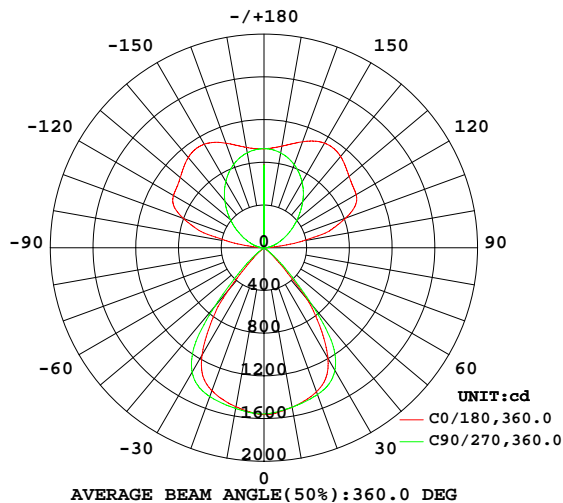


## LUMINAIRE PHOTOMETRIC TEST REPORT

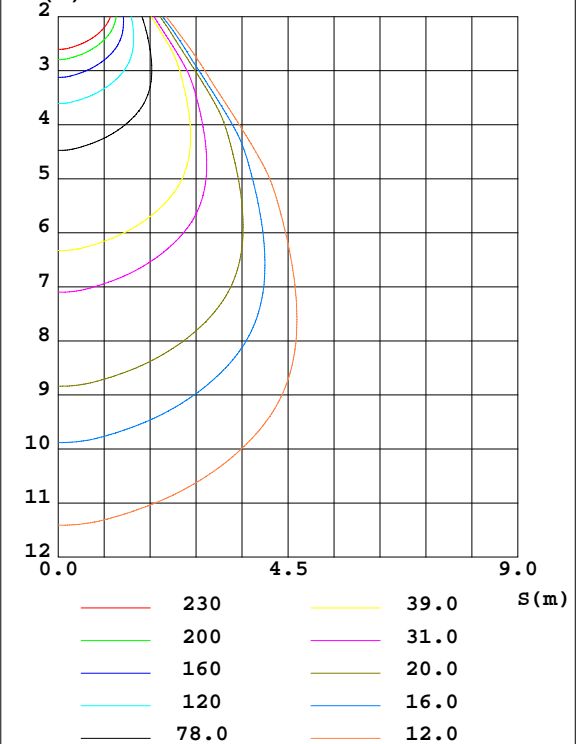
Test:U:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.21 lm/W			
MODEL		Imax(cd)	1562	S/MH(C0/180)	1.06
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	6158.0	$\eta$ UP,DN(C0-180)	31.3,18.5
NOMINAL FLUX(lm)	6157.98	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	31.7,18.5
LAMPS INSIDE	1	$\eta$ up(%)	63.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	37.0	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:

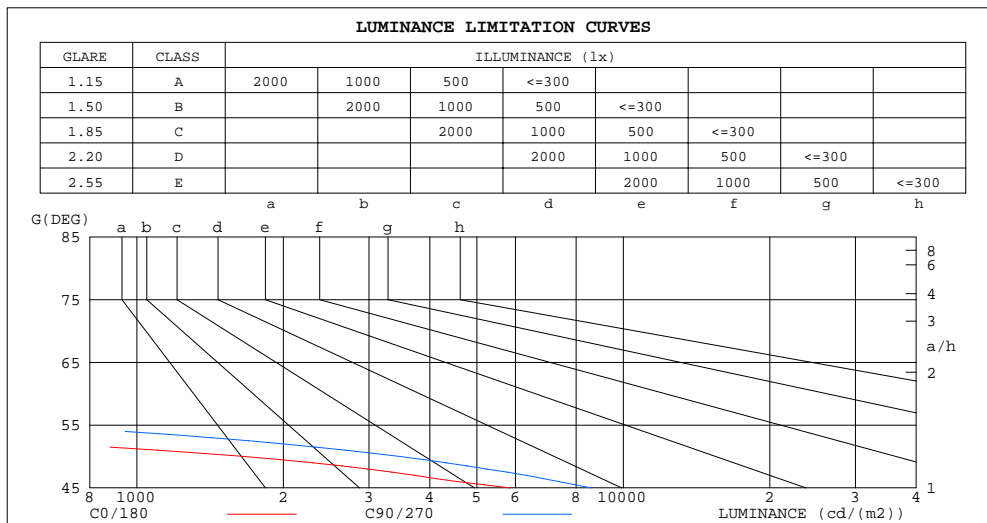
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1516	1506	1516	1499	1512	1513	1528	1511	0- 10	146.2	146.2	2.37,2.37
20	1435	1440	1463	1429	1425	1451	1483	1447	10- 20	418.3	564.5	9.17,9.17
30	1199	1388	1327	1361	1161	1390	1345	1397	20- 30	643.5	1208	19.6,19.6
40	628.8	968.4	706.3	891.2	518.1	938.4	715.3	955.5	30- 40	690.6	1899	30.8,30.8
50	57.21	296.2	119.7	263.8	42.13	263.5	115.5	290.8	40- 50	329.7	2228	36.2,36.2
60	0.6536	24.02	0.6580	18.60	0.5147	20.57	0.6604	21.84	50- 60	46.87	2275	36.9,36.9
70	0.3525	0.2323	0.2320	0.2320	0.3685	0.2462	0.2013	0.2993	60- 70	1.390	2277	37,37
80	0.2234	0.1375	0.1204	0.1890	1.324	0.2761	0.1892	0.2148	70- 80	0.2734	2277	37,37
90	0.7732	0.5412	0.1203	2.474	1.607	1.151	0.4210	1.280	80- 90	0.7727	2278	37,37
100	367.0	435.0	58.07	420.0	333.8	440.2	57.67	444.0	90-100	136.6	2414	39.2,39.2
110	813.2	621.1	142.0	590.9	801.9	624.1	141.8	637.9	100-110	454.1	2868	46.6,46.6
120	996.4	772.5	258.3	750.1	979.2	775.4	259.5	785.3	110-120	611.8	3480	56.5,56.5
130	1041	900.7	403.1	877.9	1024	899.8	411.1	905.8	120-130	659.4	4139	67.2,67.2
140	1116	961.0	565.7	937.0	1104	956.0	570.4	962.7	130-140	652.1	4792	77.8,77.8
150	1132	966.8	713.6	942.7	1120	956.9	716.2	966.9	140-150	576.1	5368	87.2,87.2
160	1056	951.5	828.5	931.3	1042	938.8	831.1	951.5	150-160	436.0	5804	94.2,94.2
170	966.7	936.9	902.6	925.4	954.4	927.6	904.1	937.0	160-170	265.6	6069	98.6,98.6
180	927.5	927.5	927.5	927.5	927.5	927.5	927.5	927.5	170-180	88.77	6158	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  
 $\gamma$  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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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	69	22
80	24	13
75	19	12
70	19	13
65	20	13
60	24	25
55	186	601
50	1658	3467
45	5847	8585

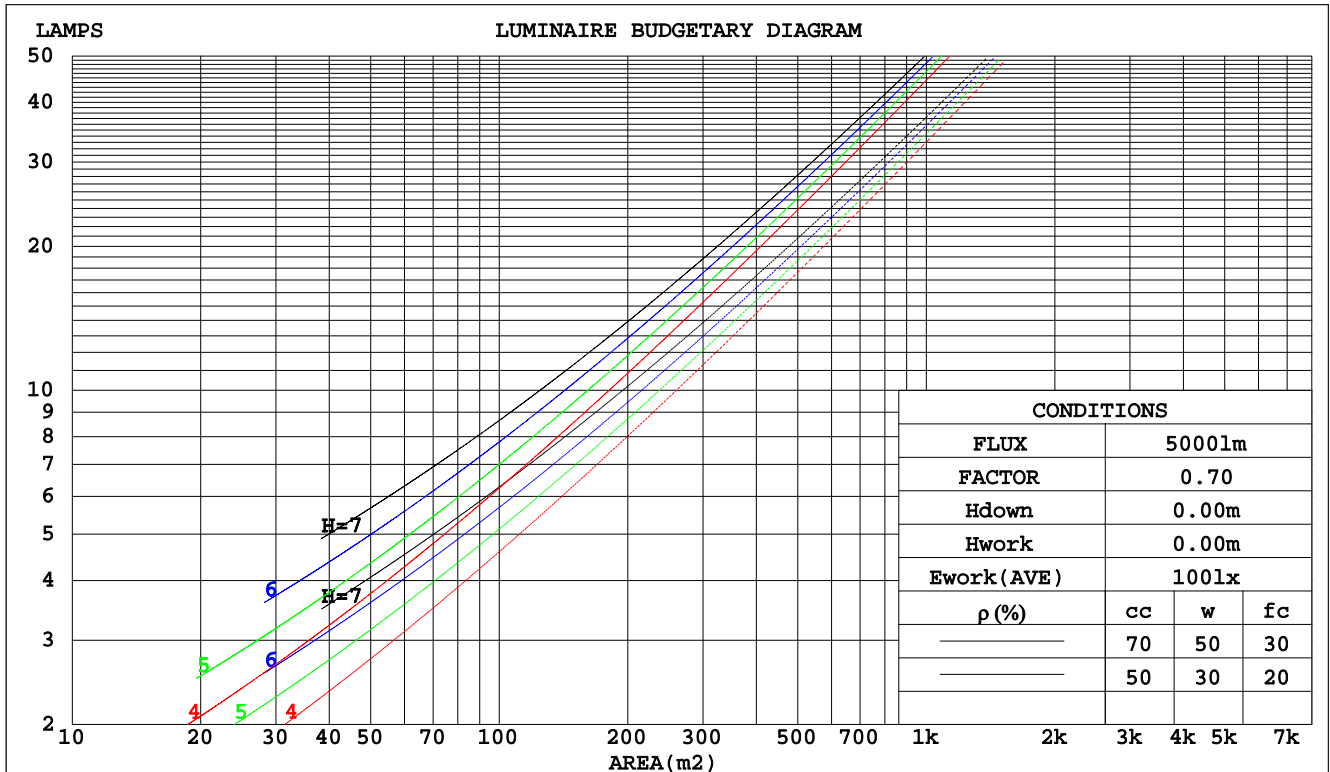
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-20

$\gamma$  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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*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	1.04	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	.41	.40	.34
2.0	.83	.78	.73	.76	.71	.68	.62	.59	.57	.50	.48	.46	.38	.37	.36	.31
3.0	.74	.68	.63	.68	.63	.58	.56	.53	.50	.45	.43	.41	.35	.34	.33	.28
4.0	.67	.60	.55	.61	.55	.51	.51	.47	.44	.42	.39	.37	.33	.31	.30	.26
5.0	.60	.53	.48	.56	.49	.45	.47	.42	.39	.38	.35	.33	.30	.28	.27	.24
6.0	.55	.48	.42	.50	.44	.40	.43	.38	.35	.35	.32	.30	.28	.26	.25	.22
7.0	.50	.43	.38	.46	.40	.36	.39	.34	.31	.32	.29	.27	.26	.24	.22	.20
8.0	.46	.39	.34	.42	.36	.32	.36	.31	.28	.30	.27	.24	.24	.22	.21	.18
9.0	.42	.35	.30	.39	.33	.29	.33	.29	.25	.28	.24	.22	.23	.21	.19	.17
10.0	.39	.32	.28	.36	.30	.26	.31	.26	.23	.26	.23	.20	.21	.19	.17	.16



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:

## WEC AND CCEC

Test:U:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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	.234	.133	.042	.208	.119	.038	.160	.092	.029	.115	.067	.021	.074	.043	.014	
2.0	.219	.120	.037	.196	.108	.033	.152	.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	.069	.037	.011	
5.0	.180	.092	.027	.162	.083	.024	.128	.067	.020	.096	.051	.015	.066	.035	.011	
6.0	.170	.085	.024	.153	.077	.022	.121	.062	.018	.091	.047	.014	.064	.033	.010	
7.0	.160	.079	.022	.144	.072	.020	.115	.058	.017	.087	.045	.013	.061	.032	.009	
8.0	.151	.074	.021	.136	.067	.019	.109	.054	.016	.083	.042	.012	.059	.030	.009	
9.0	.143	.069	.019	.129	.063	.018	.103	.051	.015	.079	.040	.011	.056	.029	.008	
10.0	.135	.065	.018	.123	.059	.017	.099	.048	.014	.076	.038	.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	.671	.671	.671	.573	.573	.573	.391	.391	.391	.225	.225	.225	.072	.072	.072		
1.0	.659	.641	.624	.564	.550	.537	.386	.378	.372	.222	.219	.216	.071	.070	.070		
2.0	.650	.620	.594	.557	.533	.514	.381	.369	.358	.220	.215	.210	.071	.069	.068		
3.0	.642	.604	.573	.550	.521	.497	.378	.362	.349	.218	.211	.206	.070	.069	.067		
4.0	.635	.592	.559	.545	.511	.486	.375	.356	.342	.217	.209	.202	.070	.068	.067		
5.0	.629	.582	.548	.540	.504	.477	.372	.352	.337	.215	.207	.200	.069	.067	.066		
6.0	.623	.575	.541	.535	.498	.471	.369	.349	.333	.214	.205	.198	.069	.067	.065		
7.0	.617	.569	.535	.531	.493	.466	.367	.346	.330	.213	.204	.197	.069	.067	.065		
8.0	.612	.564	.531	.527	.489	.463	.365	.343	.328	.212	.203	.196	.069	.066	.065		
9.0	.607	.560	.527	.523	.486	.460	.363	.341	.327	.211	.202	.195	.068	.066	.065		
10.0	.603	.556	.525	.520	.483	.458	.361	.340	.325	.210	.201	.194	.068	.066	.064		

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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	12.4	13.2	13.4	14.1	15.4	13.5	14.3	14.5	15.2	16.5
3H	12.1	12.7	13.1	13.7	15.0	13.2	13.9	14.2	14.8	16.1
4H	11.9	12.5	12.9	13.5	14.8	13.0	13.6	14.0	14.6	15.9
6H	11.7	12.3	12.7	13.3	14.6	12.8	13.4	13.9	14.4	15.7
8H	11.6	12.1	12.6	13.2	14.5	12.7	13.3	13.8	14.3	15.6
12H	11.5	12.0	12.6	13.0	14.4	12.6	13.1	13.7	14.2	15.5
4H 2H	11.9	12.5	12.9	13.5	14.8	13.0	13.6	14.0	14.6	15.9
3H	11.5	12.0	12.6	13.1	14.4	12.7	13.2	13.7	14.2	15.5
4H	11.3	11.8	12.4	12.8	14.2	12.5	12.9	13.5	13.9	15.3
6H	11.2	11.5	12.2	12.6	14.0	12.3	12.6	13.3	13.7	15.1
8H	11.0	11.4	12.1	12.5	13.9	12.2	12.5	13.2	13.6	15.0
12H	10.9	11.3	12.0	12.3	13.8	12.1	12.4	13.2	13.5	14.9
8H 4H	11.0	11.4	12.1	12.5	13.9	12.2	12.5	13.2	13.6	15.0
6H	10.8	11.1	11.9	12.2	13.7	12.0	12.2	13.1	13.3	14.8
8H	10.7	11.0	11.9	12.1	13.6	11.8	12.1	13.0	13.2	14.7
12H	10.6	10.8	11.8	12.0	13.4	11.7	12.0	12.9	13.1	14.6
12H 4H	10.9	11.3	12.0	12.3	13.8	12.1	12.4	13.2	13.5	14.9
6H	10.7	11.0	11.9	12.1	13.6	11.8	12.1	13.0	13.2	14.7
8H	10.6	10.8	11.8	12.0	13.4	11.7	12.0	12.9	13.1	14.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -30.4					+ 2.7 / -22.0				
1.5H	+ 3.7 / -14.7					+ 4.0 / - 9.7				
2.0H	+ 5.4 / -29.3					+ 6.0 / -33.9				

CIE Pub.117, 6158 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.3$ )

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

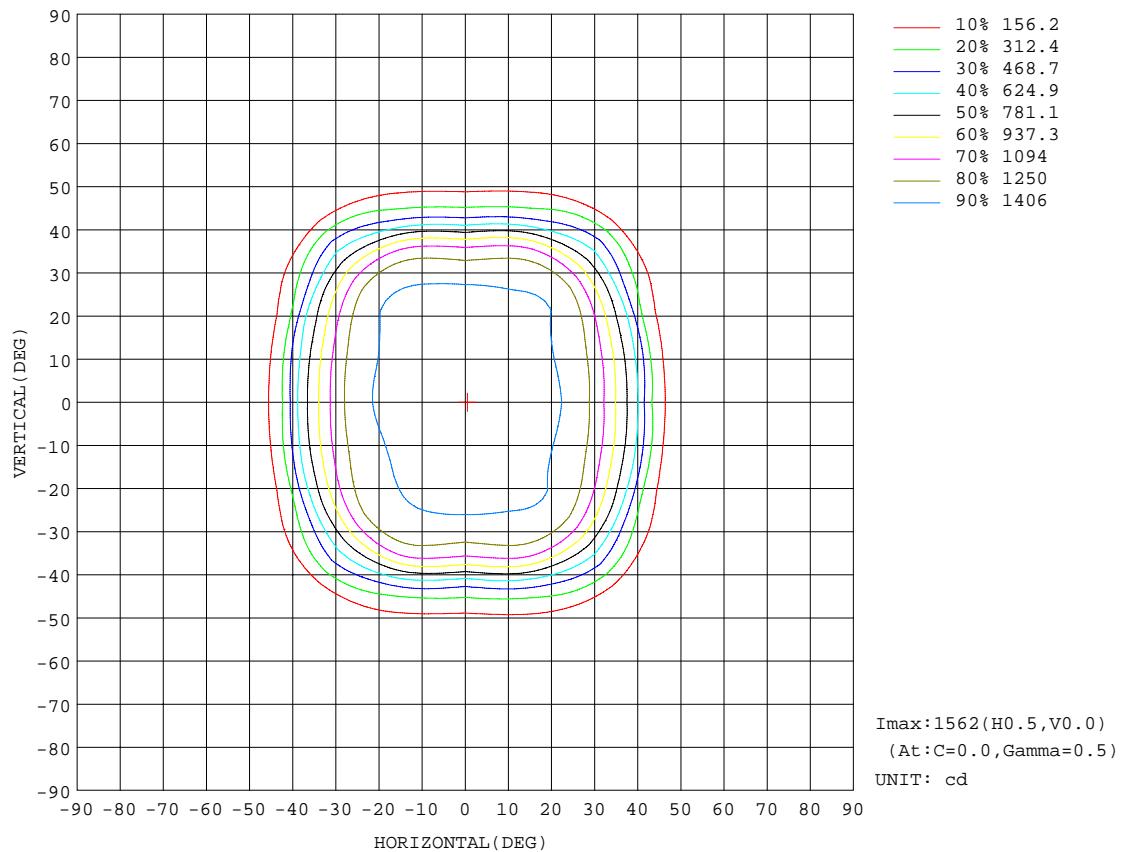
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	39	34	46	37	33	41	34	31	24
0.80	57	47	41	54	45	40	47	41	36	27
1.00	64	54	48	60	51	45	52	46	41	29
1.25	70	60	54	65	57	51	56	50	46	31
1.50	75	65	59	69	61	56	59	53	49	33
2.00	81	72	66	74	67	62	62	57	54	34
2.50	85	77	71	77	71	66	65	60	57	34
3.00	87	81	75	80	74	70	66	62	59	35
4.00	91	86	81	83	79	75	69	65	63	35
5.00	94	89	85	85	81	78	70	67	65	36
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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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

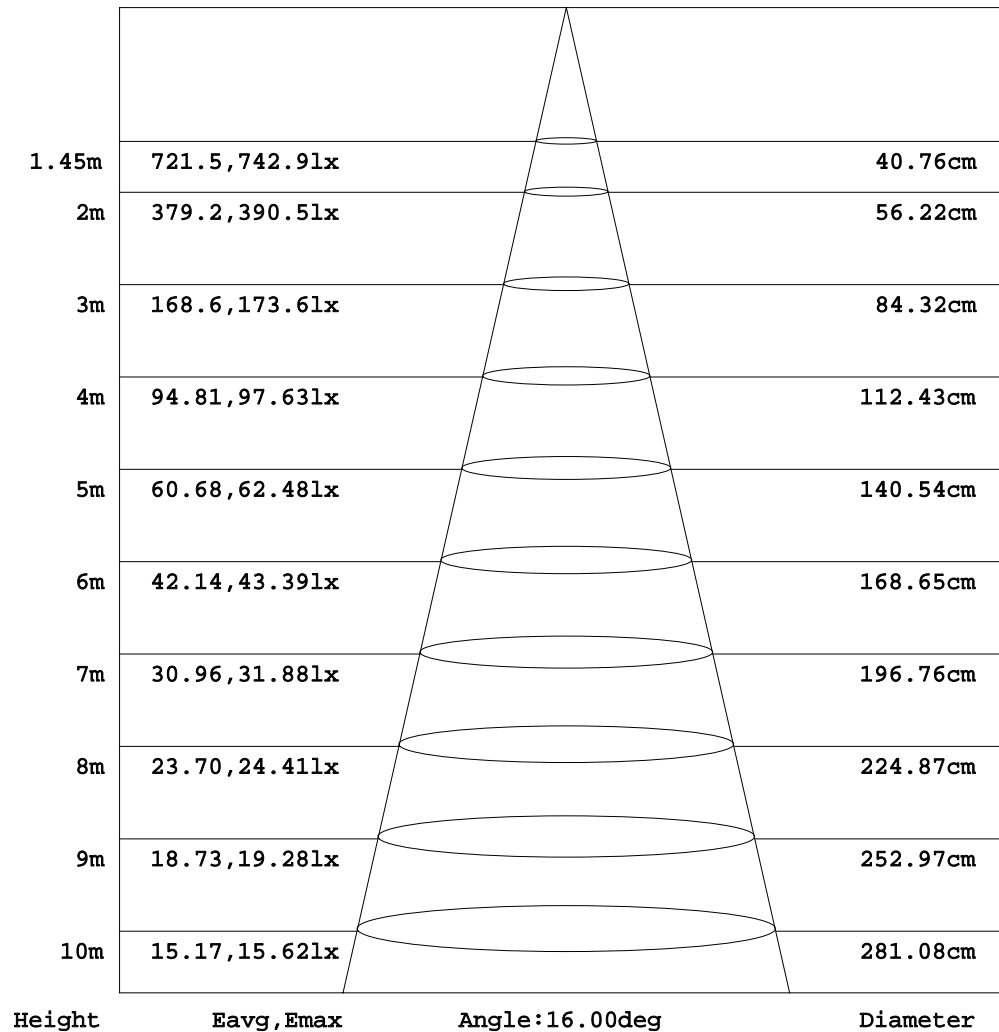
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:11.700m [K=0.8547]  
Remarks:



### AAI Figure

Test:U:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

Flux out:94.13 lm



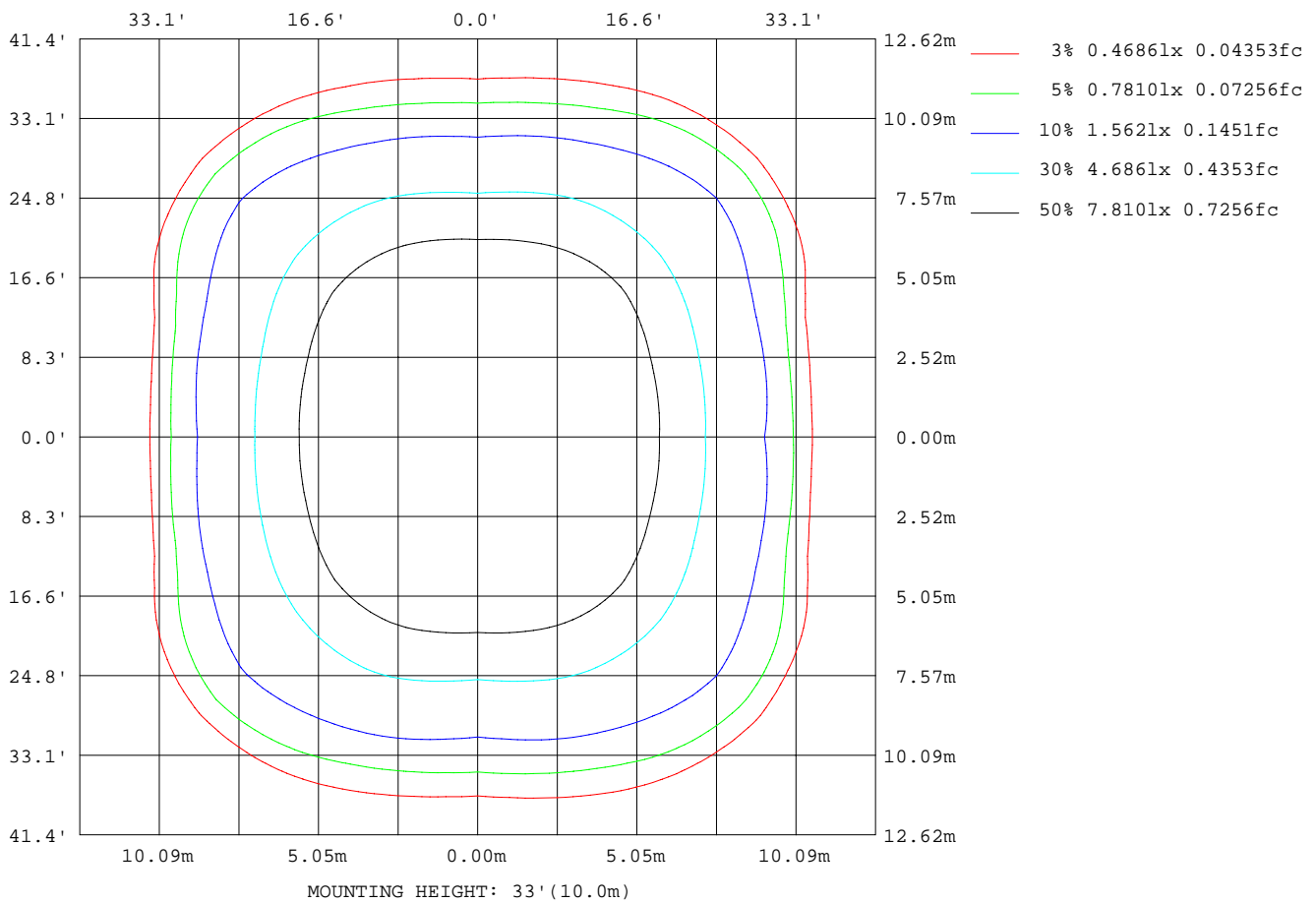
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1285*48*76	SERIAL No.:
MFR.:	SUR.:1.28*0.042	Shielding Angle:

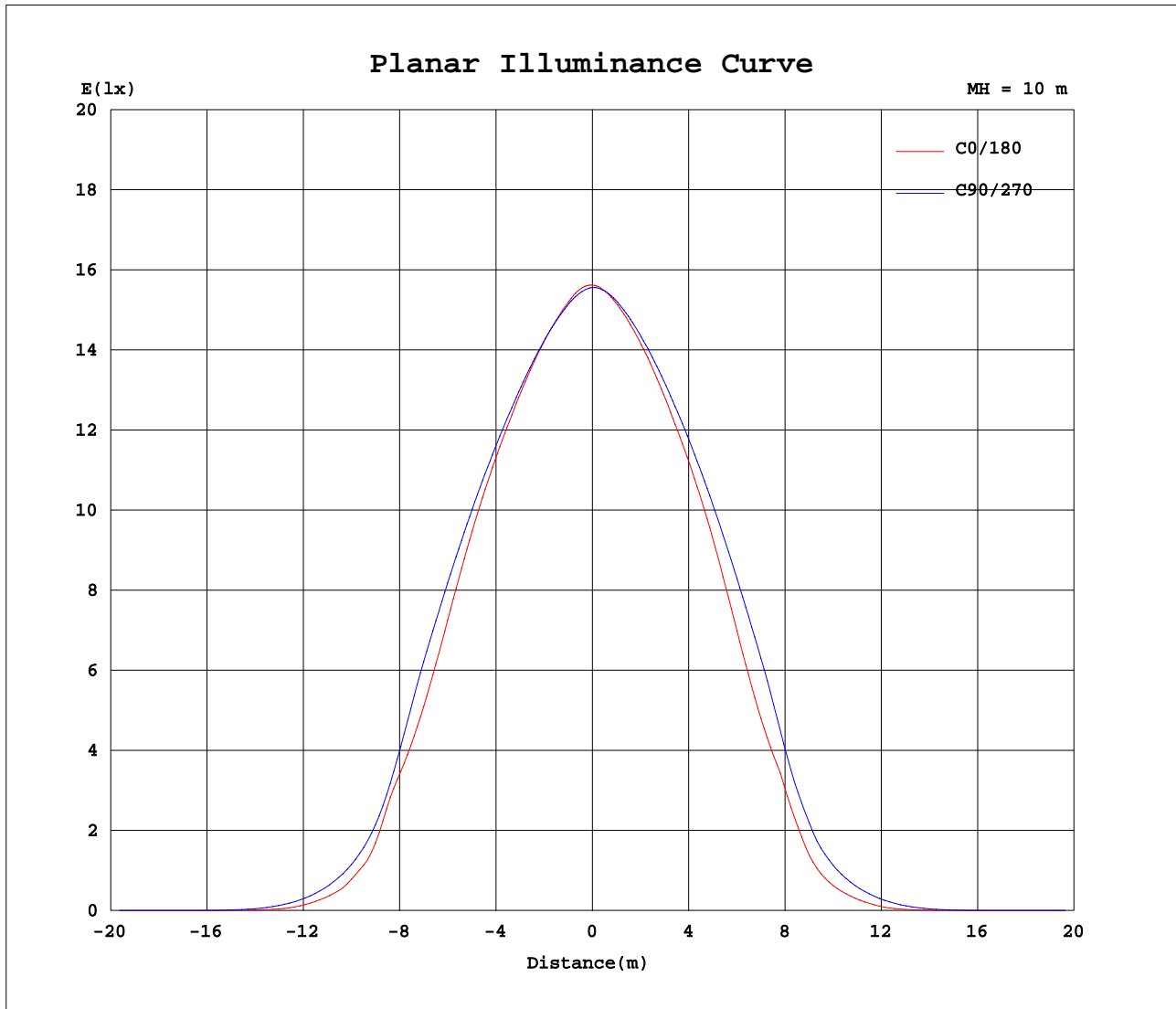
AvgL	cd/m2
L_0~180(65)av	18
L_0~180(75)av	23
L_0~180(85)av	233
L_90~270(65)av	12
L_90~270(75)av	13
L_90~270(85)av	37
L_45(65)av	61
L_45(75)av	16
L_45(85)av	174

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

$\gamma$  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: 2025-08-20

$\gamma$  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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1285*48*76						SERIAL No.:		
MFR.:									SUR.:1.28*0.042						Shielding Angle:		

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1562	1562	1561	1561	1560	1560	1560	1559	1559	1558	1558	1558	1558	1557	1557	1557	1556	1556	1556
5	1547	1546	1546	1545	1545	1544	1543	1543	1542	1542	1542	1542	1542	1541	1541	1541	1541	1541	1540
10	1516	1515	1514	1513	1511	1510	1509	1507	1506	1506	1507	1508	1510	1511	1513	1514	1515	1516	1516
15	1482	1479	1478	1476	1475	1473	1472	1472	1471	1472	1473	1475	1477	1479	1482	1485	1488	1490	1491
20	1435	1433	1432	1431	1431	1431	1433	1435	1438	1440	1442	1444	1446	1448	1451	1455	1459	1461	1463
25	1359	1359	1361	1364	1369	1377	1387	1397	1408	1416	1420	1421	1421	1421	1420	1420	1420	1420	1420
30	1199	1207	1218	1232	1250	1275	1305	1336	1364	1388	1394	1395	1391	1383	1372	1359	1346	1335	1327
35	928	940	958	983	1014	1057	1112	1167	1218	1262	1278	1283	1280	1268	1245	1213	1180	1152	1132
40	629	640	659	683	715	759	816	872	925	968	984	987	979	959	917	856	796	743	706
45	222	229	245	270	305	362	435	509	574	624	616	590	552	507	460	417	378	346	326
50	57.2	59.0	66.9	81.1	101	135	181	226	266	296	288	269	244	214	186	164	144	129	120
55	5.71	3.20	3.63	7.01	13.3	25.7	43.2	60.8	76.8	89.3	86.4	79.4	69.5	57.9	46.9	37.5	29.1	22.6	18.5
60	0.65	0.00	0.00	0.00	0.64	4.39	9.99	15.6	20.5	24.0	21.2	16.9	11.8	6.62	3.13	1.66	0.82	0.53	0.66
65	0.46	0.30	0.21	0.20	0.25	0.46	0.79	1.12	1.41	1.62	1.40	1.10	0.75	0.41	0.21	0.18	0.20	0.24	0.30
70	0.35	0.32	0.28	0.26	0.24	0.23	0.23	0.23	0.23	0.23	0.21	0.19	0.17	0.15	0.15	0.17	0.19	0.22	0.23
75	0.27	0.24	0.22	0.21	0.19	0.18	0.18	0.18	0.17	0.17	0.16	0.15	0.14	0.13	0.13	0.14	0.15	0.16	0.16
80	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12
85	0.32	0.29	0.26	0.23	0.21	0.19	0.17	0.15	0.14	0.13	0.12	0.12	0.12	0.13	0.12	0.11	0.11	0.10	0.10
90	0.77	0.74	0.71	0.68	0.65	0.63	0.61	0.59	0.57	0.54	0.47	0.40	0.33	0.26	0.18	0.11	0.07	0.07	0.12
95	80.0	92.7	105	117	129	142	158	170	178	181	165	144	120	95.2	73.6	56.8	43.0	32.8	26.8
100	367	367	369	373	379	394	415	432	440	435	380	314	243	173	122	92.8	72.7	61.3	58.1
105	649	656	659	657	650	641	630	611	583	545	474	396	316	240	182	145	118	102	96.4
110	813	825	828	823	810	788	759	721	675	621	545	465	384	308	248	204	172	151	142
115	945	945	937	923	902	874	841	800	751	695	618	538	457	380	317	269	232	208	196
120	996	987	975	958	937	914	889	858	820	773	697	616	534	454	388	338	299	272	258
125	1014	1006	996	982	966	951	935	913	884	844	771	690	608	527	460	409	369	342	328
130	1041	1037	1031	1022	1009	997	984	965	938	901	831	754	674	597	532	482	444	417	403
135	1079	1079	1075	1067	1056	1043	1027	1006	977	939	874	803	731	660	601	555	519	495	482
140	1116	1117	1114	1106	1093	1077	1057	1031	999	961	903	840	777	716	666	627	597	576	566
145	1136	1137	1133	1124	1110	1092	1068	1040	1007	969	919	867	815	765	724	693	668	651	643
150	1132	1131	1126	1116	1102	1083	1059	1032	1001	967	927	885	845	808	776	752	733	720	714
155	1102	1101	1095	1087	1074	1057	1037	1013	987	960	930	900	871	844	821	804	790	780	776
160	1056	1055	1050	1044	1034	1022	1007	989	971	952	931	911	892	874	860	848	838	832	828
165	1008	1007	1004	999	994	986	977	966	955	944	932	920	909	898	890	883	877	874	871
170	967	966	965	963	961	957	953	948	942	937	931	926	921	916	912	908	906	904	903
175	939	939	939	938	938	937	936	935	934	932	931	929	928	927	925	924	923	923	922
180	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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	1556	1556	1556	1556	1555	1555	1555	1555	1555	1555	1555	1555	1555	1556	1558	1559	1561	1562	1562
5	1540	1539	1539	1538	1538	1537	1536	1535	1535	1535	1534	1534	1535	1536	1537	1539	1541	1543	1543
10	1515	1513	1511	1509	1507	1505	1503	1501	1499	1499	1499	1500	1501	1502	1505	1508	1510	1512	1512
15	1490	1487	1483	1479	1476	1472	1469	1466	1464	1462	1461	1461	1462	1463	1466	1469	1472	1475	1475
20	1461	1458	1454	1450	1445	1441	1437	1433	1429	1425	1421	1417	1414	1414	1416	1419	1422	1425	1425
25	1420	1420	1420	1419	1417	1414	1410	1405	1398	1387	1375	1364	1353	1345	1342	1340	1340	1342	1345
30	1335	1346	1358	1369	1377	1380	1379	1373	1361	1335	1305	1273	1241	1214	1193	1177	1166	1161	1168
35	1153	1182	1214	1245	1262	1265	1258	1242	1217	1171	1118	1062	1008	962	928	900	882	874	882
40	741	791	848	904	937	942	935	918	891	851	804	753	702	651	604	565	535	518	535
45	343	372	407	446	485	520	547	562	562	511	447	376	306	252	219	196	182	177	180
50	127	139	156	176	199	223	244	259	264	235	198	157	115	84.0	65.4	52.2	44.5	42.1	44.2
55	21.7	27.2	34.6	43.0	52.7	62.7	71.2	77.0	79.1	67.3	52.4	36.0	20.0	9.56	5.40	3.43	3.18	4.20	2.91
60	0.56	0.85	1.57	2.80	5.50	9.47	13.3	16.5	18.6	15.8	11.9	7.55	3.18	0.56	0.00	0.00	0.01	0.51	0.00
65	0.26	0.23	0.22	0.23	0.34	0.54	0.74	0.92	1.05	0.94	0.77	0.59	0.40	0.30	0.29	0.31	0.34	0.38	0.37
70	0.22	0.20	0.18	0.16	0.16	0.17	0.19	0.21	0.23	0.25	0.27	0.28	0.30	0.32	0.33	0.35	0.36	0.37	0.37
75	0.16	0.15	0.15	0.14	0.14	0.15	0.16	0.17	0.19	0.21	0.24	0.26	0.29	0.31	0.34	0.36	0.37	0.38	0.37
80	0.12	0.13	0.13	0.13	0.13	0.12	0.12	0.14	0.19	0.35	0.53	0.73	0.92	1.07	1.18	1.26	1.31	1.32	1.27
85	0.07	0.06	0.08	0.14	0.33	0.63	0.96	1.31	1.65	1.92	2.15	2.34	2.46	2.46	2.34	2.18	2.01	1.86	1.88
90	0.34	0.60	0.91	1.22	1.54	1.83	2.09	2.31	2.47	2.48	2.44	2.35	2.22	2.10	1.97	1.84	1.72	1.61	1.54
95	29.3	36.2	47.0	61.4	81.8	107	132	153	169	165	155	141	124	107	91.6	78.0	67.4	61.0	68.2
100	57.3	64.8	81.4	108	157	227	299	365	420	422	411	391	366	349	342	337	334	334	336
105	97.9	110	132	165	219	291	368	444	515	557	589	613	630	638	640	638	634	630	637
110	146	161	188	227	284	357	435	514	591	648	698	741	774	795	804	807	806	802	810
115	202	221	252	296	356	431	512	592	670	726	774	816	851	879	902	918	928	933	933
120	265	286	320	366	429	508	591	674	750	796	834	864	889	913	937	957	971	979	976
125	335	356	390	437	502	582	666	748	823	862	892	914	929	946	964	979	989	995	993
130	410	430	463	507	570	647	728	806	878	916	944	964	978	991	1004	1014	1021	1024	1024
135	488	506	536	577	634	704	777	849	916	955	986	1010	1027	1041	1052	1059	1063	1065	1066
140	570	585	610	644	692	751	814	877	937	977	1011	1039	1062	1078	1091	1098	1103	1104	1105
145	646	658	677	705	743	791	842	894	944	984	1019	1049	1075	1095	1109	1118	1123	1125	1126
150	716	724	739	760	788	824	862	903	943	978	1010	1040	1066	1086	1101	1112	1118	1120	1120
155	777	782	793	807	827	852	879	908	938	965	992	1017	1039	1057	1071	1081	1087	1090	1088
160	829	832	839	848	860	876	893	912	931	951	969	987	1004	1017	1027	1035	1040	1042	1041
165	871	873	876	881	888	896	906	916	927	938	949	959	969	977	984	989	992	994	992
170	902	903	904	906	909	912	916	921	925	930	935	939	943	947	950	952	954	954	954
175	922	922	922	922	923	923	924	925	926	927	928	929	930	931	931	932	932	932	932
180	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 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	1562	1561	1560	1560	1560	1559	1559	1558	1558	1558	1558	1557	1557	1557	1556	1556	1556	1556	1556
5	1543	1543	1542	1542	1543	1543	1544	1544	1545	1545	1546	1546	1546	1547	1547	1548	1548	1548	1547
10	1512	1512	1511	1511	1511	1511	1512	1513	1514	1516	1518	1520	1522	1524	1526	1527	1528	1527	1526
15	1475	1475	1474	1474	1475	1476	1478	1480	1483	1486	1489	1493	1496	1500	1504	1506	1508	1506	1502
20	1426	1427	1428	1431	1435	1440	1446	1451	1455	1459	1463	1466	1470	1475	1479	1481	1483	1480	1475
25	1349	1355	1363	1374	1388	1402	1415	1427	1433	1437	1440	1441	1442	1442	1442	1441	1440	1438	1436
30	1182	1201	1225	1255	1291	1327	1361	1390	1400	1405	1404	1399	1390	1378	1365	1354	1345	1350	1358
35	900	927	963	1012	1073	1135	1193	1244	1265	1275	1276	1268	1249	1220	1191	1165	1147	1165	1191
40	565	605	654	712	775	836	892	938	954	957	949	930	892	840	789	745	715	749	798
45	193	217	251	310	391	471	543	599	586	555	511	461	417	382	353	332	320	334	358
50	51.7	64.6	83.1	114	156	198	235	263	256	240	217	190	167	148	133	122	116	123	135
55	2.94	4.82	9.06	20.3	37.8	55.5	71.5	83.8	79.6	71.3	60.1	47.7	37.2	29.6	23.4	19.0	16.9	20.0	25.3
60	0.00	0.00	0.42	3.36	8.26	13.2	17.5	20.6	18.0	14.2	9.70	5.09	2.11	0.97	0.43	0.36	0.66	0.49	0.68
65	0.36	0.37	0.40	0.53	0.74	0.95	1.12	1.24	1.10	0.90	0.67	0.43	0.29	0.24	0.22	0.23	0.25	0.22	0.21
70	0.38	0.37	0.37	0.35	0.32	0.30	0.27	0.25	0.24	0.25	0.25	0.26	0.25	0.24	0.22	0.21	0.20	0.21	0.23
75	0.36	0.34	0.32	0.30	0.28	0.27	0.25	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.20	0.20
80	1.18	1.07	0.94	0.80	0.66	0.52	0.39	0.28	0.24	0.22	0.22	0.23	0.23	0.22	0.21	0.20	0.19	0.20	0.21
85	1.91	1.95	1.98	1.92	1.78	1.60	1.40	1.19	0.95	0.73	0.52	0.33	0.22	0.19	0.19	0.21	0.24	0.24	0.24
90	1.50	1.45	1.42	1.38	1.34	1.29	1.23	1.15	1.02	0.89	0.75	0.62	0.53	0.48	0.44	0.42	0.42	0.41	0.42
95	79.6	93.9	110	126	142	154	163	167	153	134	112	88.9	68.9	53.2	40.5	31.3	26.4	30.0	38.1
100	341	348	358	377	405	428	441	440	384	316	242	170	117	88.3	69.2	59.3	57.7	58.0	66.8
105	645	651	653	649	637	617	588	548	474	395	313	236	178	141	115	100	96.0	98.4	111
110	815	816	811	794	765	727	680	624	546	464	382	305	244	201	169	149	142	147	165
115	928	916	898	873	841	801	754	699	621	538	456	378	313	266	230	207	196	205	226
120	966	951	930	909	887	858	821	775	699	617	533	452	385	335	297	271	259	270	294
125	986	976	961	947	933	912	884	845	771	690	606	525	458	408	370	345	334	344	369
130	1021	1015	1005	994	982	964	937	900	830	752	672	595	531	483	446	422	411	422	447
135	1065	1060	1052	1040	1025	1004	975	937	871	799	726	656	597	554	522	500	491	501	524
140	1104	1098	1089	1074	1054	1028	995	956	897	834	770	710	660	623	595	578	570	579	599
145	1123	1116	1104	1086	1062	1033	1000	961	911	858	806	757	717	688	666	651	646	653	669
150	1115	1106	1093	1075	1050	1022	991	957	917	876	837	800	770	747	730	720	716	722	734
155	1083	1074	1062	1045	1024	1001	975	948	919	890	862	837	816	800	788	781	778	783	792
160	1036	1029	1020	1007	992	975	957	939	920	901	884	868	854	844	837	832	831	834	841
165	989	985	979	971	962	952	942	932	921	911	902	893	886	880	876	874	874	876	880
170	952	950	947	944	940	936	932	928	923	919	915	911	908	906	905	904	904	906	908
175	932	931	931	930	929	928	927	927	926	925	924	923	923	922	922	922	922	923	924
180	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928

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:229.68V I:0.2126A P:47.659W PF:0.9762 Freq:49.99Hz Lamp Flux:6157.98x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1285*48*76						SERIAL No.:		
MFR.:									SUR.:1.28*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	1556	1556	1555	1555	1555	1555	1555	1555	1555	1555	1555	1556	1557	1558	1560				
5	1547	1546	1545	1545	1545	1544	1544	1543	1542	1541	1541	1541	1542	1543	1545				
10	1524	1521	1519	1517	1515	1513	1511	1510	1509	1509	1509	1509	1510	1512	1514				
15	1498	1493	1489	1486	1483	1480	1477	1475	1474	1474	1474	1474	1475	1477	1479				
20	1470	1464	1460	1456	1453	1450	1447	1443	1439	1436	1433	1432	1431	1432	1433				
25	1434	1431	1430	1430	1429	1427	1423	1414	1403	1391	1381	1372	1367	1363	1360				
30	1368	1379	1389	1397	1402	1402	1397	1372	1344	1312	1280	1255	1236	1220	1208				
35	1221	1250	1273	1286	1291	1287	1272	1226	1173	1116	1059	1014	983	958	939				
40	853	909	948	966	974	971	955	912	860	804	749	706	676	654	638				
45	389	426	472	523	568	600	615	564	496	421	344	288	255	233	222				
50	152	172	199	231	259	280	291	260	220	174	128	94.3	75.0	62.4	56.5				
55	32.4	40.6	51.2	63.1	73.6	81.4	85.1	73.0	57.4	40.2	23.1	11.1	5.30	2.45	2.59				
60	1.35	2.61	5.77	10.6	15.2	19.2	21.8	18.6	14.2	9.07	3.97	0.56	0.00	0.00	0.00				
65	0.23	0.29	0.49	0.81	1.12	1.40	1.60	1.43	1.19	0.90	0.62	0.42	0.35	0.33	0.37				
70	0.25	0.27	0.28	0.28	0.29	0.29	0.30	0.32	0.34	0.36	0.37	0.38	0.38	0.38	0.37				
75	0.21	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.28				
80	0.22	0.23	0.23	0.23	0.22	0.22	0.21	0.23	0.24	0.25	0.27	0.27	0.27	0.26	0.24				
85	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.33				
90	0.46	0.51	0.63	0.81	0.99	1.15	1.28	1.26	1.20	1.11	1.01	0.93	0.88	0.84	0.80				
95	50.2	66.1	88.1	115	142	166	185	185	179	169	155	141	128	113	97.4				
100	85.0	114	166	239	314	385	444	452	446	431	411	396	388	380	373				
105	136	172	232	312	397	481	557	598	627	647	658	666	671	669	662				
110	195	238	301	383	469	556	638	693	739	775	802	821	832	835	828				
115	261	308	374	457	543	630	712	768	815	854	885	910	929	941	947				
120	332	382	450	534	620	706	785	833	871	900	924	944	964	979	990				
125	407	457	525	608	693	777	853	894	924	945	961	975	990	1001	1009				
130	484	532	597	675	756	834	906	944	973	993	1006	1018	1030	1037	1041				
135	557	601	660	731	804	876	942	981	1012	1034	1051	1064	1074	1080	1082				
140	628	665	716	777	840	903	963	1002	1035	1062	1083	1099	1111	1118	1120				
145	693	724	765	814	867	919	970	1008	1042	1071	1095	1113	1127	1135	1138				
150	753	777	808	846	886	927	967	1001	1032	1060	1084	1103	1117	1126	1131				
155	805	823	846	872	901	930	960	987	1012	1036	1056	1073	1085	1095	1100				
160	850	862	877	894	912	932	951	970	988	1005	1020	1032	1042	1049	1054				
165	885	892	901	911	922	933	944	955	966	975	984	992	998	1002	1006				
170	911	914	918	922	927	932	937	942	947	951	956	959	962	964	966				
175	925	926	927	928	929	931	932	933	934	935	936	937	938	938	939				
180	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928				

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: