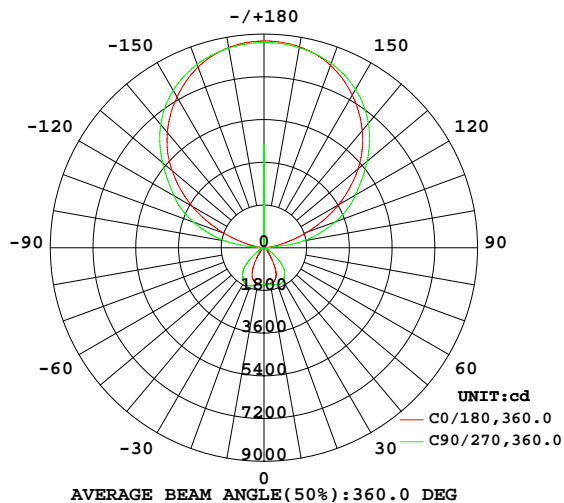


## LUMINAIRE PHOTOMETRIC TEST REPORT

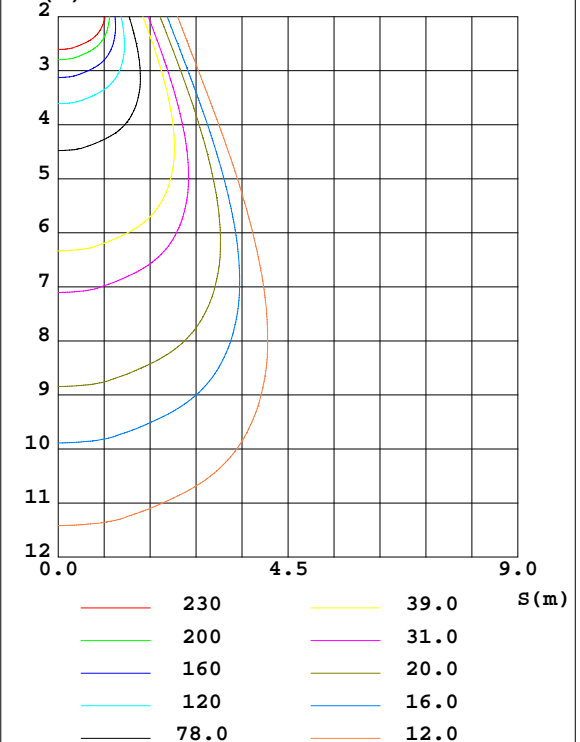
Test:U:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.99 lm/W			
MODEL		Imax(cd)	8715	S/MH(C0/180)	0.92
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	28383	$\eta$ UP,DN(C0-180)	45.0,5.1
NOMINAL FLUX(lm)	28382.6	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	44.8,5.2
LAMPS INSIDE	1	$\eta$ up(%)	89.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	10.3	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:

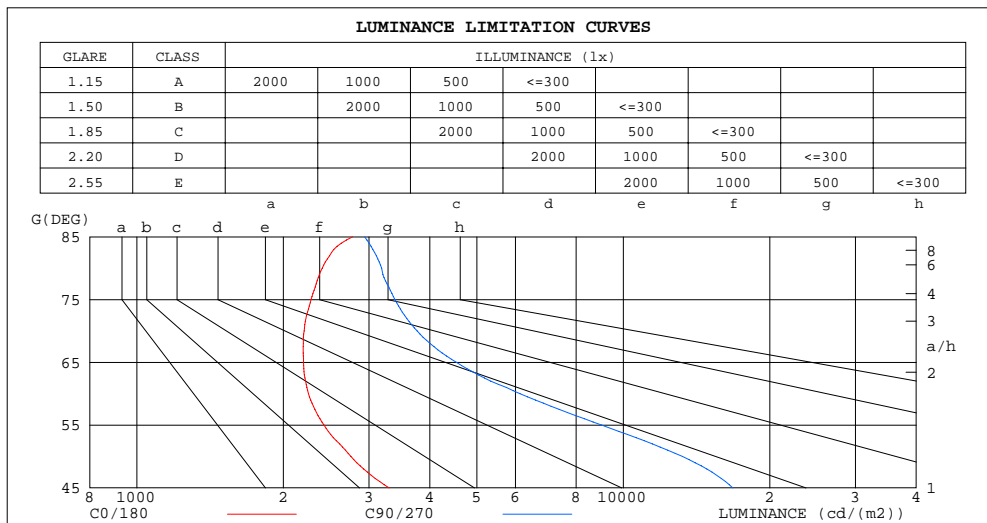
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1531	1548	1569	1539	1527	1568	1599	1563	0- 10	148.4	148.4	0.52,0.52
20	1408	1528	1657	1525	1392	1562	1707	1578	10- 20	441.0	589.4	2.08,2.08
30	894.3	1387	1618	1359	868.8	1418	1678	1433	20- 30	675.8	1265	4.46,4.46
40	331.9	840.6	1357	846.4	321.8	849.1	1402	910.6	30- 40	683.9	1949	6.87,6.87
50	170.0	318.9	816.0	328.7	168.0	313.3	806.8	342.7	40- 50	493.9	2443	8.61,8.61
60	108.1	141.3	294.3	145.0	107.2	138.7	280.6	147.4	50- 60	252.4	2695	9.5,9.5
70	72.46	83.49	123.8	84.14	70.74	81.90	119.8	84.66	60- 70	125.6	2821	9.94,9.94
80	40.07	42.63	53.09	42.40	38.02	41.86	52.79	43.24	70- 80	70.62	2892	10.2,10.2
90	6.194	4.485	4.381	4.089	2.887	4.304	4.682	5.644	80- 90	25.86	2917	10.3,10.3
100	507.9	1107	1711	1059	423.8	1017	1637	1156	90-100	469.8	3387	11.9,11.9
110	1927	2440	3209	2421	1774	2343	3150	2510	100-110	1850	5237	18.5,18.5
120	3620	3856	4453	3818	3486	3689	4379	3884	110-120	3145	8382	29.5,29.5
130	5176	5345	5673	5310	5051	5167	5578	5343	120-130	4126	12508	44.1,44.1
140	6440	6588	6845	6563	6337	6425	6771	6603	130-140	4614	17121	60.3,60.3
150	7436	7561	7715	7537	7336	7422	7655	7577	140-150	4430	21552	75.9,75.9
160	8186	8202	8270	8196	8107	8113	8229	8221	150-160	3637	25189	88.7,88.7
170	8598	8541	8562	8560	8566	8504	8544	8568	160-170	2373	27561	97.1,97.1
180	8713	8713	8713	8713	8713	8713	8713	8713	170-180	821.5	28383	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  
 $\gamma$  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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	2775	2939
80	2404	3185
75	2281	3392
70	2207	3769
65	2201	4537
60	2253	6131
55	2424	9025
50	2754	13223
45	3300	16795

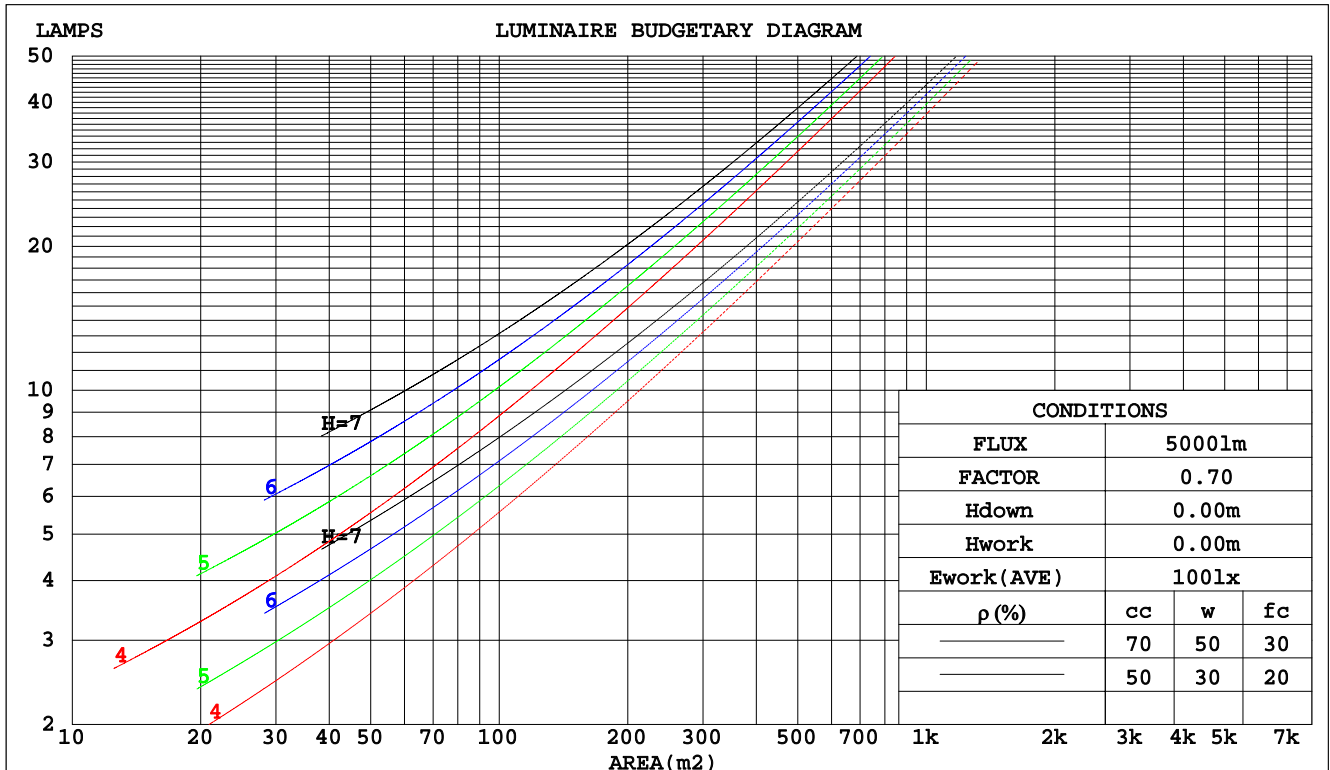
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	.85	.85	.85	.61	.61	.61	.40	.40	.40	.20	.20	.20	.10
1.0	.85	.82	.78	.74	.71	.69	.54	.52	.50	.35	.34	.33	.18	.17	.17	.09
2.0	.75	.69	.64	.65	.61	.57	.47	.45	.42	.31	.29	.28	.16	.15	.15	.08
3.0	.66	.59	.54	.57	.52	.48	.42	.38	.36	.28	.26	.24	.14	.13	.13	.07
4.0	.58	.51	.45	.51	.45	.40	.37	.33	.30	.25	.22	.21	.13	.12	.11	.06
5.0	.52	.44	.39	.45	.39	.35	.33	.29	.26	.22	.20	.18	.12	.11	.10	.06
6.0	.46	.39	.33	.41	.34	.30	.30	.26	.23	.20	.17	.16	.11	.10	.09	.05
7.0	.41	.34	.29	.36	.30	.26	.27	.23	.20	.18	.16	.14	.10	.09	.08	.05
8.0	.37	.30	.25	.33	.27	.23	.24	.20	.17	.16	.14	.12	.09	.08	.07	.04
9.0	.34	.27	.22	.30	.24	.20	.22	.18	.15	.15	.13	.11	.08	.07	.06	.04
10.0	.31	.24	.20	.27	.22	.18	.20	.16	.14	.14	.11	.10	.08	.07	.06	.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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	.221	.126	.040	.158	.090	.029	.099	.057	.018	.045	.026	.008	
2.0	.236	.129	.040	.205	.113	.035	.146	.081	.025	.093	.052	.016	.043	.024	.008	
3.0	.218	.116	.035	.190	.102	.031	.136	.074	.022	.086	.047	.015	.040	.022	.007	
4.0	.202	.105	.031	.176	.092	.027	.127	.067	.020	.081	.043	.013	.038	.021	.006	
5.0	.188	.096	.028	.164	.084	.025	.118	.062	.018	.076	.040	.012	.036	.019	.006	
6.0	.176	.088	.025	.153	.077	.022	.111	.057	.017	.071	.037	.011	.034	.018	.005	
7.0	.165	.081	.023	.144	.072	.020	.104	.053	.015	.067	.034	.010	.032	.017	.005	
8.0	.154	.075	.021	.135	.066	.019	.098	.049	.014	.063	.032	.009	.030	.016	.005	
9.0	.145	.070	.020	.127	.062	.017	.092	.046	.013	.060	.030	.009	.029	.015	.004	
10.0	.137	.066	.018	.120	.058	.016	.087	.043	.012	.056	.028	.008	.027	.014	.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	.874	.874	.874	.747	.747	.747	.510	.510	.510	.293	.293	.293	.094	.094	.094		
1.0	.866	.846	.828	.741	.726	.713	.507	.499	.493	.292	.289	.287	.093	.093	.093		
2.0	.859	.826	.799	.735	.711	.690	.504	.492	.482	.291	.286	.282	.093	.093	.092		
3.0	.852	.812	.779	.730	.700	.676	.502	.486	.474	.290	.284	.279	.093	.092	.091		
4.0	.846	.801	.766	.726	.692	.665	.499	.482	.469	.289	.282	.277	.093	.092	.091		
5.0	.840	.792	.757	.722	.685	.658	.497	.479	.465	.288	.281	.276	.093	.092	.091		
6.0	.835	.785	.750	.717	.680	.653	.495	.476	.462	.287	.280	.275	.093	.092	.091		
7.0	.829	.780	.745	.713	.676	.649	.493	.474	.460	.286	.279	.274	.093	.091	.091		
8.0	.824	.775	.741	.710	.672	.646	.491	.472	.458	.286	.278	.273	.092	.091	.090		
9.0	.820	.771	.738	.706	.669	.644	.489	.470	.457	.285	.278	.273	.092	.091	.090		
10.0	.815	.768	.736	.703	.667	.642	.488	.469	.456	.284	.277	.272	.092	.091	.090		

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	4H	4.7	5.4	5.9	6.5	8.2	11.0	11.7	12.3	12.9	14.6
	3H	5.2	5.8	6.4	7.0	8.7	11.1	11.7	12.3	12.9	14.6
	4H	5.5	6.1	6.8	7.3	9.0	11.1	11.7	12.4	12.9	14.6
	6H	5.8	6.3	7.1	7.5	9.2	11.1	11.6	12.4	12.8	14.5
	8H	6.0	6.4	7.2	7.6	9.4	11.1	11.6	12.3	12.8	14.5
	12H	6.1	6.5	7.3	7.7	9.5	11.1	11.5	12.3	12.7	14.5
4H	2H	5.0	5.5	6.2	6.7	8.4	10.6	11.1	11.8	12.3	14.0
	3H	5.6	6.1	6.9	7.3	9.0	10.7	11.2	12.0	12.4	14.1
	4H	6.0	6.4	7.3	7.7	9.4	10.8	11.2	12.1	12.4	14.2
	6H	6.5	6.8	7.7	8.0	9.8	10.9	11.3	12.2	12.5	14.2
	8H	6.7	7.0	7.9	8.2	10.0	11.0	11.3	12.2	12.5	14.3
	12H	6.8	7.1	8.1	8.4	10.1	10.9	11.2	12.2	12.5	14.2
8H	4H	6.2	6.5	7.4	7.7	9.5	10.6	10.9	11.9	12.2	13.9
	6H	6.7	7.0	8.0	8.2	10.0	10.8	11.0	12.1	12.3	14.1
	8H	7.0	7.3	8.3	8.5	10.3	10.9	11.1	12.1	12.3	14.1
	12H	7.3	7.5	8.6	8.7	10.5	10.9	11.1	12.2	12.4	14.2
12H	4H	6.1	6.4	7.4	7.6	9.4	10.5	10.8	11.8	12.0	13.8
	6H	6.8	7.0	8.0	8.2	10.0	10.7	10.9	12.0	12.2	14.0
	8H	7.1	7.3	8.4	8.5	10.3	10.8	11.0	12.1	12.3	14.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.8 / - 0.8					+ 0.8 / - 1.0				
1.5H		+ 0.9 / - 0.7					+ 1.3 / - 2.3				
2.0H		+ 0.5 / - 0.5					+ 3.1 / - 3.0				

CIE Pub.117, 28383 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 11.6$ )

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

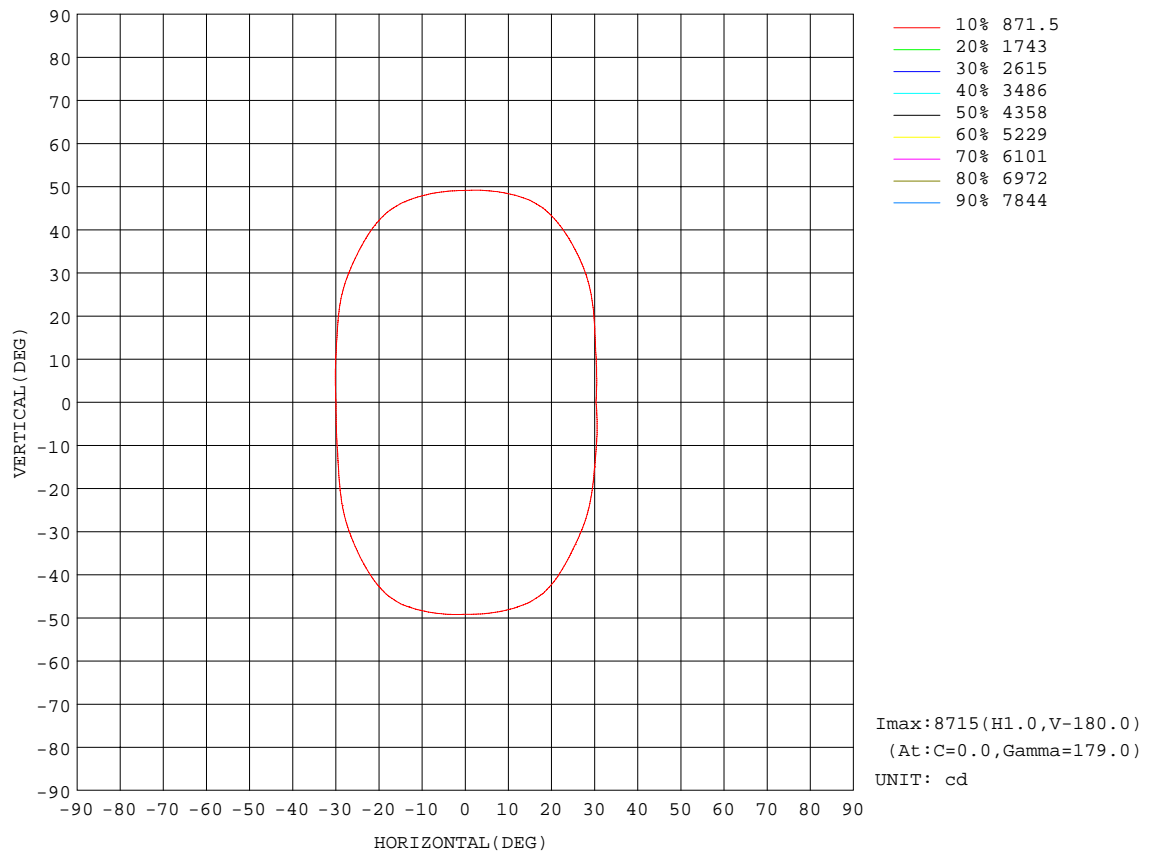
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	34	24	18	30	22	17	24	17	14	5
0.80	43	32	25	38	29	23	29	22	18	6
1.00	50	39	32	44	35	29	33	27	22	7
1.25	57	46	38	50	41	34	37	31	27	8
1.50	62	52	44	55	46	39	40	34	30	8
2.00	70	60	52	61	53	47	44	39	35	8
2.50	74	65	58	65	57	52	47	43	39	9
3.00	78	70	63	68	61	56	49	45	42	9
4.00	82	75	70	72	66	62	52	49	46	9
5.00	85	79	74	74	69	65	54	51	48	9
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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



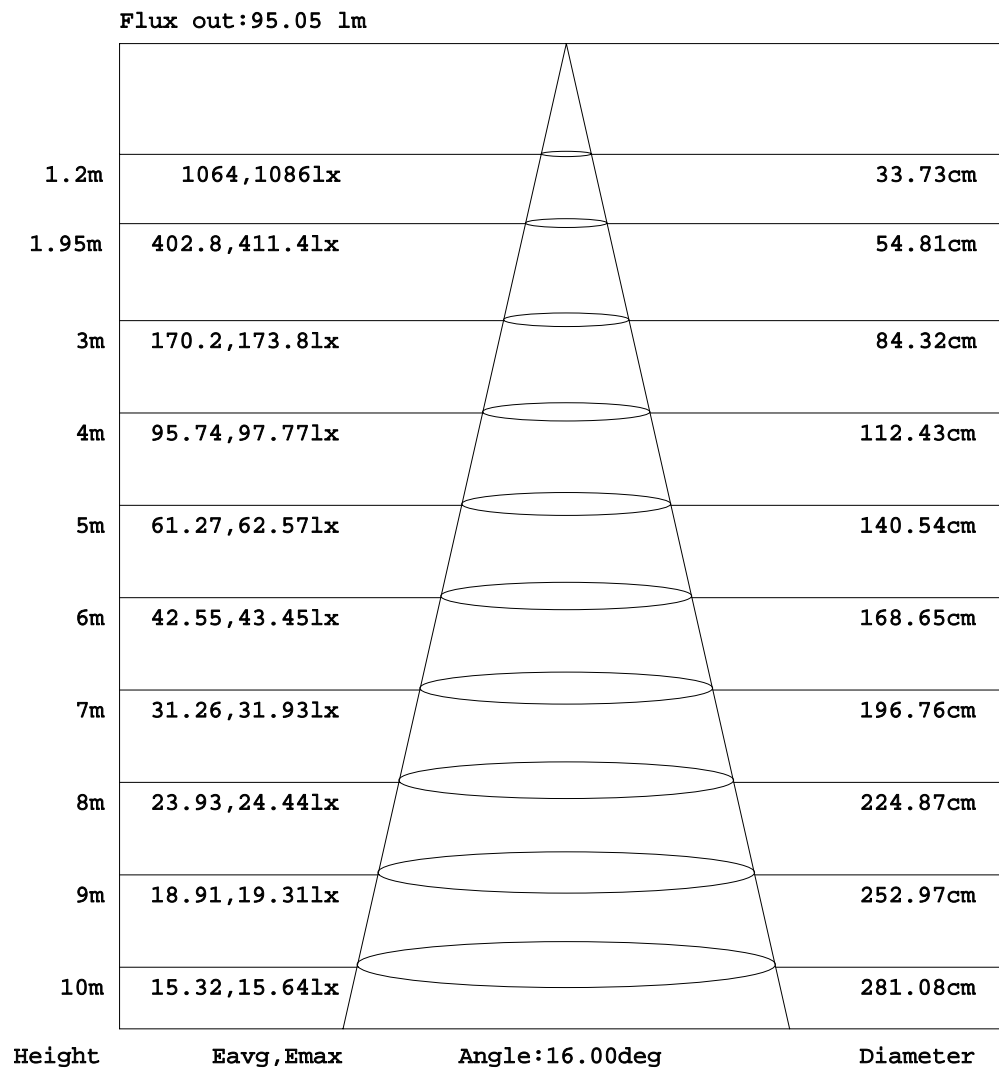
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2025-08-07

$\gamma$  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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:



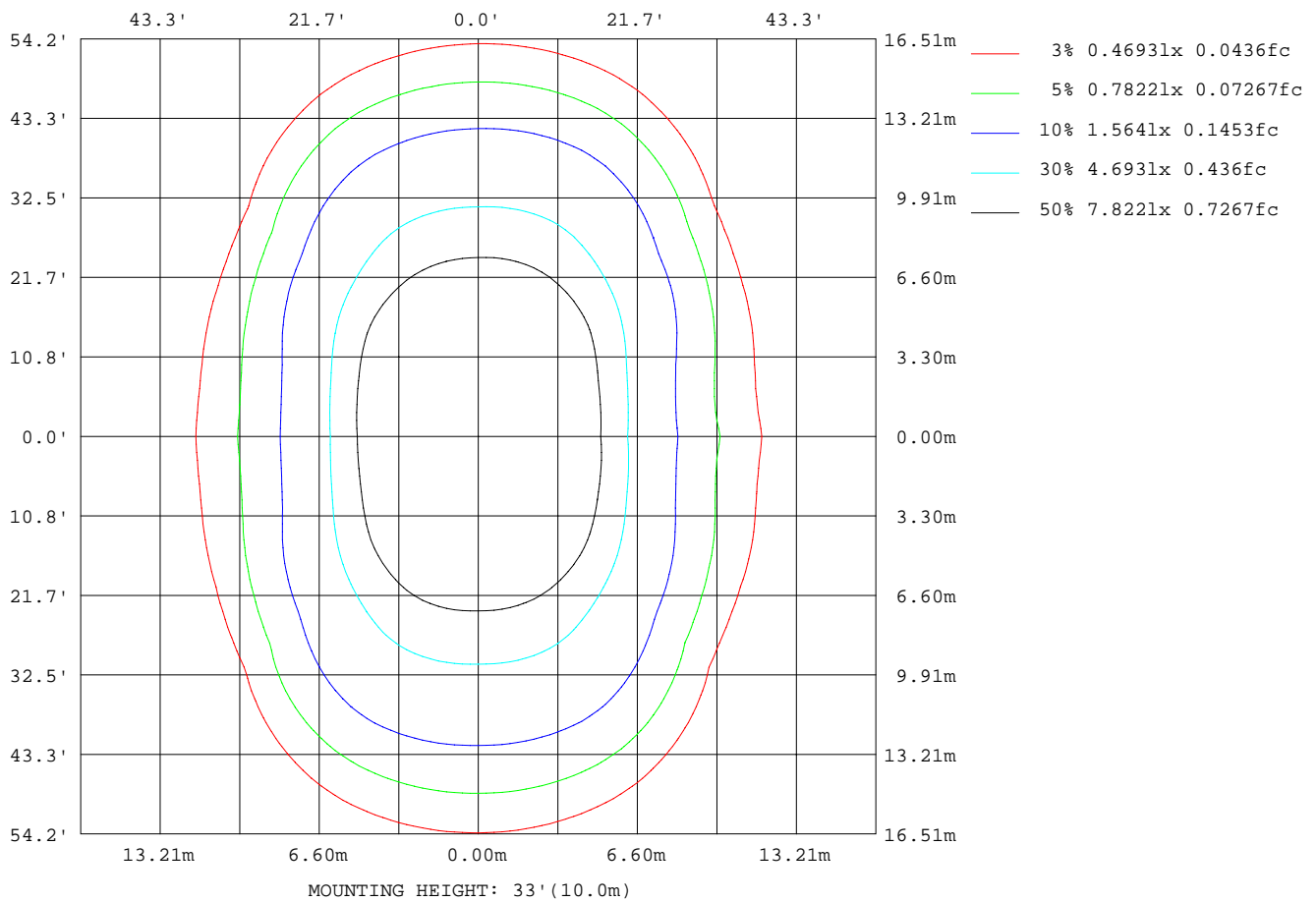
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1282*160*28	SERIAL No.:
MFR.:	SUR.:0.8*0.12	Shielding Angle:

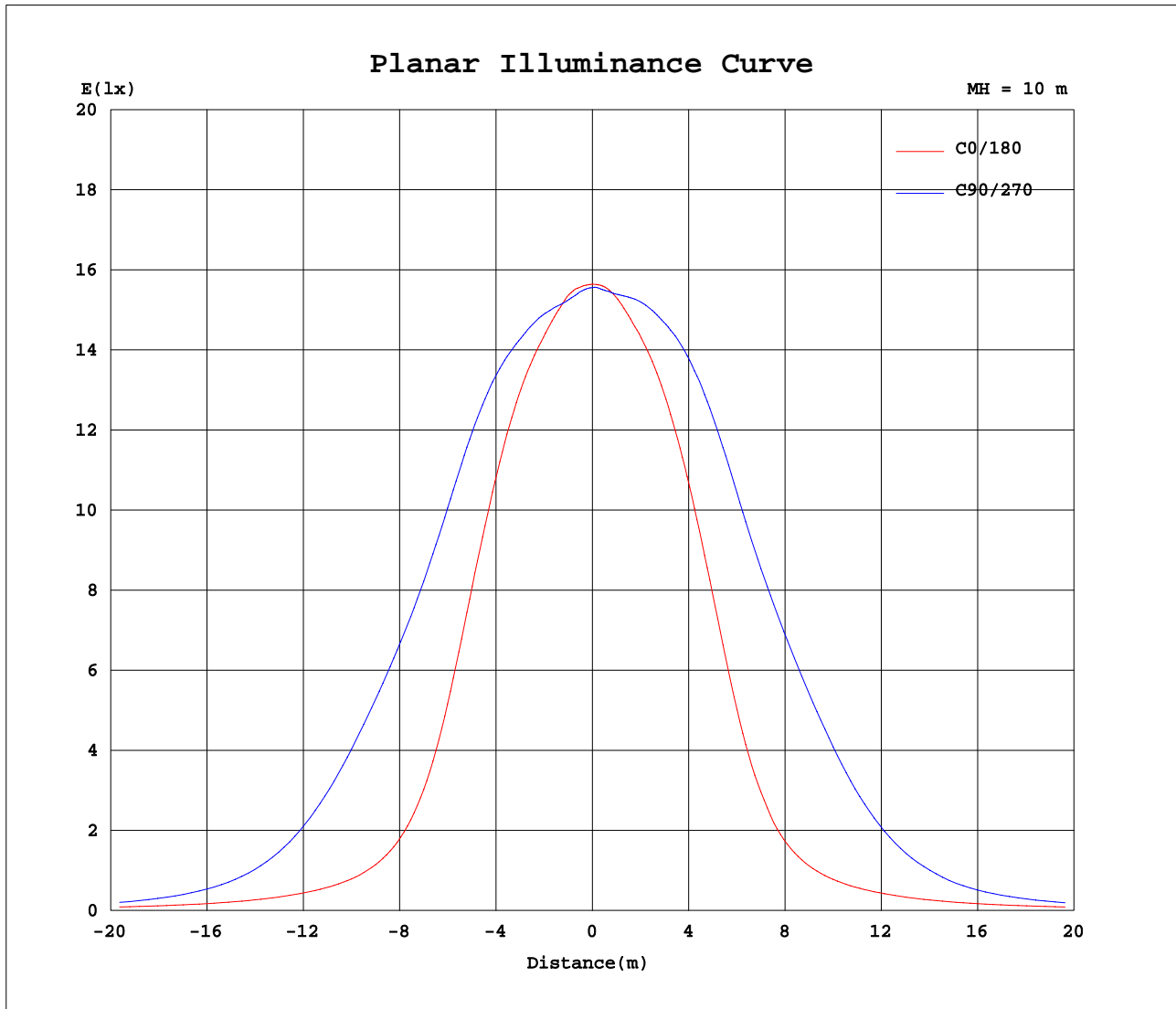
AvgL	cd/m2
L_0~180(65)av	2184
L_0~180(75)av	2245
L_0~180(85)av	2612
L_90~270(65)av	4442
L_90~270(75)av	3368
L_90~270(85)av	2974
L_45(65)av	2666
L_45(75)av	2515
L_45(85)av	2708

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	1564	1563	1563	1562	1561	1561	1560	1560	1559	1559	1559	1559	1558	1558	1558	1557	1557	1556	1555
5	1561	1561	1560	1559	1559	1558	1557	1556	1555	1554	1552	1551	1550	1548	1548	1548	1548	1548	1548
10	1531	1531	1531	1532	1534	1536	1538	1541	1544	1548	1552	1556	1561	1564	1567	1569	1569	1570	1569
15	1496	1496	1497	1500	1504	1510	1518	1528	1538	1548	1559	1569	1579	1589	1596	1602	1606	1609	1610
20	1408	1410	1415	1423	1433	1448	1466	1485	1506	1528	1550	1571	1591	1610	1625	1638	1647	1654	1657
25	1213	1229	1249	1272	1299	1331	1369	1408	1448	1488	1524	1559	1591	1618	1640	1656	1667	1674	1676
30	894	919	951	990	1037	1097	1168	1242	1316	1387	1444	1493	1536	1571	1596	1610	1617	1619	1618
35	550	564	592	633	687	762	856	956	1059	1158	1239	1312	1375	1427	1464	1484	1495	1499	1496
40	332	326	336	362	403	465	546	637	737	841	949	1054	1153	1239	1300	1333	1351	1359	1357
45	224	217	221	234	259	292	335	390	456	534	651	773	893	1003	1078	1115	1136	1144	1140
50	170	167	169	176	188	201	216	240	273	319	407	503	599	690	753	787	807	816	816
55	133	133	134	138	143	148	153	162	176	199	247	301	356	408	447	470	486	495	497
60	108	108	109	110	113	115	118	123	130	141	164	190	216	242	262	275	285	292	294
65	89.3	89.2	89.7	90.7	92.2	93.7	95.4	98.1	102	108	118	130	143	155	165	172	178	182	184
70	72.5	72.5	72.9	73.6	74.5	75.5	76.6	78.3	80.5	83.5	88.9	94.8	101	107	112	116	120	122	124
75	56.7	56.5	56.6	56.8	57.3	57.8	58.5	59.5	60.8	62.5	65.4	68.6	71.9	75.1	78.0	80.3	82.2	83.5	84.3
80	40.1	39.9	39.9	40.0	40.1	40.4	40.6	41.1	41.7	42.6	44.4	46.3	48.2	50.0	51.3	52.2	52.7	53.0	53.1
85	23.2	23.1	22.9	22.9	22.8	22.7	22.7	22.6	22.7	22.9	23.4	23.9	24.5	25.0	25.2	25.1	25.0	24.8	24.6
90	6.19	6.01	5.83	5.64	5.46	5.25	5.02	4.82	4.63	4.48	4.46	4.47	4.50	4.54	4.54	4.50	4.46	4.42	4.38
95	158	194	231	268	306	349	396	439	475	502	497	483	463	440	422	412	403	395	387
100	508	552	602	657	718	787	865	945	1026	1107	1179	1249	1317	1384	1461	1545	1620	1677	1711
105	1122	1145	1181	1228	1288	1366	1460	1561	1665	1770	1860	1948	2031	2112	2199	2290	2369	2428	2463
110	1927	1928	1943	1972	2015	2076	2154	2243	2339	2440	2541	2643	2743	2840	2938	3034	3115	3175	3209
115	2783	2778	2783	2798	2823	2858	2903	2957	3022	3096	3191	3292	3396	3499	3603	3701	3785	3848	3885
120	3620	3609	3607	3615	3632	3660	3699	3746	3798	3856	3914	3976	4040	4106	4185	4273	4352	4414	4453
125	4418	4407	4405	4412	4427	4454	4492	4535	4582	4630	4671	4711	4753	4795	4847	4908	4962	5005	5032
130	5176	5166	5163	5168	5179	5200	5230	5265	5304	5345	5385	5425	5465	5505	5548	5591	5629	5657	5673
135	5851	5837	5830	5831	5840	5858	5885	5918	5956	5997	6041	6086	6130	6171	6209	6241	6266	6283	6291
140	6440	6423	6414	6414	6422	6441	6470	6506	6546	6588	6631	6674	6715	6753	6785	6810	6829	6841	6845
145	6963	6945	6935	6935	6943	6963	6995	7033	7073	7115	7151	7185	7216	7245	7269	7288	7303	7312	7316
150	7436	7417	7406	7403	7408	7426	7455	7489	7525	7561	7588	7612	7634	7653	7671	7688	7701	7710	7715
155	7849	7828	7815	7809	7810	7822	7842	7867	7894	7921	7938	7954	7968	7980	7993	8005	8016	8024	8028
160	8186	8163	8147	8137	8133	8138	8150	8166	8184	8202	8211	8219	8226	8233	8241	8250	8259	8266	8270
165	8437	8414	8396	8383	8374	8373	8378	8386	8396	8406	8410	8414	8417	8420	8425	8431	8437	8442	8445
170	8598	8572	8551	8535	8524	8519	8522	8527	8534	8541	8542	8543	8544	8545	8547	8551	8555	8559	8562
175	8689	8662	8640	8623	8611	8605	8606	8609	8614	8619	8619	8618	8617	8616	8617	8620	8623	8626	8630
180	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	1555	1554	1554	1554	1553	1554	1554	1554	1555	1555	1555	1556	1556	1557	1559	1561	1563	1564	1564
5	1547	1546	1545	1544	1544	1545	1546	1547	1548	1547	1547	1547	1547	1548	1551	1553	1555	1557	1557
10	1568	1565	1563	1560	1556	1552	1548	1544	1539	1534	1529	1525	1521	1520	1521	1522	1524	1527	1529
15	1608	1605	1600	1593	1584	1574	1562	1550	1538	1525	1513	1502	1493	1487	1485	1485	1487	1490	1492
20	1654	1649	1640	1627	1612	1593	1571	1549	1525	1501	1477	1454	1433	1417	1405	1397	1393	1392	1398
25	1676	1671	1661	1646	1623	1593	1558	1519	1477	1428	1380	1332	1289	1253	1225	1206	1194	1192	1205
30	1623	1623	1618	1604	1577	1534	1483	1424	1359	1279	1198	1118	1043	981	933	898	876	869	885
35	1503	1504	1496	1477	1438	1379	1307	1226	1137	1033	926	823	728	654	603	567	546	540	548
40	1365	1363	1349	1320	1260	1171	1069	960	846	737	633	536	451	390	353	330	321	322	322
45	1149	1146	1130	1095	1022	911	790	665	545	463	392	333	286	253	233	221	218	220	218
50	822	819	804	775	712	620	521	421	329	280	243	216	198	185	175	169	167	168	167
55	497	491	477	455	418	365	310	255	206	181	165	154	147	142	136	133	132	132	132
60	293	289	280	268	248	223	196	169	145	133	124	118	115	112	109	108	107	107	107
65	184	181	177	171	161	148	135	121	109	103	98.5	95.4	93.3	91.5	89.9	88.8	88.1	87.9	87.7
70	123	122	119	116	110	104	97.0	90.3	84.1	80.8	78.2	76.3	75.0	73.7	72.5	71.7	71.1	70.7	70.7
75	84.0	83.1	81.6	79.5	76.7	73.2	69.5	66.0	62.6	60.7	59.2	58.1	57.2	56.5	55.9	55.4	55.1	54.9	54.7
80	53.1	53.0	52.5	51.8	50.4	48.5	46.4	44.3	42.4	41.4	40.7	40.1	39.7	39.3	38.9	38.5	38.2	38.0	37.9
85	24.7	24.9	25.0	25.1	24.8	24.2	23.6	23.0	22.4	22.2	22.1	22.0	21.9	21.7	21.4	21.0	20.7	20.5	20.4
90	4.41	4.44	4.47	4.49	4.46	4.37	4.27	4.18	4.09	4.12	4.15	4.16	4.14	3.98	3.68	3.37	3.10	2.89	2.98
95	375	365	356	352	361	383	404	421	430	408	377	339	297	254	212	175	146	127	142
100	1675	1616	1540	1452	1368	1292	1215	1137	1059	981	904	828	754	674	591	518	460	424	445
105	2427	2366	2286	2193	2101	2015	1925	1831	1735	1629	1524	1421	1323	1231	1149	1080	1029	998	1009
110	3175	3114	3033	2936	2836	2737	2634	2528	2421	2312	2207	2107	2015	1938	1876	1828	1793	1774	1773
115	3852	3792	3711	3613	3508	3400	3290	3181	3076	2990	2913	2844	2785	2736	2697	2667	2647	2635	2629
120	4420	4362	4287	4200	4117	4040	3964	3890	3818	3753	3693	3639	3592	3555	3528	3508	3495	3486	3477
125	5006	4964	4909	4847	4790	4740	4689	4638	4587	4532	4479	4429	4384	4349	4326	4308	4295	4288	4279
130	5654	5623	5583	5536	5490	5446	5401	5356	5310	5264	5218	5176	5138	5108	5087	5071	5059	5051	5042
135	6278	6256	6226	6190	6149	6105	6059	6012	5966	5922	5882	5845	5812	5788	5773	5762	5753	5747	5733
140	6837	6821	6798	6770	6735	6695	6652	6607	6563	6519	6478	6440	6406	6381	6365	6353	6344	6337	6322
145	7312	7301	7285	7264	7237	7204	7168	7130	7090	7047	7005	6966	6930	6905	6890	6878	6870	6864	6849
150	7710	7701	7688	7670	7649	7625	7598	7569	7537	7500	7464	7428	7396	7373	7359	7349	7342	7336	7321
155	8025	8018	8008	7995	7981	7965	7947	7927	7906	7879	7851	7824	7799	7782	7772	7765	7759	7754	7739
160	8268	8263	8255	8247	8238	8229	8219	8208	8196	8180	8163	8146	8131	8122	8117	8114	8111	8107	8091
165	8444	8441	8437	8433	8429	8425	8422	8417	8413	8405	8397	8390	8383	8381	8382	8384	8384	8381	8365
170	8562	8562	8562	8561	8560	8560	8560	8560	8560	8559	8559	8558	8558	8561	8565	8568	8569	8566	8550
175	8631	8633	8634	8636	8637	8639	8641	8643	8645	8649	8652	8656	8660	8665	8672	8676	8678	8676	8659
180	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 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	1563	1562	1561	1561	1560	1560	1559	1559	1559	1559	1558	1558	1558	1557	1557	1556	1555	1555	1554
5	1557	1557	1556	1556	1556	1557	1557	1558	1559	1560	1561	1561	1561	1561	1560	1560	1559	1558	1558
10	1531	1534	1537	1542	1548	1554	1561	1568	1575	1582	1588	1593	1597	1599	1600	1600	1599	1598	1596
15	1496	1501	1508	1518	1531	1545	1560	1575	1590	1604	1617	1629	1638	1644	1648	1651	1651	1650	1647
20	1407	1420	1436	1457	1481	1507	1534	1562	1588	1614	1638	1660	1677	1690	1699	1705	1707	1705	1700
25	1227	1257	1293	1334	1379	1427	1475	1522	1564	1603	1639	1670	1694	1711	1722	1729	1731	1731	1726
30	916	960	1015	1085	1166	1251	1337	1418	1480	1535	1581	1619	1646	1663	1673	1678	1678	1683	1683
35	571	610	664	744	846	957	1070	1179	1266	1343	1409	1466	1506	1531	1546	1554	1554	1561	1561
40	332	355	393	454	539	636	740	849	962	1072	1174	1266	1330	1367	1390	1401	1402	1411	1410
45	223	235	255	288	334	390	459	538	654	773	891	1000	1076	1117	1143	1155	1156	1167	1166
50	169	174	183	195	211	235	269	313	397	487	579	665	728	764	789	802	807	815	814
55	133	135	139	144	149	158	173	194	239	288	338	387	425	450	469	481	486	487	481
60	107	109	111	113	116	121	128	139	159	182	206	228	247	260	270	277	281	281	278
65	88.0	88.7	89.9	91.4	93.3	96.1	100	105	115	126	137	148	157	164	170	174	176	176	175
70	70.9	71.4	72.2	73.3	74.6	76.4	78.8	81.9	87.0	92.5	98.2	104	109	113	116	118	120	120	119
75	54.7	54.8	55.2	55.8	56.8	58.0	59.6	61.5	64.4	67.5	70.7	73.8	76.6	78.9	80.8	82.2	83.1	82.9	82.1
80	37.9	38.0	38.2	38.6	39.1	39.8	40.7	41.9	43.6	45.5	47.4	49.2	50.6	51.5	52.1	52.6	52.8	52.9	52.8
85	20.5	20.6	20.7	20.9	21.0	21.3	21.6	21.9	22.5	23.1	23.8	24.3	24.7	24.9	25.1	25.1	25.2	25.4	25.5
90	3.16	3.38	3.63	3.82	3.96	4.08	4.19	4.30	4.46	4.60	4.73	4.84	4.87	4.82	4.76	4.71	4.68	4.79	4.93
95	167	201	239	279	318	354	384	406	401	387	369	349	335	327	323	323	328	342	360
100	489	549	622	697	772	850	932	1017	1108	1198	1286	1368	1445	1512	1568	1610	1637	1631	1609
105	1041	1092	1160	1244	1341	1447	1559	1673	1784	1892	1996	2094	2186	2270	2340	2393	2426	2418	2390
110	1788	1818	1865	1933	2020	2119	2228	2343	2465	2588	2707	2819	2919	3002	3070	3120	3150	3144	3118
115	2632	2646	2670	2705	2754	2814	2887	2973	3091	3216	3344	3467	3575	3663	3736	3789	3821	3814	3785
120	3474	3477	3488	3509	3539	3579	3629	3689	3774	3865	3959	4052	4141	4221	4290	4344	4379	4373	4348
125	4274	4275	4283	4300	4326	4359	4400	4447	4508	4573	4639	4705	4768	4825	4875	4916	4945	4950	4942
130	5036	5036	5040	5052	5071	5096	5128	5167	5222	5281	5341	5400	5451	5493	5528	5557	5578	5590	5594
135	5722	5714	5712	5718	5734	5758	5788	5826	5879	5937	5995	6052	6098	6133	6162	6184	6201	6214	6221
140	6310	6302	6299	6307	6326	6353	6386	6425	6477	6533	6588	6641	6684	6715	6739	6758	6771	6784	6790
145	6836	6827	6824	6833	6855	6883	6918	6958	7005	7054	7103	7149	7184	7209	7228	7243	7253	7264	7271
150	7308	7298	7295	7304	7325	7353	7386	7422	7460	7499	7537	7572	7600	7619	7635	7646	7655	7664	7671
155	7724	7713	7706	7711	7728	7750	7776	7805	7833	7862	7889	7915	7935	7950	7961	7970	7977	7985	7990
160	8075	8060	8049	8049	8060	8075	8093	8113	8131	8149	8166	8182	8196	8207	8216	8223	8229	8235	8240
165	8346	8328	8313	8308	8313	8321	8333	8345	8354	8364	8373	8381	8389	8396	8403	8409	8414	8420	8424
170	8531	8512	8494	8486	8487	8491	8497	8504	8508	8512	8516	8521	8525	8530	8534	8539	8544	8548	8552
175	8639	8618	8599	8588	8587	8589	8593	8598	8599	8600	8602	8603	8606	8609	8613	8617	8621	8625	8629
180	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713

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:229.52V I:0.8523A P:193.09W PF:0.9870 Freq:49.99Hz Lamp Flux:28382.6x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1282*160*28						SERIAL No.:		
MFR.:									SUR.:0.8*0.12						Shielding Angle:		

Table--4

UNIT: cd

C(°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (°)	0	1554	1554	1553	1554	1554	1554	1555	1555	1555	1556	1556	1557	1559	1560	1562			
5	1557	1557	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1557	1558	1560				
10	1593	1590	1586	1581	1575	1569	1563	1556	1550	1544	1538	1534	1532	1531	1530				
15	1642	1635	1626	1614	1601	1587	1573	1559	1545	1532	1520	1511	1504	1500	1497				
20	1691	1679	1664	1645	1625	1602	1578	1551	1524	1498	1473	1453	1437	1424	1414				
25	1717	1702	1680	1652	1619	1581	1540	1489	1437	1386	1337	1297	1267	1243	1225				
30	1678	1664	1639	1600	1553	1497	1433	1350	1264	1178	1097	1030	981	941	913				
35	1553	1534	1498	1445	1380	1304	1217	1106	992	878	773	689	631	588	561				
40	1396	1368	1311	1227	1130	1023	911	794	681	574	479	407	361	333	323				
45	1151	1118	1048	943	827	706	588	500	422	356	301	259	231	216	214				
50	801	773	714	625	529	433	343	292	253	224	204	187	174	167	165				
55	468	446	411	362	310	258	211	187	170	158	150	143	137	133	132				
60	272	261	244	220	195	170	147	135	127	121	117	113	110	108	108				
65	171	166	157	145	133	121	110	104	99.4	96.0	93.6	91.7	90.1	89.1	88.9				
70	116	113	109	103	96.6	90.4	84.7	81.2	78.5	76.5	75.0	73.8	72.8	72.3	72.2				
75	80.7	78.9	76.3	73.1	69.7	66.4	63.3	61.2	59.6	58.3	57.3	56.6	56.2	56.0	56.2				
80	52.4	51.8	50.5	48.8	46.9	45.0	43.2	42.1	41.2	40.4	39.9	39.6	39.4	39.4	39.7				
85	25.6	25.6	25.4	24.9	24.4	23.9	23.4	23.2	23.0	22.9	22.9	22.9	22.9	23.0	23.1				
90	5.08	5.24	5.33	5.36	5.41	5.50	5.64	6.13	6.64	7.12	7.52	7.67	7.56	7.28	6.82				
95	381	404	432	462	488	506	515	492	458	417	370	326	285	244	201				
100	1573	1524	1464	1395	1320	1239	1156	1075	993	913	835	761	692	627	566				
105	2344	2282	2209	2127	2036	1939	1837	1730	1623	1520	1422	1338	1269	1210	1161				
110	3073	3011	2931	2835	2730	2621	2510	2406	2306	2214	2130	2062	2010	1970	1942				
115	3737	3671	3584	3480	3370	3260	3155	3082	3019	2965	2919	2879	2845	2817	2796				
120	4307	4253	4187	4112	4034	3957	3884	3835	3794	3759	3729	3701	3676	3654	3635				
125	4923	4894	4852	4800	4743	4687	4634	4601	4574	4550	4529	4507	4484	4461	4439				
130	5589	5574	5543	5495	5444	5392	5343	5319	5301	5286	5273	5257	5238	5218	5197				
135	6220	6211	6185	6143	6097	6050	6004	5978	5957	5939	5923	5908	5892	5878	5864				
140	6790	6782	6761	6726	6686	6645	6603	6574	6548	6525	6505	6487	6471	6458	6448				
145	7273	7269	7254	7228	7197	7164	7131	7103	7077	7053	7031	7012	6996	6982	6971				
150	7674	7672	7662	7645	7624	7602	7577	7555	7534	7514	7494	7478	7464	7453	7444				
155	7993	7993	7988	7979	7967	7953	7939	7925	7912	7900	7888	7877	7868	7861	7854				
160	8243	8244	8243	8238	8233	8227	8221	8215	8210	8205	8201	8197	8193	8190	8188				
165	8428	8431	8432	8432	8431	8430	8429	8431	8433	8435	8437	8438	8438	8438	8438				
170	8556	8560	8562	8564	8565	8566	8568	8572	8577	8582	8586	8590	8593	8595	8597				
175	8632	8636	8639	8641	8643	8646	8649	8655	8660	8666	8672	8677	8681	8684	8687				
180	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713	8713				

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: