2.00	2.36	2.73	3.08	3.41	3.69	3.93	4.09	4.12	4.02	3.86	3.68	3.49	3.44
95	50.9	66.5	89.1	118	159	210	260	305	341	341	329	309	283	252	218	187	162	146	163
100	93.4	111	143	191	275	389	507	618	711	729	725	706	678	652	632	614	600	592	605
105	154	179	222	282	379	507	640	770	886	940	974	994	1002	1006	1008	1006	1002	998	1007
110	227	258	308	378	481	615	755	893	1022	1099	1159	1203	1234	1250	1254	1251	1244	1234	1244
115	315	351	407	483	589	722	862	1001	1130	1213	1281	1335	1376	1407	1429	1442	1449	1449	1452
120	413	453	513	592	701	836	976	1114	1242	1317	1376	1422	1458	1493	1527	1554	1573	1582	1575
125	522	561	621	699	809	944	1085	1221	1346	1410	1457	1490	1514	1541	1572	1598	1615	1625	1615
130	637	674	730	805	910	1040	1175	1306	1426	1488	1533	1565	1587	1608	1630	1646	1655	1658	1651
135	751	784	834	902	998	1120	1246	1370	1483	1544	1590	1624	1647	1667	1685	1697	1704	1704	1699
140	862	891	935	994	1079	1186	1298	1410	1513	1576	1627	1666	1696	1719	1738	1749	1754	1753	1746
145	969	992	1028	1077	1148	1237	1332	1427	1518	1582	1637	1682	1719	1747	1765	1777	1781	1780	1777
150	1065	1084	1112	1151	1206	1276	1351	1428	1502	1562	1616	1664	1704	1736	1758	1772	1780	1782	1780
155	1153	1167	1188	1216	1255	1303	1356	1411	1467	1519	1569	1614	1654	1685	1707	1722	1731	1733	1731
160	1225	1235	1250	1270	1295	1326	1360	1396	1433	1471	1508	1543	1575	1601	1619	1633	1641	1644	1641
165	1283	1290	1300	1311	1326	1344	1363	1384	1405	1426	1447	1467	1486	1501	1513	1522	1528	1531	1528
170	1325	1329	1334	1340	1348	1355	1364	1373	1382	1392	1402	1412	1420	1427	1432	1436	1438	1438	1437
175	1349	1351	1353	1355	1357	1360	1363	1366	1369	1372	1374	1377	1379	1380	1381	1382	1382	1382	1382
180	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1650*48*76					SERIAL No.:				
MFR.:									SUR.:1.64*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	1965	1964	1964	1964	1963	1963	1962	1962	1961	1961	1961	1960	1960	1960	1960	1959	1959	1959	1960
5	1965	1965	1965	1965	1965	1965	1965	1965	1965	1964	1964	1964	1964	1963	1963	1962	1962	1961	1960
10	1949	1950	1951	1952	1953	1955	1956	1958	1959	1960	1961	1961	1962	1961	1961	1960	1959	1957	1956
15	1915	1918	1922	1926	1930	1935	1939	1943	1946	1949	1951	1953	1953	1953	1952	1951	1950	1948	1946
20	1862	1868	1876	1884	1894	1904	1913	1922	1927	1932	1935	1937	1937	1936	1935	1933	1930	1929	1927
25	1775	1787	1802	1820	1840	1860	1879	1896	1906	1912	1915	1916	1913	1908	1903	1897	1891	1892	1894
30	1615	1638	1667	1703	1744	1785	1823	1856	1871	1878	1879	1875	1862	1844	1824	1806	1792	1799	1810
35	1321	1356	1400	1459	1528	1598	1663	1719	1741	1751	1749	1736	1707	1665	1622	1583	1553	1572	1599
40	965	995	1036	1096	1171	1247	1317	1376	1394	1395	1381	1352	1296	1218	1140	1070	1016	1042	1085
45	450	509	579	660	745	824	890	935	909	862	800	730	663	605	552	508	477	480	496
50	139	162	194	252	332	409	477	526	499	451	392	327	275	240	211	190	177	182	194
55	22.7	30.4	41.8	62.5	91.1	119	144	162	155	140	120	98.1	78.7	63.5	50.3	39.8	32.7	34.3	39.2
60	2.49	3.14	5.39	12.9	25.0	37.2	47.8	55.3	48.8	39.2	27.8	16.2	8.53	5.44	3.74	3.13	3.33	3.13	3.42
65	2.01	1.99	2.14	2.91	4.24	5.57	6.71	7.50	6.61	5.36	3.94	2.52	1.67	1.47	1.45	1.56	1.74	1.76	1.78
70	1.89	1.92	1.92	1.84	1.69	1.52	1.37	1.24	1.25	1.30	1.36	1.42	1.43	1.39	1.34	1.29	1.25	1.27	1.31
75	1.83	1.89	1.92	1.80	1.57	1.31	1.05	0.83	0.83	0.88	0.95	1.02	1.04	1.00	0.94	0.89	0.84	0.86	0.89
80	2.15	2.26	2.31	2.16	1.81	1.42	1.04	0.69	0.63	0.63	0.68	0.75	0.78	0.77	0.75	0.73	0.72	0.72	0.72
85	2.56	2.56	2.52	2.28	1.87	1.43	1.00	0.63	0.56	0.57	0.62	0.71	0.75	0.74	0.73	0.71	0.70	0.69	0.69
90	3.39	3.32	3.22	3.01	2.68	2.32	1.96	1.62	1.40	1.22	1.07	0.96	0.90	0.87	0.87	0.88	0.89	0.88	0.87
95	190	222	257	287	312	331	340	339	305	262	213	164	123	92.8	68.6	51.2	41.3	42.3	51.4
100	624	646	668	693	717	731	729	707	614	505	389	277	194	145	112	93.1	86.9	83.8	94.2
105	1015	1021	1022	1018	1006	982	942	885	766	636	502	375	278	218	176	151	142	142	159
110	1253	1257	1254	1240	1212	1171	1113	1037	905	761	615	476	369	300	250	220	209	213	235
115	1449	1438	1418	1388	1347	1293	1224	1139	1005	862	718	580	472	397	341	306	291	299	326
120	1559	1533	1500	1465	1428	1380	1319	1241	1109	967	823	685	575	497	440	402	386	397	429
125	1596	1570	1538	1510	1484	1448	1399	1332	1203	1061	917	778	669	595	541	507	494	507	539
130	1636	1617	1591	1568	1546	1515	1470	1408	1286	1153	1016	885	782	711	658	625	612	623	652
135	1689	1673	1651	1629	1604	1571	1525	1465	1357	1238	1116	999	904	835	782	747	729	737	763
140	1733	1714	1690	1663	1633	1595	1547	1488	1391	1287	1182	1081	998	938	892	861	845	850	871
145	1769	1754	1733	1703	1665	1619	1564	1502	1415	1325	1236	1151	1082	1032	993	967	954	958	974
150	1772	1757	1735	1705	1665	1619	1566	1507	1433	1357	1282	1212	1156	1116	1086	1065	1055	1058	1069
155	1722	1706	1685	1654	1615	1571	1523	1472	1417	1362	1309	1260	1220	1190	1167	1151	1143	1144	1151
160	1633	1619	1601	1576	1544	1509	1472	1435	1398	1361	1327	1296	1270	1250	1234	1223	1217	1217	1221
165	1521	1511	1499	1483	1465	1446	1426	1405	1384	1363	1344	1326	1311	1299	1290	1283	1278	1277	1279
170	1433	1429	1424	1417	1409	1401	1392	1383	1374	1365	1356	1348	1340	1334	1329	1324	1321	1320	1321
175	1381	1380	1379	1377	1375	1373	1370	1368	1365	1362	1359	1357	1354	1353	1351	1350	1349	1347	1346
180	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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:229.66V I:0.2951A P:67.422W PF:0.9950 Freq:49.99Hz Lamp Flux:8956.63x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1650*48*76						SERIAL No.:		
MFR.:									SUR.:1.64*0.042						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	1960	1960	1960	1960	1960	1960	1961	1961	1962	1962	1963	1963	1964	1964	1964				
5	1959	1958	1957	1956	1956	1955	1955	1954	1954	1954	1954	1953	1953	1953	1953				
10	1954	1952	1950	1948	1946	1943	1941	1939	1936	1934	1932	1931	1930	1929	1928				
15	1943	1940	1937	1934	1931	1927	1923	1917	1912	1907	1902	1898	1895	1892	1889				
20	1926	1923	1921	1917	1913	1908	1901	1892	1881	1870	1859	1850	1843	1837	1832				
25	1895	1897	1897	1895	1892	1885	1876	1857	1836	1814	1791	1772	1757	1743	1731				
30	1824	1837	1846	1850	1848	1839	1822	1781	1734	1683	1632	1589	1556	1527	1503				
35	1630	1659	1673	1670	1656	1631	1593	1525	1449	1371	1294	1233	1189	1154	1129				
40	1136	1187	1216	1219	1208	1186	1150	1089	1019	944	866	796	736	680	627				
45	522	555	599	650	693	721	728	649	552	446	342	267	227	204	198				
50	210	228	246	260	270	274	269	235	195	152	110	77.7	58.3	45.3	38.5				
55	46.4	55.1	65.3	76.0	85.0	91.0	92.7	77.8	59.5	39.6	20.4	7.33	1.44	0.00	0.86				
60	4.19	5.44	7.82	11.1	14.3	16.8	18.5	15.9	12.4	8.45	4.58	2.03	1.05	0.83	1.38				
65	1.82	1.86	1.91	1.97	2.03	2.09	2.14	2.16	2.16	2.16	2.15	2.15	2.15	2.15	2.15				
70	1.35	1.38	1.37	1.30	1.24	1.19	1.16	1.25	1.36	1.49	1.61	1.71	1.78	1.83	1.86				
75	0.92	0.95	0.93	0.87	0.82	0.78	0.77	0.87	1.00	1.14	1.29	1.42	1.53	1.63	1.72				
80	0.72	0.72	0.71	0.67	0.65	0.64	0.64	0.74	0.85	0.96	1.08	1.17	1.22	1.26	1.28				
85	0.69	0.69	0.68	0.66	0.64	0.63	0.63	0.66	0.70	0.74	0.80	0.85	0.90	0.95	1.00				
90	0.86	0.85	0.85	0.85	0.86	0.87	0.88	0.92	0.96	0.99	1.01	0.99	0.94	0.86	0.76				
95	68.2	92.8	132	184	236	285	324	327	319	303	280	259	239	216	191				
100	120	162	241	353	469	580	676	700	703	692	671	653	642	628	612				
105	193	245	332	450	576	701	818	887	941	981	1009	1027	1037	1037	1026				
110	277	337	430	551	680	810	935	1022	1095	1155	1202	1237	1258	1267	1263				
115	373	439	535	658	788	918	1042	1124	1194	1252	1298	1337	1368	1390	1403				
120	480	550	648	770	897	1024	1141	1211	1267	1311	1346	1377	1406	1429	1446				
125	590	658	754	872	995	1115	1226	1289	1337	1373	1400	1424	1446	1462	1473				
130	699	763	851	960	1073	1184	1288	1349	1397	1434	1462	1485	1505	1518	1524				
135	805	862	940	1036	1136	1236	1330	1392	1444	1485	1517	1543	1562	1573	1576				
140	906	953	1018	1098	1183	1269	1352	1412	1465	1510	1548	1577	1598	1611	1616				
145	1001	1039	1090	1152	1219	1288	1356	1413	1465	1511	1550	1581	1603	1617	1623				
150	1089	1118	1155	1201	1251	1302	1354	1401	1446	1486	1522	1551	1572	1586	1595				
155	1165	1185	1211	1242	1277	1314	1351	1387	1421	1452	1481	1504	1521	1533	1541				
160	1230	1242	1258	1278	1299	1322	1346	1370	1393	1414	1434	1450	1461	1470	1476				
165	1283	1289	1298	1308	1319	1331	1344	1357	1370	1382	1393	1402	1408	1414	1417				
170	1322	1324	1327	1330	1334	1339	1344	1349	1354	1360	1365	1368	1371	1373	1375				
175	1346	1345	1345	1346	1347	1348	1349	1351	1352	1353	1354	1355	1355	1355	1355				
180	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-09-29

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: