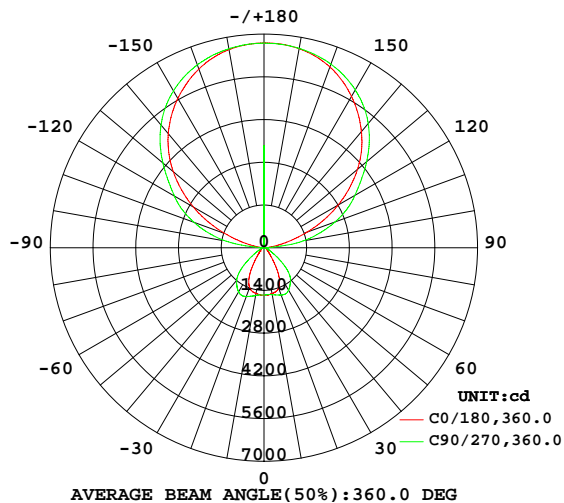


## LUMINAIRE PHOTOMETRIC TEST REPORT

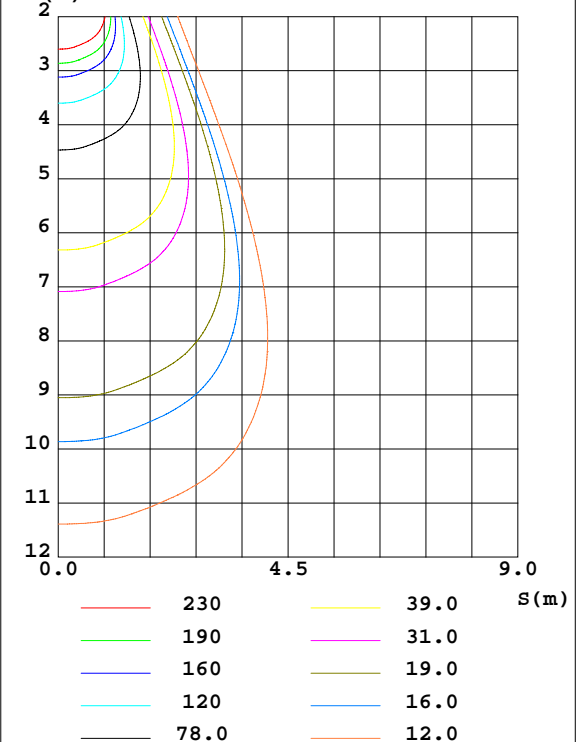
Test:U:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.16 lm/W			
MODEL		Imax(cd)	6715	S/MH(C0/180)	0.92
NOMINAL POWER(W)	160	LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	22639	$\eta$ UP,DN(C0-180)	43.7,6.4
NOMINAL FLUX(lm)	22638.7	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	43.5,6.5
LAMPS INSIDE	1	$\eta$ up(%)	87.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	12.9	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:2025-08-07

$\gamma$  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:

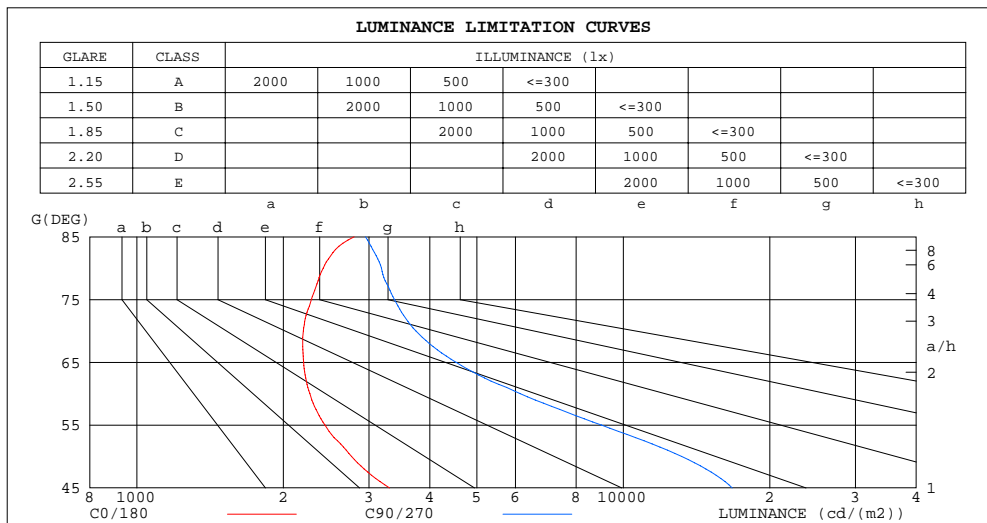
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1525	1542	1564	1535	1523	1562	1594	1561	0- 10	147.9	147.9	0.65,0.65
20	1404	1522	1651	1523	1387	1554	1702	1575	10- 20	439.7	587.6	2.6,2.6
30	894.0	1381	1611	1357	864.4	1412	1672	1431	20- 30	673.8	1261	5.57,5.57
40	332.5	837.5	1352	846.3	320.3	842.6	1398	913.1	30- 40	681.9	1943	8.58,8.58
50	170.5	318.2	813.1	329.5	167.9	310.8	805.1	344.4	40- 50	492.8	2436	10.8,10.8
60	108.8	141.8	294.8	145.3	107.6	138.7	280.3	148.0	50- 60	252.5	2689	11.9,11.9
70	72.19	83.21	123.0	83.55	71.18	82.45	120.2	85.19	60- 70	125.7	2814	12.4,12.4
80	40.28	42.81	53.07	42.41	38.26	42.12	53.04	43.49	70- 80	70.74	2885	12.7,12.7
90	6.143	5.000	4.699	4.321	2.990	4.691	4.699	5.249	80- 90	26.03	2911	12.9,12.9
100	401.4	882.0	1302	823.1	319.5	788.4	1262	908.7	90-100	362.7	3274	14.5,14.5
110	1503	1917	2480	1874	1355	1816	2442	1961	100-110	1436	4710	20.8,20.8
120	2807	3007	3443	2940	2675	2854	3392	3015	110-120	2437	7147	31.6,31.6
130	4002	4156	4394	4090	3881	3999	4324	4132	120-130	3193	10340	45.7,45.7
140	4967	5134	5316	5071	4881	4978	5251	5112	130-140	3573	13913	61.5,61.5
150	5735	5880	5978	5822	5653	5759	5935	5866	140-150	3434	17347	76.6,76.6
160	6308	6376	6407	6333	6238	6301	6382	6361	150-160	2818	20165	89.1,89.1
170	6626	6639	6636	6616	6595	6607	6623	6627	160-170	1838	22002	97.2,97.2
180	6713	6713	6713	6713	6713	6713	6713	6713	170-180	636.3	22639	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:2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2795	2950
80	2416	3184
75	2283	3385
70	2199	3746
65	2202	4531
60	2268	6141
55	2435	9013
50	2763	13177
45	3307	16747

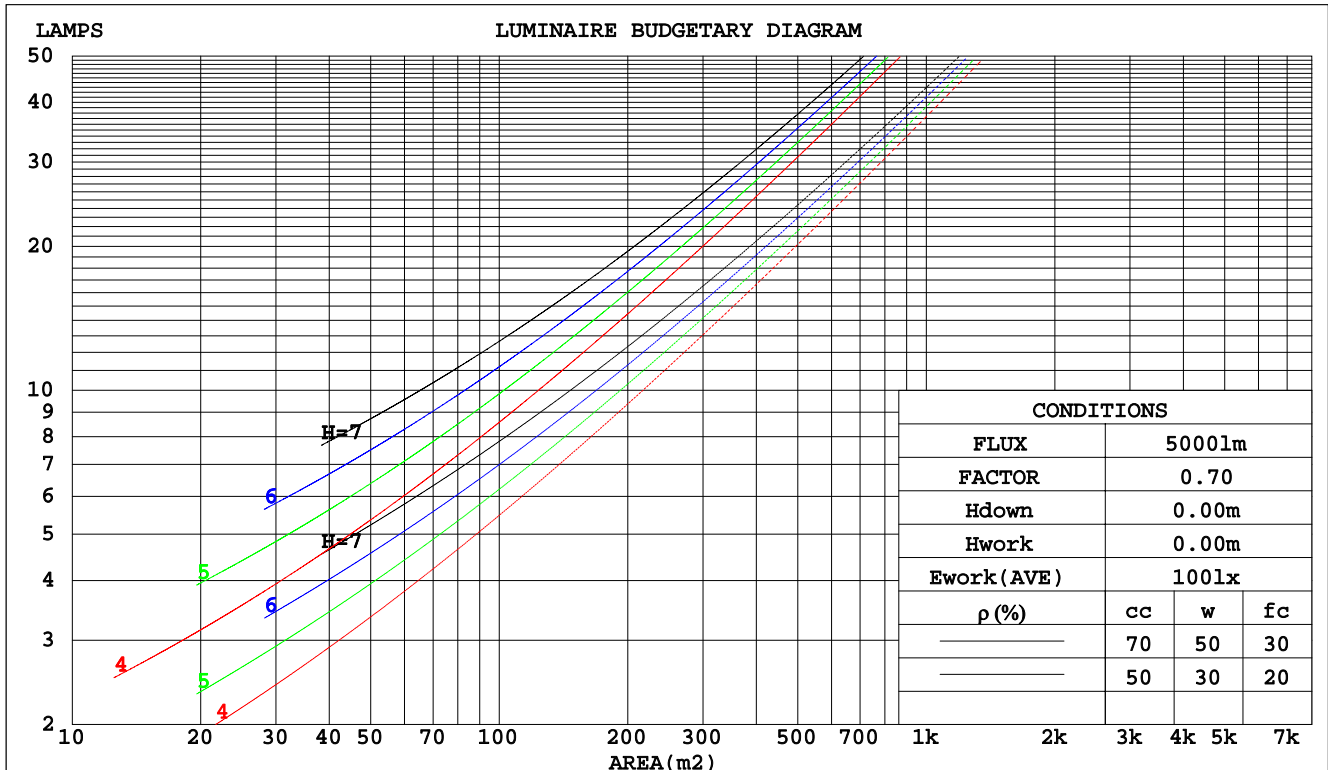
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	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	.98	.98	.98	.86	.86	.86	.63	.63	.63	.41	.41	.41	.22	.22	.22	.13
1.0	.86	.82	.79	.75	.72	.70	.55	.53	.52	.37	.36	.35	.20	.19	.19	.11
2.0	.75	.70	.65	.66	.61	.58	.49	.46	.43	.33	.31	.30	.18	.17	.17	.10
3.0	.66	.60	.54	.58	.53	.48	.43	.40	.37	.29	.27	.25	.16	.15	.14	.09
4.0	.59	.52	.46	.52	.46	.41	.38	.34	.31	.26	.24	.22	.15	.14	.13	.08
5.0	.52	.45	.39	.46	.40	.35	.34	.30	.27	.23	.21	.19	.13	.12	.11	.07
6.0	.47	.39	.34	.41	.35	.30	.31	.27	.24	.21	.19	.17	.12	.11	.10	.06
7.0	.42	.35	.30	.37	.31	.27	.28	.24	.21	.19	.17	.15	.11	.10	.09	.06
8.0	.38	.31	.26	.34	.28	.23	.25	.21	.18	.18	.15	.13	.10	.09	.08	.05
9.0	.35	.28	.23	.31	.25	.21	.23	.19	.16	.16	.14	.12	.09	.08	.07	.05
10.0	.32	.25	.20	.28	.22	.18	.21	.17	.14	.15	.12	.11	.09	.07	.07	.04



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1282*160*28			SERIAL No.:		
MFR.:			SUR.:0.8*0.12			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	.255	.145	.046	.222	.127	.040	.160	.092	.029	.102	.059	.019	.050	.029	.009	
2.0	.236	.129	.040	.205	.113	.035	.148	.082	.026	.096	.054	.017	.047	.027	.008	
3.0	.218	.116	.035	.190	.102	.031	.138	.075	.023	.089	.049	.015	.045	.025	.008	
4.0	.202	.105	.031	.177	.093	.027	.129	.068	.020	.084	.045	.014	.042	.023	.007	
5.0	.189	.096	.028	.165	.085	.025	.120	.063	.018	.078	.041	.012	.040	.021	.006	
6.0	.176	.088	.025	.154	.078	.022	.113	.058	.017	.074	.038	.011	.037	.020	.006	
7.0	.165	.081	.023	.144	.072	.020	.106	.053	.015	.069	.036	.010	.035	.018	.005	
8.0	.155	.076	.021	.136	.067	.019	.099	.050	.014	.065	.033	.010	.034	.017	.005	
9.0	.145	.070	.020	.128	.062	.017	.094	.046	.013	.062	.031	.009	.032	.016	.005	
10.0	.137	.066	.018	.121	.058	.016	.089	.043	.012	.059	.029	.008	.030	.015	.004	

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	.854	.854	.854	.730	.730	.730	.498	.498	.498	.286	.286	.286	.092	.092	.092		
1.0	.846	.826	.808	.724	.709	.696	.495	.488	.481	.285	.282	.280	.091	.091	.090		
2.0	.839	.806	.779	.718	.694	.673	.492	.480	.470	.284	.279	.275	.091	.090	.090		
3.0	.832	.791	.759	.713	.683	.658	.490	.474	.462	.283	.277	.272	.091	.090	.089		
4.0	.826	.780	.746	.709	.674	.648	.487	.470	.456	.282	.275	.270	.091	.090	.089		
5.0	.820	.772	.736	.704	.668	.641	.485	.467	.452	.281	.274	.268	.091	.089	.088		
6.0	.814	.765	.730	.700	.663	.635	.483	.464	.449	.280	.273	.267	.090	.089	.088		
7.0	.809	.759	.724	.696	.658	.631	.481	.461	.447	.279	.272	.266	.090	.089	.088		
8.0	.804	.755	.721	.692	.655	.628	.479	.460	.446	.279	.271	.266	.090	.089	.088		
9.0	.799	.751	.718	.689	.651	.626	.477	.458	.444	.278	.270	.265	.090	.089	.088		
10.0	.795	.747	.715	.685	.649	.624	.475	.457	.444	.277	.270	.265	.090	.089	.088		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1282*160*28			SERIAL No.:				
MFR.:			SUR.:0.8*0.12			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	5.5	6.2	6.7	7.3	9.0	11.9	12.5	13.0	13.7	15.3
3H	6.0	6.6	7.2	7.8	9.5	11.9	12.5	13.1	13.7	15.4
4H	6.3	6.9	7.6	8.1	9.7	11.9	12.5	13.2	13.7	15.3
6H	6.7	7.2	7.9	8.3	10.0	11.9	12.4	13.2	13.6	15.3
8H	6.8	7.3	8.0	8.5	10.2	11.9	12.4	13.1	13.6	15.3
12H	6.9	7.4	8.1	8.6	10.3	11.9	12.3	13.1	13.5	15.2
4H 2H	5.8	6.3	7.0	7.5	9.2	11.4	11.9	12.6	13.1	14.8
3H	6.5	6.9	7.7	8.1	9.8	11.6	12.0	12.8	13.2	14.9
4H	6.9	7.3	8.1	8.5	10.2	11.7	12.1	12.9	13.3	15.0
6H	7.3	7.7	8.6	8.9	10.6	11.7	12.1	13.0	13.3	15.0
8H	7.5	7.8	8.8	9.0	10.8	11.8	12.1	13.0	13.3	15.0
12H	7.7	8.0	8.9	9.2	10.9	11.8	12.1	13.0	13.3	15.0
8H 4H	7.0	7.3	8.2	8.5	10.3	11.4	11.8	12.7	13.0	14.7
6H	7.6	7.8	8.8	9.1	10.8	11.6	11.9	12.9	13.1	14.8
8H	7.9	8.1	9.1	9.3	11.1	11.7	11.9	13.0	13.2	14.9
12H	8.2	8.4	9.4	9.6	11.4	11.8	12.0	13.0	13.2	15.0
12H 4H	7.0	7.3	8.2	8.5	10.2	11.3	11.6	12.6	12.9	14.6
6H	7.6	7.8	8.9	9.1	10.8	11.5	11.8	12.8	13.0	14.8
8H	8.0	8.1	9.2	9.4	11.2	11.6	11.8	12.9	13.1	14.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.7					+ 0.8 / - 1.0				
1.5H	+ 0.9 / - 0.7					+ 1.3 / - 2.3				
2.0H	+ 0.5 / - 0.4					+ 3.1 / - 3.0				

CIE Pub.117, 22639 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 10.8$ )

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

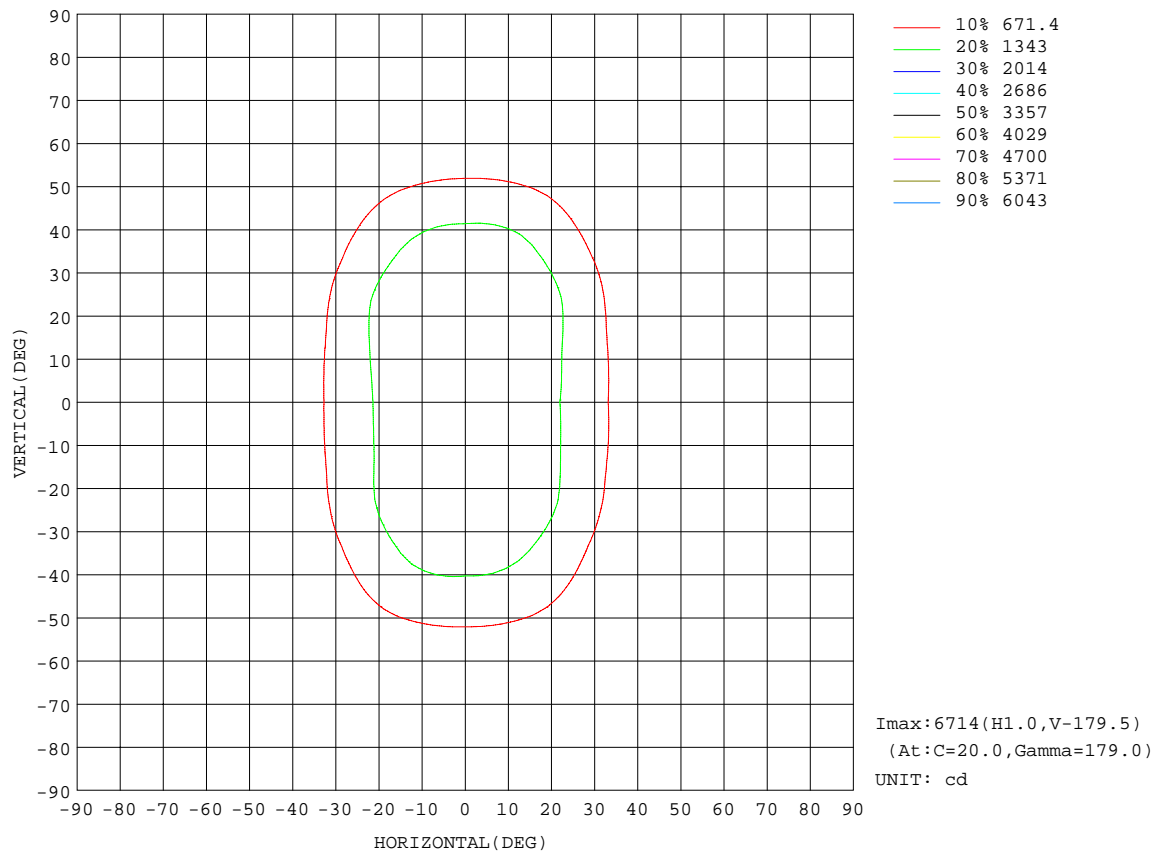
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	35	25	20	32	23	18	25	18	15	6
0.80	44	33	27	39	30	24	30	24	20	8
1.00	51	40	33	46	36	30	35	28	24	9
1.25	58	47	40	51	42	36	39	33	28	9
1.50	63	53	45	56	47	41	42	36	32	10
2.00	70	61	54	62	54	48	46	41	37	11
2.50	75	66	59	66	59	53	49	44	40	11
3.00	79	71	64	69	62	57	51	47	43	11
4.00	83	76	71	73	67	63	54	50	47	12
5.00	86	80	75	75	70	66	55	52	50	12
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:2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



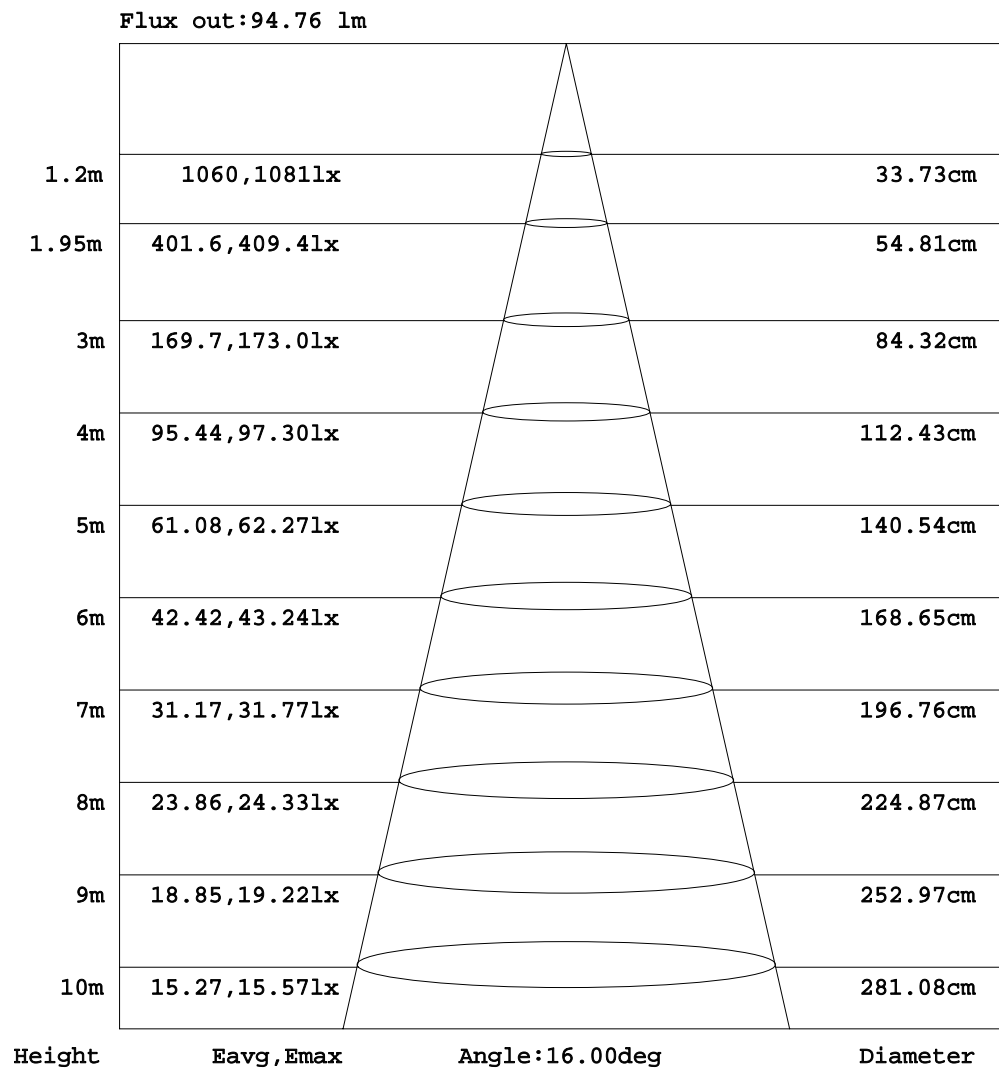
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



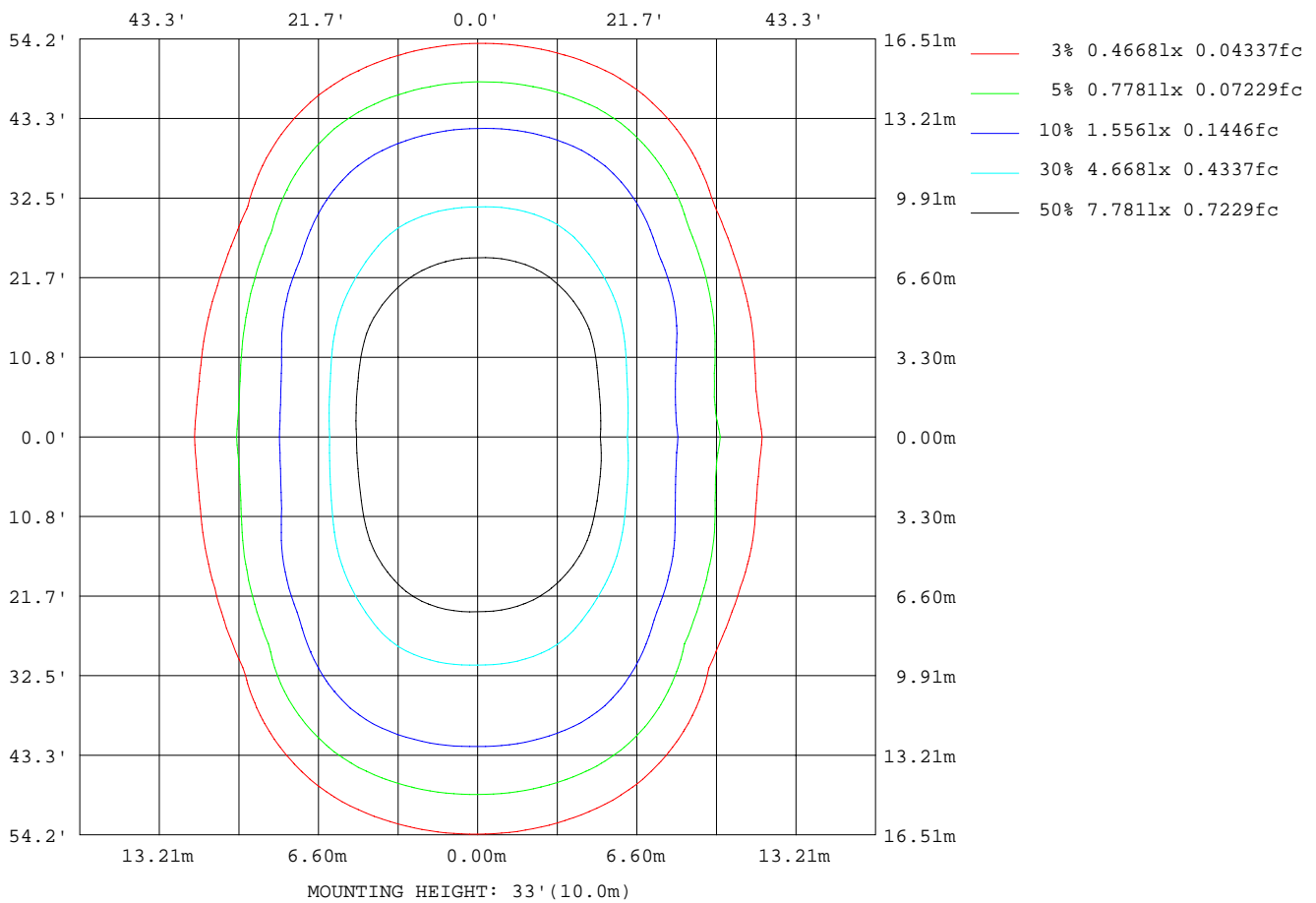
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

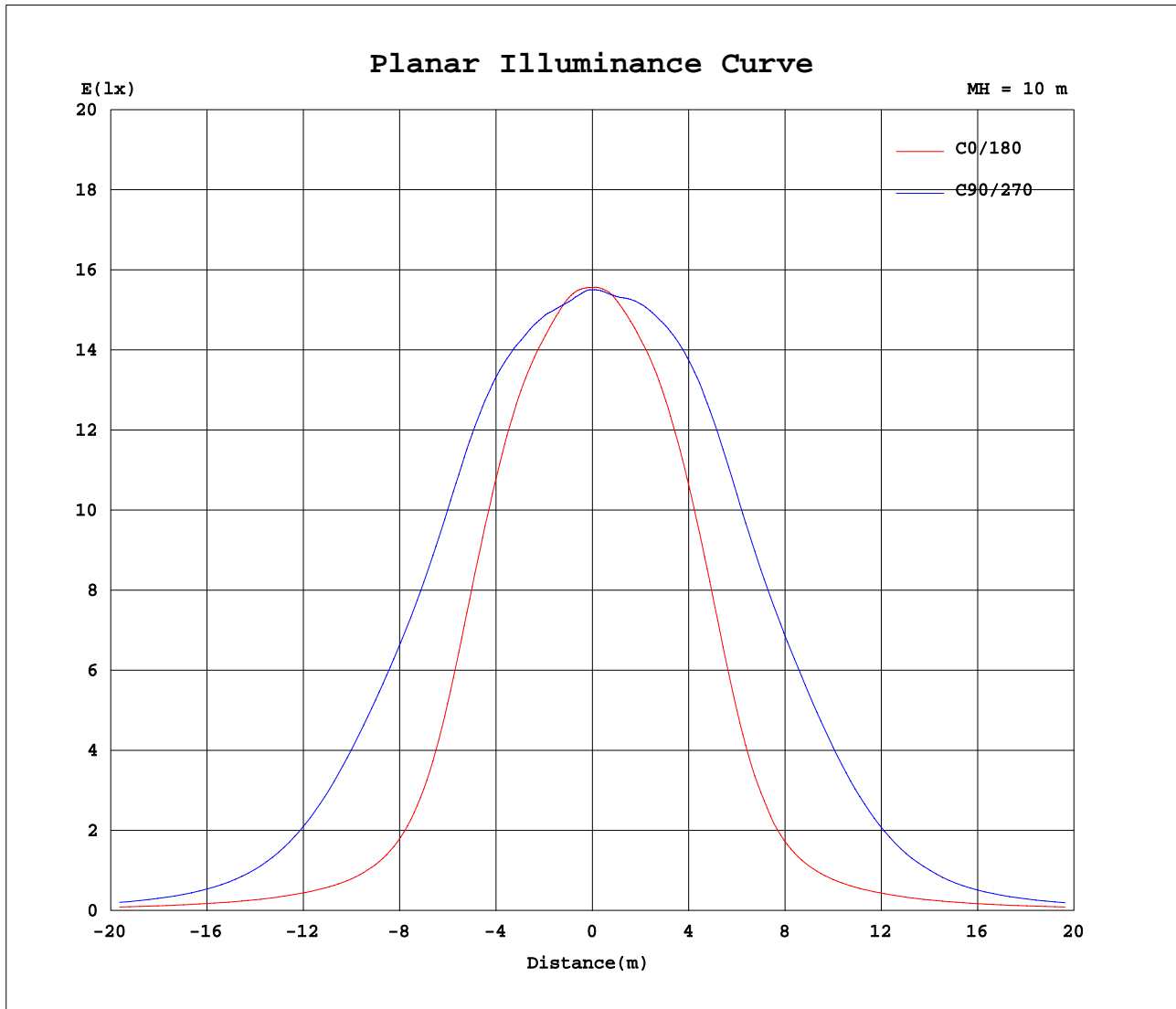
AvgL	cd/m2
L_0~180(65)av	2191
L_0~180(75)av	2254
L_0~180(85)av	2631
L_90~270(65)av	4444
L_90~270(75)av	3372
L_90~270(85)av	2985
L_45(65)av	2673
L_45(75)av	2522
L_45(85)av	2728

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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: 2025-08-07

$\gamma$  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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1282*160*28					SERIAL No.:				
MFR.:									SUR.:0.8*0.12					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	1556	1556	1556	1556	1555	1555	1555	1554	1554	1553	1553	1552	1551	1551	1551	1550	1550	1550	1550
5	1554	1554	1554	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1545	1544	1543	1543	1542	1542
10	1525	1525	1525	1526	1527	1529	1532	1535	1539	1542	1547	1551	1555	1558	1561	1563	1564	1564	1564
15	1491	1490	1492	1494	1498	1505	1513	1522	1532	1543	1554	1565	1575	1585	1592	1597	1601	1603	1603
20	1404	1405	1410	1418	1428	1442	1460	1479	1500	1522	1544	1565	1586	1604	1620	1632	1642	1648	1651
25	1211	1227	1247	1270	1296	1328	1365	1404	1443	1482	1519	1553	1584	1612	1634	1649	1660	1667	1669
30	894	918	950	989	1036	1095	1165	1238	1311	1381	1437	1487	1529	1565	1589	1603	1610	1613	1611
35	552	566	593	633	687	762	855	954	1055	1154	1234	1306	1368	1420	1457	1477	1489	1493	1491
40	333	327	336	362	402	464	544	635	734	838	945	1050	1147	1233	1293	1327	1346	1354	1352
45	224	218	221	234	258	292	335	389	454	532	649	771	890	1000	1074	1112	1133	1140	1137
50	170	168	170	176	188	201	216	239	273	318	407	503	599	690	753	786	805	814	813
55	134	134	135	138	144	148	153	162	176	198	247	301	356	409	448	471	486	494	496
60	109	109	109	111	114	116	119	123	131	142	165	190	217	242	262	276	286	292	295
65	89.3	89.3	89.7	90.7	92.2	93.7	95.4	98.1	102	108	118	130	143	155	165	172	178	182	184
70	72.2	72.3	72.7	73.3	74.2	75.2	76.4	78.0	80.2	83.2	88.6	94.5	101	107	112	116	119	122	123
75	56.7	56.6	56.6	56.9	57.3	57.9	58.6	59.6	60.9	62.6	65.5	68.7	71.9	75.1	77.9	80.2	82.0	83.4	84.1
80	40.3	40.1	40.1	40.1	40.3	40.5	40.8	41.2	41.9	42.8	44.5	46.4	48.3	50.1	51.4	52.2	52.7	53.0	53.1
85	23.4	23.3	23.2	23.1	23.0	22.9	22.9	22.9	22.9	23.1	23.6	24.1	24.7	25.2	25.4	25.3	25.1	24.9	24.7
90	6.14	6.10	6.03	5.94	5.83	5.69	5.51	5.33	5.15	5.00	4.94	4.91	4.90	4.89	4.86	4.82	4.77	4.73	4.70
95	126	155	184	215	246	283	324	361	393	415	409	394	374	350	331	319	307	298	291
100	401	437	477	521	570	626	689	753	818	882	937	988	1038	1085	1138	1196	1245	1282	1302
105	881	901	931	970	1019	1082	1158	1239	1322	1403	1468	1529	1587	1642	1705	1773	1831	1876	1901
110	1503	1509	1525	1551	1587	1636	1698	1767	1840	1917	1991	2065	2138	2208	2280	2351	2411	2456	2480
115	2169	2174	2185	2202	2224	2252	2285	2324	2369	2421	2488	2560	2634	2709	2785	2861	2925	2974	3002
120	2807	2809	2816	2828	2845	2869	2898	2931	2967	3007	3048	3091	3137	3184	3242	3308	3367	3414	3443
125	3420	3423	3431	3443	3458	3480	3507	3536	3567	3599	3628	3656	3685	3716	3755	3800	3842	3874	3893
130	4002	4006	4013	4024	4038	4056	4078	4102	4128	4156	4184	4213	4241	4270	4301	4334	4363	4383	4394
135	4518	4521	4527	4537	4550	4568	4589	4614	4641	4669	4699	4730	4760	4789	4816	4841	4861	4874	4879
140	4967	4969	4975	4985	4999	5019	5044	5073	5103	5134	5163	5191	5219	5244	5267	5287	5303	5313	5316
145	5371	5372	5378	5388	5403	5425	5453	5483	5515	5546	5571	5594	5615	5633	5649	5664	5674	5680	5681
150	5735	5738	5744	5754	5767	5785	5807	5831	5856	5880	5900	5919	5935	5949	5961	5970	5976	5979	5978
155	6050	6054	6060	6068	6079	6092	6109	6126	6144	6160	6173	6183	6193	6201	6208	6214	6218	6220	6219
160	6308	6312	6317	6322	6329	6337	6347	6357	6367	6376	6383	6388	6393	6397	6400	6404	6407	6408	6407
165	6500	6503	6506	6510	6513	6517	6521	6526	6530	6533	6536	6539	6540	6542	6543	6544	6545	6545	6543
170	6626	6628	6630	6632	6634	6635	6637	6638	6639	6639	6639	6639	6639	6638	6637	6637	6637	6637	6636
175	6695	6697	6698	6699	6700	6700	6700	6699	6699	6698	6697	6696	6695	6693	6692	6692	6691	6690	6689
180	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	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	1550	1550	1551	1551	1551	1551	1551	1552	1552	1553	1553	1554	1554	1555	1555	1556	1556	1556	1556
5	1542	1542	1542	1542	1542	1542	1542	1542	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1551
10	1563	1562	1559	1557	1553	1549	1545	1540	1535	1530	1526	1522	1519	1517	1517	1519	1520	1523	1524
15	1602	1599	1594	1588	1579	1568	1557	1545	1533	1521	1510	1499	1491	1485	1482	1482	1482	1485	1486
20	1649	1643	1634	1622	1606	1588	1567	1546	1523	1499	1476	1454	1433	1416	1403	1394	1388	1387	1391
25	1669	1665	1656	1642	1619	1589	1554	1516	1474	1425	1377	1330	1286	1250	1222	1202	1190	1187	1200
30	1617	1619	1614	1601	1574	1532	1481	1423	1357	1278	1197	1117	1043	980	932	896	873	864	880
35	1499	1501	1494	1475	1437	1377	1306	1225	1136	1032	926	823	728	653	602	565	543	536	543
40	1361	1359	1346	1317	1257	1169	1068	959	846	737	633	536	451	389	352	330	320	320	320
45	1146	1143	1127	1093	1020	910	790	666	546	464	393	334	287	253	232	221	217	220	218
50	820	817	803	774	712	620	521	422	330	280	243	217	198	185	175	169	167	168	167
55	497	491	477	456	418	366	311	256	206	182	165	154	147	142	137	134	132	132	132
60	294	289	281	269	249	223	196	170	145	133	124	119	115	112	110	108	108	108	107
65	183	181	177	170	161	148	134	121	109	103	98.2	95.0	92.9	91.2	89.7	88.9	88.4	88.4	88.2
70	123	121	119	115	110	103	96.5	89.8	83.5	80.1	77.6	75.7	74.4	73.3	72.3	71.6	71.3	71.2	71.2
75	83.8	82.9	81.4	79.3	76.5	73.0	69.4	65.8	62.5	60.5	59.0	57.8	57.0	56.4	55.8	55.5	55.3	55.3	55.1
80	53.1	52.9	52.5	51.8	50.4	48.5	46.4	44.3	42.4	41.4	40.6	40.1	39.7	39.3	38.9	38.6	38.4	38.3	38.1
85	24.8	25.0	25.1	25.1	24.9	24.3	23.7	23.1	22.5	22.3	22.2	22.1	22.0	21.8	21.5	21.1	20.9	20.6	20.7
90	4.73	4.76	4.79	4.80	4.76	4.65	4.54	4.42	4.32	4.36	4.40	4.42	4.40	4.22	3.89	3.54	3.23	2.99	3.09
95	288	287	287	290	297	308	317	323	324	305	281	252	222	190	158	130	109	94.9	106
100	1273	1227	1170	1104	1044	990	936	880	823	762	700	638	577	513	448	391	347	320	338
105	1870	1819	1754	1680	1611	1549	1484	1417	1346	1264	1179	1097	1018	944	878	824	783	759	770
110	2451	2401	2337	2261	2185	2111	2034	1955	1874	1788	1703	1623	1548	1486	1436	1397	1370	1355	1357
115	2974	2924	2858	2779	2698	2617	2534	2452	2374	2308	2248	2195	2148	2107	2074	2048	2030	2020	2018
120	3413	3366	3304	3235	3169	3110	3052	2995	2940	2889	2842	2799	2762	2732	2709	2692	2681	2675	2674
125	3869	3832	3786	3735	3688	3648	3609	3570	3531	3488	3447	3408	3373	3344	3324	3308	3297	3292	3292
130	4375	4347	4311	4270	4232	4197	4161	4126	4090	4053	4018	3984	3954	3929	3910	3896	3886	3881	3881
135	4865	4842	4814	4781	4747	4713	4678	4642	4606	4569	4533	4501	4471	4449	4435	4424	4418	4416	4417
140	5304	5286	5262	5234	5204	5173	5140	5106	5071	5033	4996	4962	4931	4908	4895	4886	4882	4881	4881
145	5672	5659	5641	5619	5596	5570	5542	5513	5481	5444	5406	5371	5339	5315	5302	5293	5289	5288	5289
150	5972	5963	5950	5935	5916	5896	5873	5849	5822	5790	5758	5727	5699	5679	5666	5658	5654	5653	5654
155	6215	6209	6200	6189	6176	6161	6145	6127	6107	6082	6057	6033	6011	5993	5981	5972	5966	5963	5965
160	6404	6398	6391	6383	6374	6365	6356	6345	6333	6317	6301	6284	6270	6258	6249	6243	6239	6238	6239
165	6540	6536	6532	6527	6522	6518	6513	6507	6501	6492	6483	6474	6466	6459	6454	6451	6448	6448	6449
170	6635	6632	6630	6627	6625	6623	6621	6619	6616	6612	6608	6605	6601	6598	6596	6595	6595	6595	6596
175	6688	6687	6686	6686	6685	6684	6684	6684	6683	6682	6681	6680	6679	6679	6679	6679	6679	6679	6681
180	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1282*160*28					SERIAL No.:				
MFR.:									SUR.:0.8*0.12					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	1556	1556	1555	1555	1555	1554	1554	1553	1553	1552	1551	1551	1551	1550	1550	1550	1550	1550	1550
5	1551	1551	1550	1550	1551	1552	1552	1553	1553	1553	1554	1554	1554	1554	1554	1554	1554	1554	1554
10	1525	1527	1530	1534	1540	1547	1555	1562	1569	1575	1581	1586	1590	1593	1594	1594	1594	1593	1592
15	1490	1495	1501	1511	1524	1538	1553	1569	1583	1597	1610	1622	1631	1637	1641	1644	1645	1645	1643
20	1400	1413	1429	1449	1473	1499	1526	1554	1581	1607	1631	1652	1670	1683	1693	1699	1702	1701	1696
25	1221	1249	1284	1325	1371	1419	1467	1515	1557	1596	1631	1661	1685	1703	1715	1722	1725	1726	1722
30	910	953	1008	1078	1159	1245	1331	1412	1474	1527	1573	1610	1637	1655	1665	1671	1672	1677	1678
35	566	603	657	736	839	949	1062	1172	1258	1335	1402	1458	1498	1523	1539	1547	1548	1555	1556
40	330	353	389	450	535	630	734	843	955	1064	1167	1258	1323	1361	1385	1396	1398	1408	1407
45	222	234	254	286	330	385	452	531	646	766	885	994	1071	1113	1139	1151	1153	1164	1163
50	169	174	183	195	210	234	267	311	394	484	575	662	724	761	786	800	805	814	814
55	133	135	139	144	149	158	172	194	238	287	337	386	424	449	467	480	485	486	481
60	108	109	111	113	116	121	128	139	159	182	205	228	246	259	269	276	280	281	278
65	88.5	89.1	90.3	91.8	93.8	96.7	101	106	116	126	137	148	157	164	170	174	177	177	175
70	71.4	71.9	72.7	73.8	75.1	77.0	79.4	82.4	87.5	93.0	98.6	104	109	113	116	119	120	120	119
75	55.1	55.3	55.6	56.3	57.2	58.5	60.0	62.0	64.8	67.8	71.0	74.0	76.8	79.1	81.1	82.5	83.4	83.3	82.5
80	38.1	38.2	38.4	38.8	39.3	40.1	41.0	42.1	43.8	45.7	47.6	49.3	50.7	51.6	52.3	52.8	53.0	53.2	53.1
85	20.8	21.0	21.2	21.4	21.5	21.7	21.9	22.2	22.7	23.3	23.8	24.4	24.8	25.0	25.1	25.2	25.3	25.5	25.6
90	3.27	3.51	3.78	4.01	4.19	4.35	4.52	4.69	4.94	5.18	5.38	5.52	5.50	5.31	5.09	4.88	4.70	4.79	4.92
95	125	150	179	208	237	263	285	300	292	279	263	248	242	248	256	266	278	283	289
100	373	422	480	539	598	659	723	788	858	926	993	1056	1114	1166	1208	1241	1262	1259	1244
105	797	840	896	963	1040	1123	1210	1299	1384	1467	1546	1621	1692	1756	1810	1851	1877	1871	1849
110	1372	1400	1441	1496	1565	1643	1727	1816	1910	2004	2095	2181	2258	2324	2378	2418	2442	2436	2413
115	2025	2041	2064	2096	2135	2183	2240	2307	2398	2494	2591	2685	2768	2837	2892	2934	2958	2951	2927
120	2678	2687	2702	2720	2743	2773	2809	2854	2919	2990	3063	3136	3206	3269	3322	3365	3392	3386	3366
125	3296	3305	3318	3334	3354	3378	3407	3441	3488	3539	3591	3643	3693	3738	3777	3809	3831	3834	3827
130	3886	3894	3906	3919	3933	3950	3972	3999	4042	4088	4135	4182	4223	4256	4285	4308	4324	4333	4335
135	4421	4428	4437	4446	4456	4470	4488	4512	4555	4602	4650	4697	4735	4762	4784	4801	4814	4824	4830
140	4884	4889	4897	4907	4918	4933	4953	4978	5021	5067	5114	5159	5193	5214	5231	5243	5251	5262	5269
145	5293	5300	5309	5321	5334	5351	5372	5396	5436	5477	5519	5558	5586	5603	5615	5623	5628	5638	5646
150	5658	5665	5674	5686	5700	5717	5737	5759	5789	5820	5850	5879	5900	5913	5923	5931	5935	5942	5947
155	5970	5977	5987	5998	6011	6026	6042	6060	6081	6103	6125	6145	6160	6170	6178	6184	6188	6193	6196
160	6242	6247	6254	6262	6270	6280	6290	6301	6314	6328	6341	6353	6363	6369	6375	6379	6382	6385	6388
165	6452	6456	6460	6464	6468	6472	6476	6482	6488	6496	6503	6509	6515	6519	6522	6524	6526	6529	6531
170	6597	6599	6601	6603	6604	6605	6606	6607	6610	6612	6615	6618	6619	6621	6621	6622	6623	6625	6627
175	6682	6683	6684	6685	6685	6684	6683	6683	6682	6682	6681	6681	6681	6682	6683	6683	6684	6685	6686
180	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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:229.57V I:0.6793A P:152.80W PF:0.9798 Freq:49.99Hz Lamp Flux:22638.7x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1282*160*28						SERIAL No.:		
MFR.:									SUR.:0.8*0.12						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	1551	1551	1551	1551	1551	1552	1552	1553	1553	1554	1554	1555	1555	1556	1556				
5	1553	1553	1553	1553	1553	1553	1553	1553	1553	1554	1554	1554	1554	1554	1554				
10	1590	1587	1583	1578	1573	1567	1561	1555	1548	1542	1536	1532	1529	1527	1526				
15	1639	1634	1625	1613	1600	1586	1571	1557	1543	1530	1518	1509	1502	1496	1493				
20	1687	1676	1661	1642	1621	1599	1575	1548	1522	1497	1473	1452	1436	1422	1412				
25	1714	1700	1678	1649	1617	1579	1537	1487	1436	1385	1337	1298	1267	1243	1224				
30	1673	1660	1635	1597	1550	1495	1431	1349	1264	1178	1097	1031	982	942	913				
35	1549	1530	1495	1443	1378	1303	1217	1107	993	880	775	692	634	591	564				
40	1393	1365	1309	1226	1130	1024	913	797	683	576	480	408	362	334	324				
45	1149	1116	1047	943	827	707	589	501	423	356	301	259	232	217	214				
50	801	774	715	627	531	435	344	294	255	225	204	188	174	167	166				
55	468	448	412	363	311	259	212	188	170	158	150	144	137	134	133				
60	272	262	245	221	196	171	148	136	127	121	117	113	110	109	108				
65	172	166	158	146	134	122	111	105	100.0	96.5	94.1	92.1	90.4	89.3	89.0				
70	117	114	109	103	97.2	91.0	85.2	81.8	79.0	77.0	75.4	74.1	73.1	72.4	72.1				
75	81.2	79.4	76.8	73.6	70.2	66.8	63.6	61.6	59.9	58.5	57.5	56.8	56.3	56.2	56.3				
80	52.8	52.1	50.9	49.1	47.2	45.3	43.5	42.3	41.3	40.6	40.1	39.7	39.6	39.6	39.8				
85	25.7	25.7	25.5	25.0	24.5	24.0	23.5	23.3	23.1	23.0	23.0	23.0	23.0	23.1	23.2				
90	5.09	5.25	5.32	5.28	5.24	5.23	5.25	5.50	5.79	6.08	6.34	6.49	6.52	6.47	6.34				
95	296	305	323	349	372	392	403	386	360	328	292	258	226	194	160				
100	1219	1183	1140	1089	1032	972	909	846	782	719	657	599	546	495	447				
105	1814	1767	1713	1653	1586	1514	1438	1355	1272	1191	1115	1049	995	949	911				
110	2376	2327	2266	2197	2122	2042	1961	1881	1804	1731	1664	1610	1569	1537	1515				
115	2889	2838	2773	2697	2617	2536	2459	2402	2352	2309	2271	2239	2213	2192	2178				
120	3332	3290	3239	3183	3126	3069	3015	2977	2945	2918	2894	2872	2852	2834	2819				
125	3812	3788	3755	3714	3671	3627	3586	3562	3542	3524	3509	3492	3474	3456	3438				
130	4329	4316	4290	4252	4211	4170	4132	4114	4101	4091	4081	4070	4054	4038	4020				
135	4829	4820	4798	4763	4724	4684	4646	4627	4612	4599	4588	4576	4562	4547	4533				
140	5271	5266	5248	5218	5183	5147	5112	5090	5071	5054	5039	5024	5009	4995	4981				
145	5649	5647	5634	5610	5581	5551	5520	5499	5480	5462	5446	5430	5414	5399	5385				
150	5949	5947	5939	5924	5907	5887	5866	5848	5830	5812	5796	5781	5767	5755	5744				
155	6198	6196	6191	6181	6170	6157	6143	6130	6118	6105	6094	6083	6074	6065	6057				
160	6389	6389	6386	6381	6375	6368	6361	6354	6347	6340	6333	6327	6322	6317	6312				
165	6532	6533	6532	6530	6527	6524	6521	6518	6515	6512	6509	6506	6504	6503	6501				
170	6629	6630	6631	6630	6629	6628	6627	6627	6627	6627	6627	6627	6627	6627	6626				
175	6686	6687	6688	6688	6689	6690	6690	6691	6691	6692	6692	6693	6694	6694	6695				
180	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713	6713				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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: