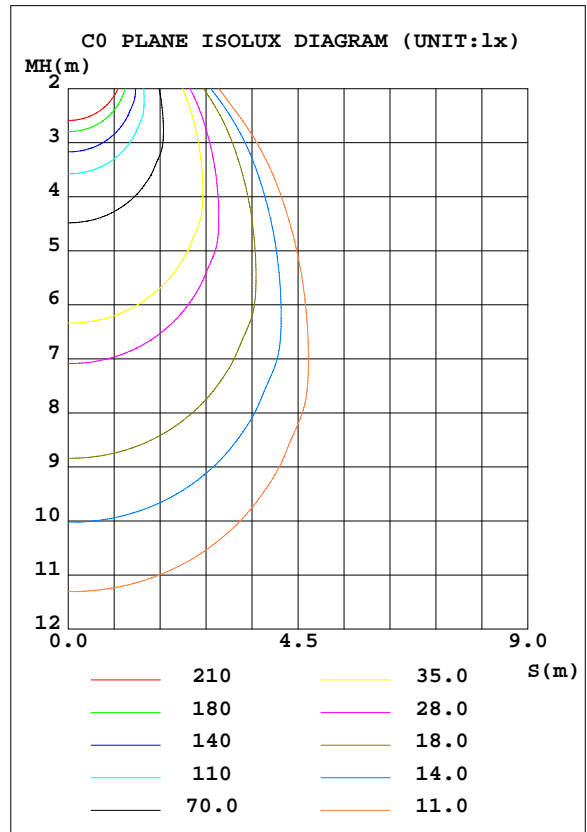
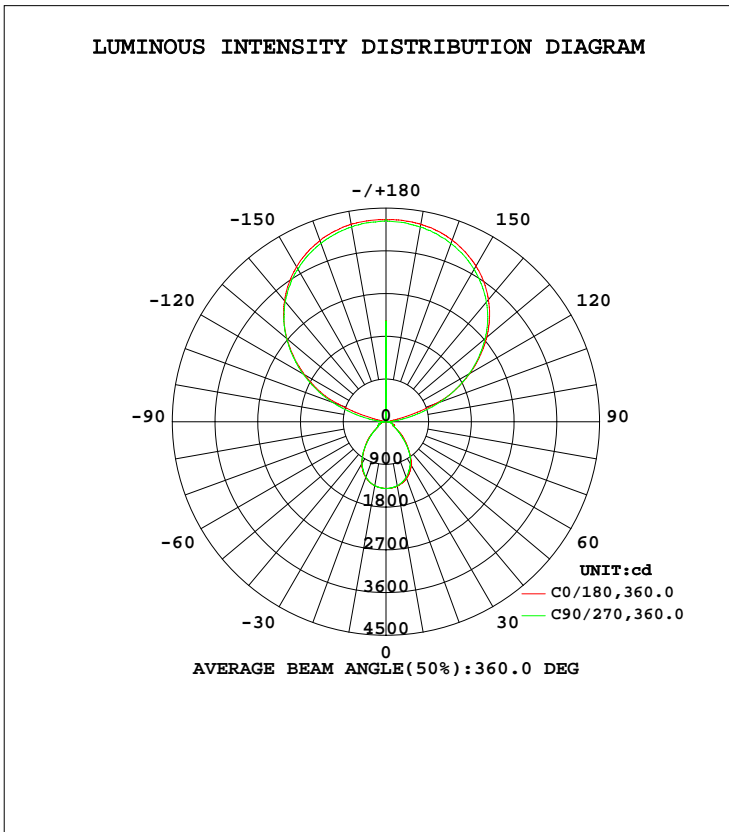


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.47 lm/W			
MODEL		I <sub>max</sub> (cd)	4262	S/MH(C0/180)	1.11
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.10
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	14964	η UP, DN(C0-180)	41.3, 8.7
NOMINAL FLUX(lm)	14964	CIE CLASS	SEMI-IND.	η UP, DN(C180-360)	41.3, 8.6
LAMPS INSIDE	1	η up(%)	82.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	17.4	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

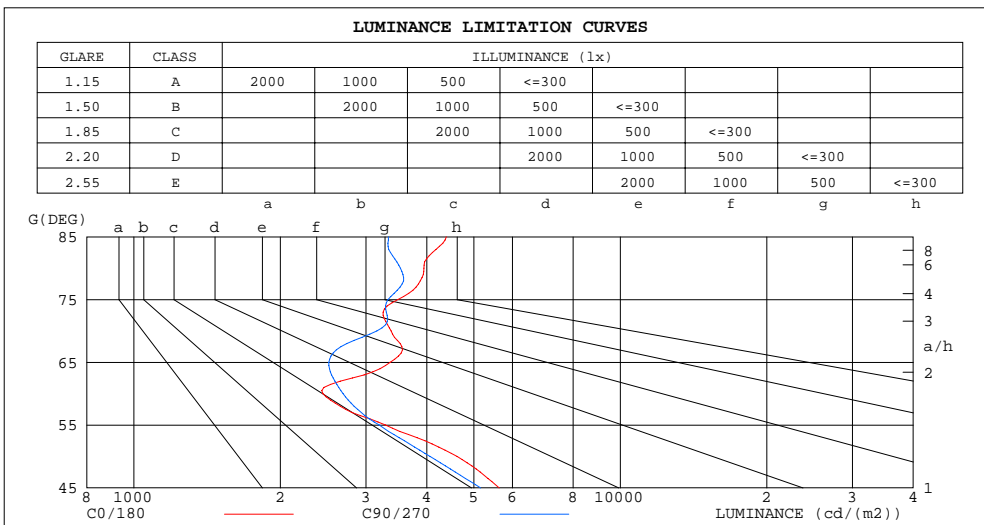
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φlum,lamp
10	1379	1374	1369	1370	1369	1365	1368	1377	0- 10	132.7	132.7	0.89,0.89
20	1271	1256	1245	1239	1247	1233	1239	1254	10- 20	371.9	504.6	3.37,3.37
30	1074	1020	1026	999.8	1027	996.1	1013	1011	20- 30	525.8	1030	6.89,6.89
40	725.2	698.1	704.6	674.0	686.8	672.3	684.8	694.6	30- 40	540.8	1571	10.5,10.5
50	422.3	459.0	371.7	430.0	384.7	436.1	369.1	439.1	40- 50	424.5	1996	13.3,13.3
60	174.2	199.9	191.6	168.8	185.1	177.0	196.4	177.5	50- 60	276.2	2272	15.2,15.2
70	164.4	78.31	153.7	87.56	163.9	90.67	149.7	82.88	60- 70	162.1	2434	16.3,16.3
80	97.50	88.46	87.28	91.54	93.72	94.89	95.47	83.75	70- 80	113.9	2548	17,17
90	2.801	4.983	4.570	2.234	2.345	2.530	3.986	3.617	80- 90	51.89	2600	17.4,17.4
100	48.24	201.7	386.7	187.4	48.52	154.7	379.7	227.3	90-100	82.59	2682	17.9,17.9
110	1101	1192	1203	1142	1001	1132	1197	1180	100-110	667.7	3350	22.4,22.4
120	2041	2033	2020	1993	1982	1987	2018	2031	110-120	1561	4911	32.8,32.8
130	2769	2757	2725	2737	2724	2727	2733	2764	120-130	2124	7035	47,47
140	3357	3324	3292	3314	3323	3298	3301	3339	130-140	2346	9381	62.7,62.7
150	3789	3740	3711	3742	3770	3728	3713	3762	140-150	2218	11599	77.5,77.5
160	4074	4017	3997	4028	4062	4010	4001	4041	150-160	1799	13398	89.5,89.5
170	4225	4173	4165	4189	4229	4176	4167	4192	160-170	1164	14562	97.3,97.3
180	4258	4258	4258	4258	4258	4258	4258	4258	170-180	401.9	14964	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:2023-10-19

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:

LUMINANCE LIMITATION CURVES

Test:U:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4388	3336
80	3946	3532
75	3489	3330
70	3379	3158
65	3363	2517
60	2448	2693
55	3292	3195
50	4617	4063
45	5633	5161

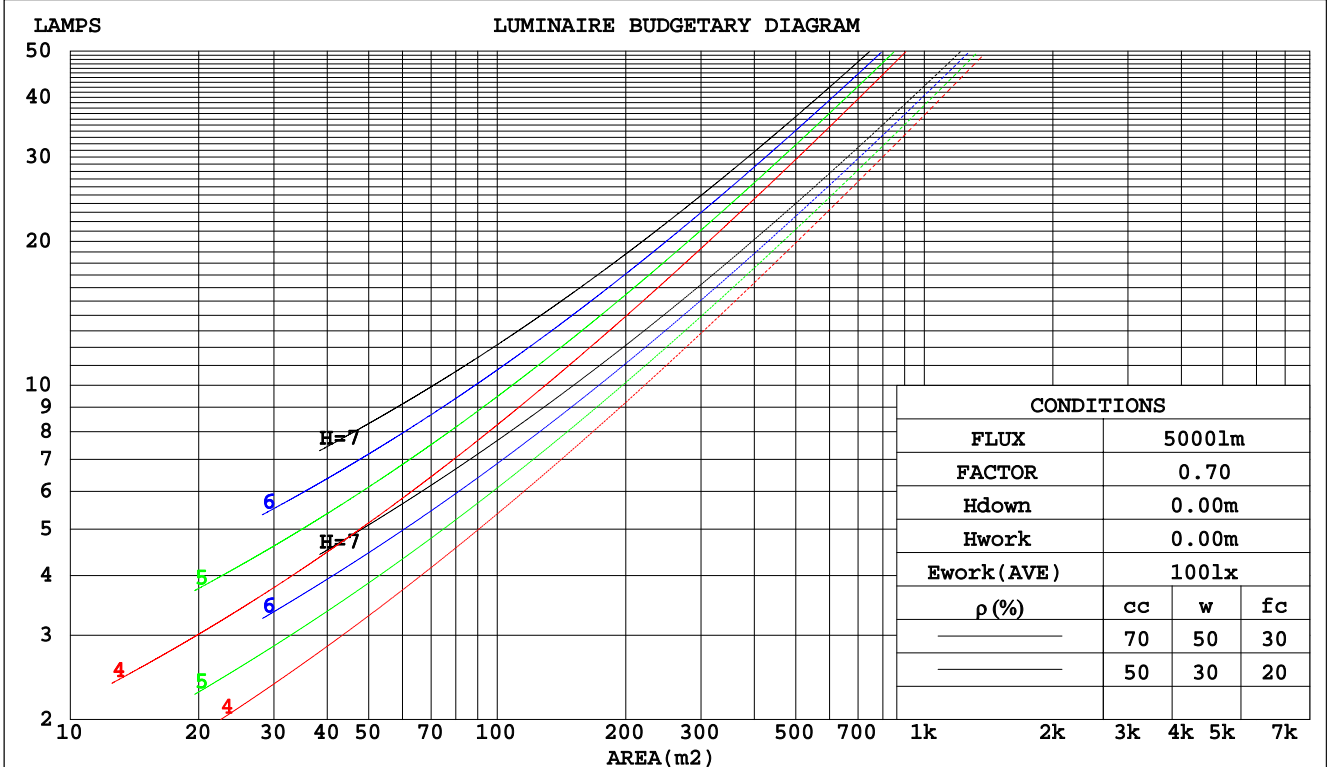
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964xl lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.99	.99	.99	.87	.87	.87	.65	.65	.65	.45	.45	.45	.26	.26	.26	.17
1.0	.87	.83	.80	.76	.73	.71	.57	.55	.54	.40	.39	.38	.23	.23	.22	.15
2.0	.76	.70	.66	.67	.62	.59	.50	.47	.45	.35	.33	.32	.21	.20	.19	.13
3.0	.67	.60	.55	.59	.54	.49	.45	.41	.38	.31	.29	.27	.19	.18	.17	.11
4.0	.59	.52	.46	.53	.46	.42	.40	.36	.32	.28	.25	.23	.17	.16	.15	.10
5.0	.53	.45	.40	.47	.41	.36	.36	.31	.28	.25	.23	.20	.15	.14	.13	.09
6.0	.47	.40	.34	.42	.36	.31	.32	.28	.24	.23	.20	.18	.14	.13	.12	.08
7.0	.43	.35	.30	.38	.32	.27	.29	.25	.21	.21	.18	.16	.13	.11	.10	.07
8.0	.39	.31	.26	.34	.28	.24	.26	.22	.19	.19	.16	.14	.12	.10	.09	.07
9.0	.35	.28	.23	.31	.25	.21	.24	.20	.17	.17	.15	.13	.11	.10	.08	.06
10.0	.32	.25	.21	.29	.23	.19	.22	.18	.15	.16	.13	.11	.10	.09	.08	.06



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.259	.147	.047	.227	.130	.041	.168	.096	.031	.113	.065	.021	.062	.036	.012	
2.0	.239	.131	.040	.210	.116	.036	.155	.086	.027	.105	.059	.018	.058	.033	.010	
3.0	.221	.118	.035	.194	.104	.031	.144	.078	.024	.098	.054	.016	.055	.030	.009	
4.0	.205	.107	.031	.180	.094	.028	.134	.071	.021	.091	.049	.015	.051	.028	.008	
5.0	.191	.097	.028	.168	.086	.025	.125	.065	.019	.085	.045	.013	.048	.026	.008	
6.0	.178	.089	.026	.157	.079	.023	.117	.060	.017	.080	.042	.012	.045	.024	.007	
7.0	.166	.082	.023	.147	.073	.021	.110	.056	.016	.075	.039	.011	.043	.022	.007	
8.0	.156	.076	.021	.138	.068	.019	.103	.052	.015	.071	.036	.010	.040	.021	.006	
9.0	.147	.071	.020	.130	.063	.018	.097	.048	.014	.067	.034	.010	.038	.019	.006	
10.0	.138	.066	.018	.123	.059	.017	.092	.045	.013	.063	.031	.009	.036	.018	.005	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.820	.820	.820	.701	.701	.701	.478	.478	.478	.275	.275	.275	.088	.088	.088	
1.0	.812	.791	.773	.694	.679	.665	.475	.467	.460	.273	.270	.268	.088	.087	.087	
2.0	.804	.771	.743	.689	.664	.643	.472	.459	.448	.272	.267	.263	.087	.086	.086	
3.0	.797	.756	.724	.684	.653	.627	.469	.453	.440	.271	.265	.259	.087	.086	.085	
4.0	.791	.745	.710	.679	.644	.617	.467	.449	.434	.270	.263	.257	.087	.086	.084	
5.0	.785	.737	.701	.674	.637	.610	.465	.445	.430	.269	.261	.255	.087	.085	.084	
6.0	.780	.730	.694	.670	.632	.604	.462	.442	.427	.268	.260	.254	.087	.085	.084	
7.0	.774	.724	.689	.666	.627	.600	.460	.440	.425	.267	.259	.253	.086	.085	.084	
8.0	.769	.719	.685	.662	.624	.597	.458	.438	.424	.267	.258	.252	.086	.085	.084	
9.0	.764	.715	.682	.658	.621	.595	.456	.436	.422	.266	.258	.252	.086	.085	.083	
10.0	.760	.712	.680	.655	.618	.593	.454	.435	.421	.265	.257	.251	.086	.084	.083	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 610*310*30			SERIAL No.:				
MFR.:			SUR.:0.556*0.256			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	9.6	10.3	10.7	11.4	13.0	9.3	10.0	10.4	11.1	12.7
3H	10.5	11.1	11.7	12.3	13.9	10.0	10.6	11.2	11.8	13.4
4H	11.0	11.5	12.1	12.7	14.3	10.5	11.1	11.7	12.2	13.9
6H	11.5	12.0	12.7	13.2	14.8	11.1	11.6	12.2	12.7	14.4
8H	11.8	12.3	12.9	13.4	15.1	11.3	11.8	12.4	12.9	14.6
12H	12.0	12.4	13.2	13.6	15.2	11.4	11.9	12.6	13.0	14.7
4H 2H	9.4	10.0	10.6	11.1	12.8	9.2	9.7	10.3	10.9	12.5
3H	10.5	11.0	11.7	12.1	13.8	10.0	10.5	11.2	11.7	13.3
4H	11.1	11.5	12.3	12.7	14.3	10.7	11.1	11.9	12.3	13.9
6H	11.9	12.2	13.1	13.4	15.1	11.4	11.8	12.6	13.0	14.6
8H	12.2	12.6	13.4	13.7	15.4	11.7	12.1	12.9	13.2	14.9
12H	12.5	12.8	13.7	14.0	15.7	11.9	12.2	13.1	13.4	15.1
8H 4H	11.1	11.4	12.3	12.6	14.3	10.7	11.0	11.9	12.2	13.9
6H	12.1	12.3	13.3	13.5	15.2	11.6	11.9	12.9	13.1	14.8
8H	12.6	12.8	13.8	14.0	15.7	12.1	12.3	13.3	13.5	15.3
12H	13.0	13.2	14.3	14.4	16.2	12.4	12.7	13.7	13.9	15.6
12H 4H	11.0	11.3	12.2	12.5	14.2	10.7	11.0	11.9	12.2	13.8
6H	12.1	12.4	13.3	13.6	15.3	11.7	12.0	13.0	13.2	14.9
8H	12.7	12.9	13.9	14.1	15.8	12.2	12.5	13.5	13.7	15.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.6 / - 0.9					+ 0.6 / - 0.8				

CIE Pub.117, 14964 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 9.4)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

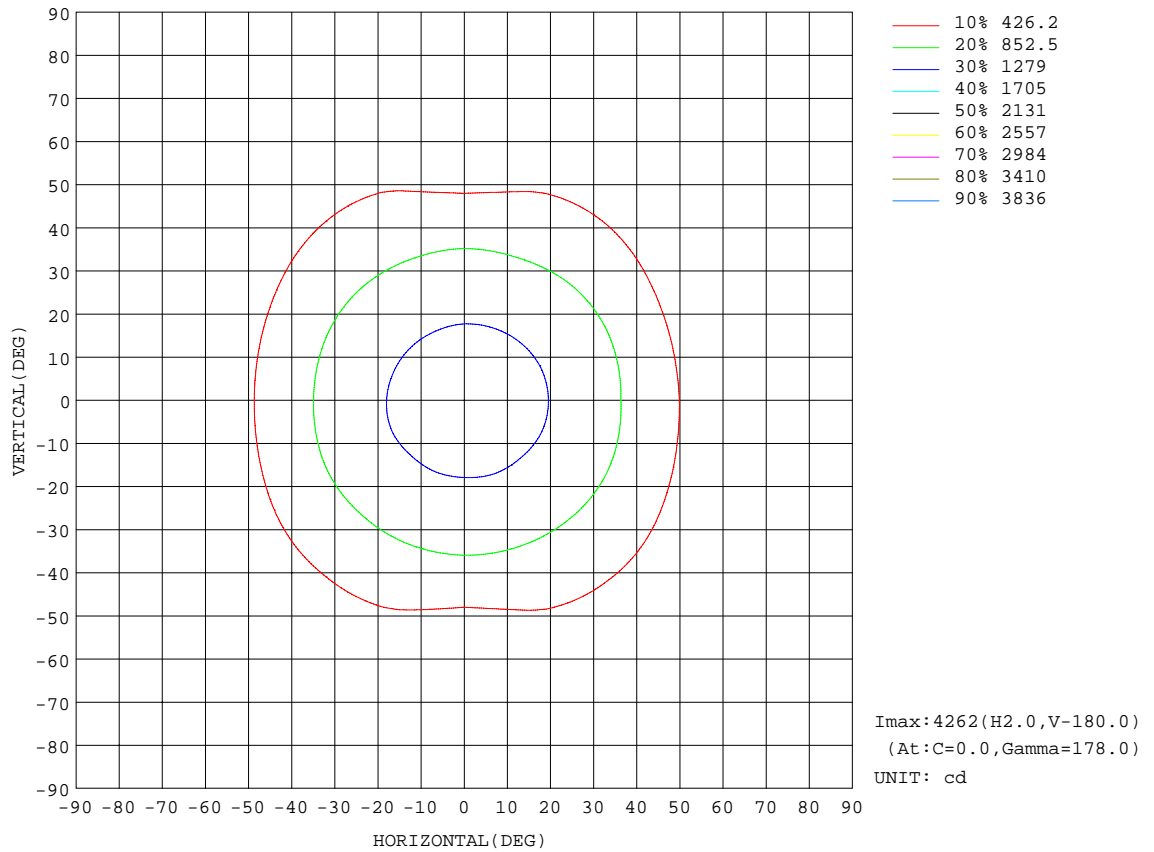
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	37	26	21	33	24	19	26	20	16	8
0.80	46	35	28	41	31	26	32	25	21	9
1.00	53	42	35	47	38	32	37	30	26	11
1.25	60	49	41	53	44	38	41	35	30	12
1.50	65	54	47	57	49	42	44	38	34	13
2.00	72	62	55	64	56	50	48	43	39	14
2.50	76	68	61	67	60	55	51	46	43	14
3.00	80	72	66	70	64	59	53	49	46	15
4.00	84	78	72	74	69	65	56	52	50	15
5.00	87	82	77	77	72	68	57	55	52	16
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:2023-10-19

$\gamma$  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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



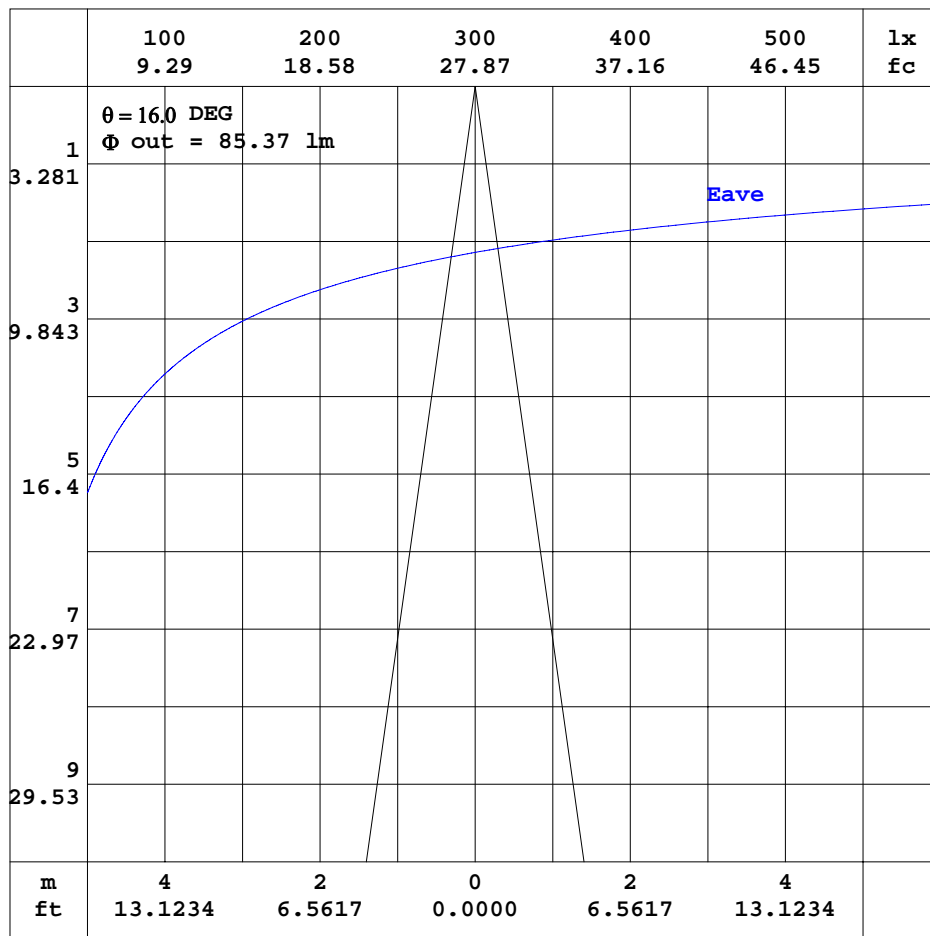
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:



AAI CURVES

Test:U:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



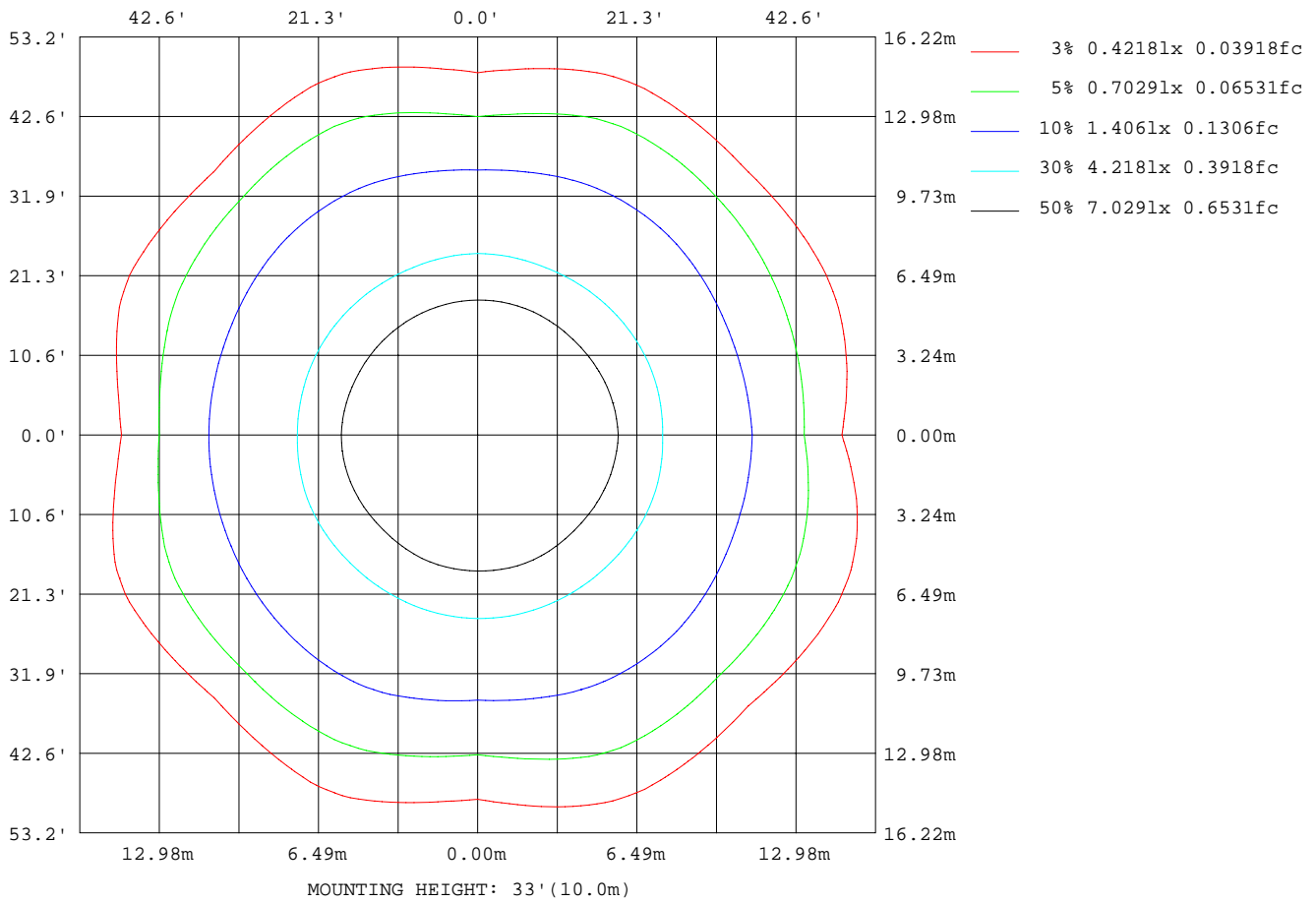
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-10-19

$\gamma$  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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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

**LED Avg.L Report**

Test:U:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	Shielding Angle:

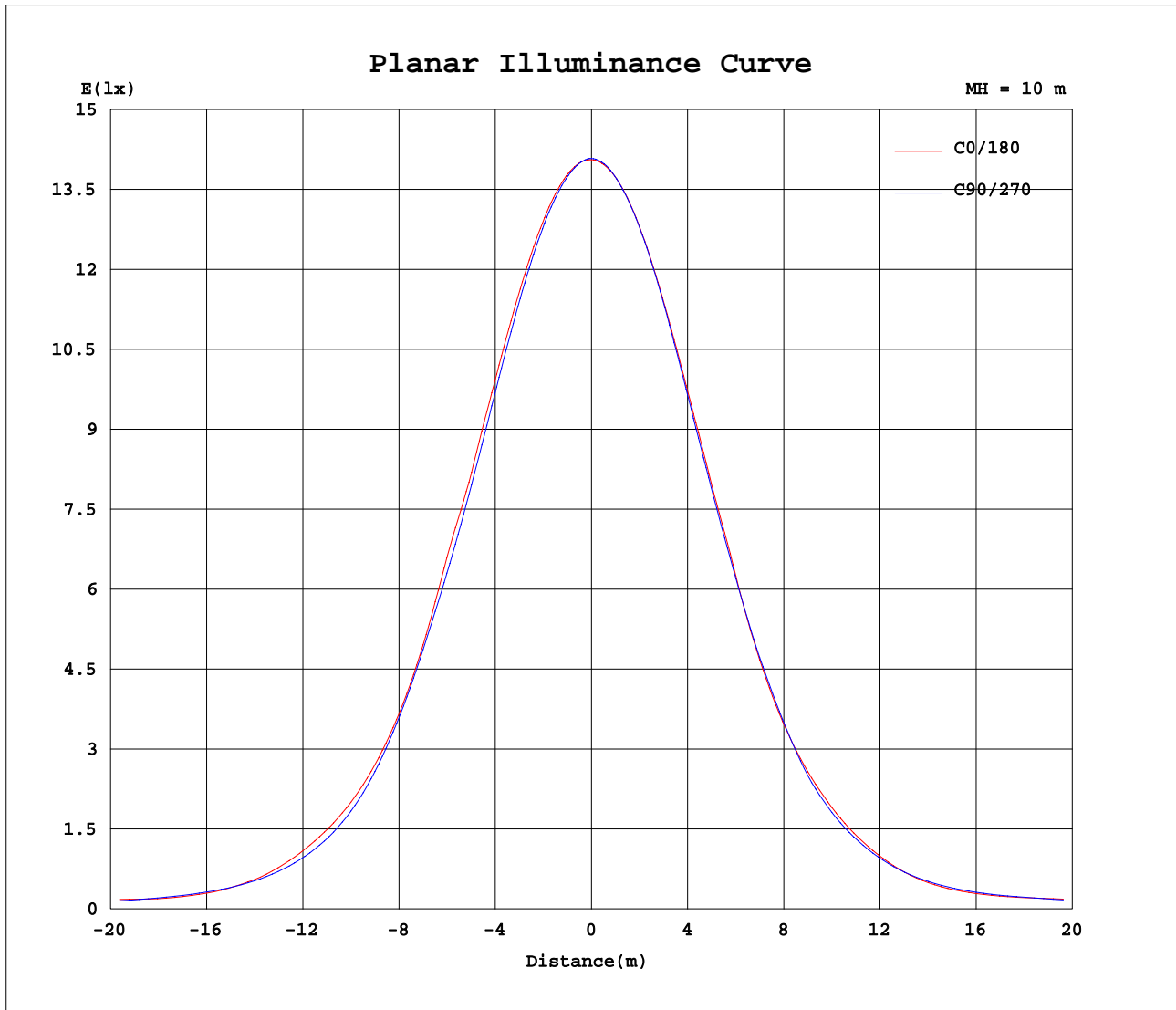
AvgL	cd/m2
L_0~180(65)av	3340
L_0~180(75)av	3449
L_0~180(85)av	3991
L_90~270(65)av	2649
L_90~270(75)av	3569
L_90~270(85)av	3715
L_45(65)av	1639
L_45(75)av	2521
L_45(85)av	3868

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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: 2023-10-19

$\gamma$  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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1406	1406	1406	1406	1406	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1408	1408	1408
5	1401	1401	1401	1401	1401	1401	1400	1400	1400	1400	1399	1399	1399	1399	1398	1398	1398	1398	1397
10	1379	1379	1379	1379	1378	1378	1377	1376	1375	1374	1373	1373	1373	1372	1372	1371	1370	1370	1369
15	1336	1337	1337	1336	1336	1335	1333	1331	1330	1328	1327	1326	1326	1325	1324	1323	1321	1320	1319
20	1271	1271	1271	1270	1269	1267	1264	1261	1259	1256	1255	1254	1253	1253	1251	1250	1248	1246	1245
25	1180	1178	1177	1175	1172	1169	1165	1161	1158	1155	1154	1154	1154	1154	1153	1151	1149	1146	1144
30	1074	1069	1063	1058	1052	1045	1037	1031	1025	1020	1022	1025	1029	1033	1034	1033	1031	1029	1026
35	901	905	907	908	908	905	901	896	891	887	886	885	885	886	886	886	886	886	885
40	725	737	745	750	750	744	733	720	708	698	702	708	715	722	724	720	715	710	705
45	567	565	564	564	564	567	571	576	579	582	580	577	573	566	557	546	535	525	519
50	422	426	430	434	438	443	448	453	457	459	460	458	455	449	436	417	398	383	372
55	269	297	319	337	349	354	351	346	339	332	338	343	348	349	339	318	296	276	261
60	174	206	231	249	259	257	245	229	213	200	208	218	230	240	239	227	214	201	192
65	202	208	209	207	201	185	163	141	122	107	120	137	156	175	181	176	168	159	151
70	164	162	157	151	143	131	115	99.9	87.2	78.3	84.7	95.0	108	122	133	140	147	151	154
75	128	123	118	113	108	102	95.4	89.4	84.5	81.2	82.2	84.9	88.9	93.9	100	107	114	119	123
80	97.5	94.8	92.5	90.6	89.1	88.4	88.3	88.4	88.5	88.5	86.9	85.2	83.6	82.2	82.3	83.8	85.3	86.6	87.3
85	54.4	53.2	52.3	51.5	50.9	50.7	50.9	51.0	51.2	51.3	50.9	50.4	49.7	48.7	47.3	45.4	43.7	42.3	41.4
90	2.80	3.01	3.23	3.46	3.69	3.89	4.07	4.29	4.59	4.98	5.95	6.93	7.81	8.47	8.35	7.46	6.43	5.41	4.57
95	38.3	38.9	39.3	39.7	39.9	39.2	37.9	37.1	37.3	38.8	44.7	52.1	60.6	70.0	81.1	93.1	104	113	118
100	48.2	39.1	36.5	40.4	50.9	70.0	97.2	129	164	202	242	281	317	349	371	383	389	390	387
105	433	435	445	463	490	533	590	649	704	749	753	748	736	723	722	734	747	758	765
110	1101	1113	1125	1136	1147	1159	1171	1182	1189	1192	1178	1161	1144	1130	1133	1151	1171	1190	1203
115	1629	1622	1617	1613	1611	1611	1615	1618	1620	1618	1602	1584	1566	1553	1555	1573	1592	1610	1623
120	2041	2033	2027	2022	2020	2021	2026	2031	2033	2033	2015	1996	1977	1961	1961	1975	1992	2008	2020
125	2419	2411	2405	2400	2398	2400	2406	2412	2417	2418	2402	2384	2366	2350	2347	2357	2369	2381	2389
130	2769	2761	2755	2750	2747	2748	2751	2754	2757	2757	2746	2732	2719	2707	2703	2708	2714	2720	2725
135	3082	3073	3066	3060	3056	3055	3056	3057	3058	3058	3050	3040	3031	3023	3020	3022	3025	3028	3031
140	3357	3346	3337	3330	3325	3322	3322	3323	3324	3324	3319	3313	3306	3300	3295	3294	3293	3292	3292
145	3597	3583	3571	3561	3554	3549	3548	3547	3547	3547	3542	3537	3531	3526	3522	3519	3517	3516	3516
150	3789	3774	3762	3752	3745	3740	3739	3739	3740	3740	3736	3730	3725	3719	3716	3713	3712	3711	3711
155	3949	3935	3923	3913	3905	3901	3899	3898	3898	3897	3893	3888	3883	3879	3875	3874	3873	3873	3873
160	4074	4060	4047	4036	4028	4022	4020	4018	4017	4017	4014	4011	4008	4006	4003	4001	3999	3997	3997
165	4165	4151	4139	4129	4121	4116	4113	4112	4111	4110	4107	4104	4100	4098	4097	4097	4099	4100	4102
170	4225	4210	4198	4188	4180	4176	4174	4173	4173	4173	4171	4169	4167	4165	4164	4164	4164	4164	4165
175	4254	4239	4227	4217	4209	4205	4204	4205	4207	4209	4208	4207	4206	4206	4206	4208	4210	4212	4214
180	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964xl lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1408	1408	1408	1409	1409	1409	1409	1409	1410	1410	1410	1411	1411	1410	1409	1408	1407	1406	1406
5	1397	1397	1398	1398	1398	1398	1398	1399	1399	1400	1400	1401	1401	1401	1400	1399	1397	1396	1396
10	1369	1369	1369	1369	1369	1369	1369	1369	1370	1371	1372	1372	1373	1373	1372	1371	1370	1369	1368
15	1319	1319	1319	1319	1319	1319	1318	1318	1318	1320	1321	1322	1323	1324	1323	1322	1321	1319	1318
20	1244	1243	1243	1243	1242	1241	1240	1239	1239	1241	1243	1245	1247	1248	1249	1248	1248	1247	1245
25	1143	1143	1142	1142	1140	1138	1136	1135	1134	1136	1139	1142	1145	1148	1149	1151	1151	1151	1149
30	1026	1025	1024	1023	1019	1013	1008	1003	1000	1003	1007	1013	1019	1023	1025	1027	1027	1027	1024
35	883	880	877	873	869	865	861	857	855	856	858	859	861	861	859	856	853	850	849
40	703	702	701	700	696	689	682	677	674	681	690	700	708	710	705	699	693	687	688
45	527	537	548	559	564	562	558	554	549	546	543	540	539	537	537	538	538	539	539
50	383	399	417	434	443	443	440	436	430	427	424	421	417	411	404	396	390	385	386
55	269	283	298	314	319	314	308	300	294	301	309	315	319	311	292	272	254	240	249
60	202	216	229	240	237	219	200	182	169	182	199	218	235	237	225	211	197	185	195
65	160	169	177	182	174	151	128	107	92.1	106	125	149	172	188	195	199	200	200	200
70	153	150	146	139	130	117	105	94.5	87.6	93.4	103	114	127	138	147	155	161	164	162
75	118	111	103	95.8	91.5	90.7	91.2	92.6	94.7	96.5	98.8	101	105	109	114	119	123	126	124
80	84.3	81.0	77.8	75.3	75.8	79.3	83.4	87.7	91.5	91.7	91.2	90.3	89.3	89.3	90.5	91.7	92.9	93.7	92.7
85	42.8	44.6	46.6	48.4	48.9	48.0	46.8	45.8	45.0	46.4	48.1	49.8	51.2	51.2	49.8	48.0	46.2	44.6	44.4
90	5.10	5.80	6.52	7.10	6.88	5.85	4.64	3.39	2.23	1.88	1.72	1.71	1.80	1.91	2.00	2.11	2.23	2.35	2.39
95	113	105	94.3	82.5	71.3	61.5	52.5	44.6	38.4	36.9	37.0	38.1	39.9	41.1	41.5	41.7	41.8	41.7	41.1
100	384	378	368	352	329	297	262	225	187	151	117	86.8	61.1	46.0	41.4	41.3	44.2	48.5	44.3
105	752	734	716	698	695	705	713	716	709	659	600	537	475	425	390	364	347	340	347
110	1186	1164	1139	1117	1108	1115	1124	1134	1142	1135	1124	1110	1093	1073	1050	1029	1012	1001	1013
115	1605	1582	1558	1535	1528	1535	1547	1560	1572	1571	1568	1564	1559	1558	1560	1562	1565	1567	1567
120	2004	1984	1963	1943	1939	1950	1964	1979	1993	1993	1989	1984	1979	1976	1977	1979	1980	1982	1980
125	2377	2361	2345	2331	2330	2342	2356	2371	2385	2383	2379	2373	2367	2363	2363	2363	2364	2365	2363
130	2717	2709	2700	2693	2694	2704	2715	2727	2737	2737	2735	2731	2727	2724	2724	2724	2724	2724	2721
135	3027	3021	3016	3012	3014	3020	3027	3035	3042	3042	3042	3041	3039	3040	3041	3043	3044	3045	3041
140	3290	3288	3286	3286	3289	3295	3302	3308	3314	3315	3315	3314	3313	3314	3317	3320	3322	3323	3319
145	3516	3516	3518	3520	3524	3530	3536	3542	3547	3548	3549	3549	3550	3552	3557	3561	3564	3566	3560
150	3710	3711	3712	3715	3719	3724	3730	3736	3742	3744	3746	3748	3750	3754	3760	3765	3768	3770	3762
155	3873	3873	3874	3876	3880	3885	3891	3897	3903	3906	3909	3911	3914	3918	3924	3929	3932	3933	3925
160	3997	3999	4001	4004	4008	4013	4018	4023	4028	4032	4036	4039	4043	4048	4053	4058	4061	4062	4055
165	4103	4104	4105	4107	4109	4112	4116	4120	4124	4128	4132	4136	4140	4146	4152	4158	4162	4163	4154
170	4166	4166	4167	4169	4171	4175	4180	4184	4189	4193	4197	4201	4206	4211	4218	4224	4228	4229	4220
175	4214	4213	4213	4213	4214	4217	4220	4224	4227	4231	4234	4237	4240	4244	4248	4251	4253	4252	4244
180	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1406	1406	1406	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1408	1408	1408	1408	1408
5	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1396	1397	1397	1397	1398
10	1367	1367	1366	1366	1366	1365	1365	1365	1364	1364	1363	1363	1364	1364	1365	1366	1368	1368	1369
15	1317	1316	1315	1315	1314	1313	1313	1312	1312	1311	1311	1311	1311	1313	1314	1316	1317	1318	1319
20	1243	1241	1239	1237	1236	1235	1234	1233	1233	1232	1232	1233	1234	1235	1236	1238	1239	1240	1241
25	1146	1142	1139	1136	1133	1131	1130	1129	1128	1128	1129	1130	1131	1132	1134	1136	1137	1138	1139
30	1020	1016	1011	1007	1003	1000	998	996	997	999	1002	1005	1007	1009	1011	1012	1013	1014	1014
35	848	848	848	847	846	845	844	843	842	841	841	841	843	847	851	855	858	857	855
40	690	692	694	693	688	683	678	672	669	667	665	665	667	671	676	680	685	687	688
45	539	540	540	541	543	544	544	544	541	537	533	529	525	521	517	514	513	514	517
50	389	393	399	406	414	422	430	436	441	444	445	443	432	414	396	380	369	379	394
55	264	281	298	306	306	303	300	298	308	317	326	331	324	305	286	267	254	266	284
60	207	220	231	230	217	202	188	177	188	202	217	231	234	226	216	205	196	203	211
65	200	196	190	176	154	133	115	102	115	132	153	172	182	182	178	173	167	169	170
70	157	150	142	131	119	107	97.3	90.7	95.4	103	113	123	132	139	144	148	150	146	141
75	121	117	113	110	108	106	104	103	102	101	102	103	109	118	127	135	140	136	130
80	91.3	90.0	88.9	89.0	90.4	92.0	93.6	94.9	94.1	93.1	91.9	90.9	91.0	92.4	93.7	94.9	95.5	93.4	90.8
85	44.5	44.8	45.2	45.6	45.8	46.1	46.4	46.8	47.4	48.0	48.6	49.2	49.8	50.2	50.6	50.7	50.8	50.2	49.6
90	2.42	2.43	2.44	2.44	2.43	2.43	2.46	2.53	2.75	3.00	3.26	3.51	3.65	3.69	3.74	3.83	3.99	4.58	5.19
95	40.3	39.5	38.6	37.2	35.7	34.7	34.5	35.4	39.1	44.2	50.6	58.2	68.6	81.2	93.2	104	111	110	105
100	41.3	40.7	43.7	53.9	71.9	94.9	123	155	199	244	289	329	357	370	378	381	380	382	381
105	363	388	420	465	519	575	627	673	689	697	701	701	708	721	734	745	754	748	740
110	1030	1052	1075	1093	1107	1118	1126	1132	1129	1125	1121	1119	1127	1146	1165	1183	1197	1188	1174
115	1566	1565	1564	1563	1564	1564	1563	1562	1554	1546	1540	1537	1545	1565	1586	1605	1619	1609	1595
120	1979	1977	1976	1977	1981	1984	1986	1987	1976	1964	1953	1945	1950	1967	1985	2003	2018	2010	1998
125	2362	2361	2360	2362	2367	2372	2375	2377	2369	2360	2351	2343	2345	2355	2367	2379	2388	2384	2377
130	2718	2715	2713	2714	2717	2721	2724	2727	2722	2716	2710	2706	2706	2712	2719	2726	2733	2734	2734
135	3036	3031	3027	3026	3027	3029	3031	3032	3029	3025	3022	3019	3021	3025	3031	3037	3043	3045	3046
140	3314	3308	3303	3299	3298	3298	3298	3298	3296	3295	3294	3294	3294	3295	3297	3298	3301	3303	3305
145	3552	3544	3537	3532	3530	3530	3530	3531	3530	3530	3529	3529	3527	3525	3523	3521	3521	3525	3530
150	3754	3744	3735	3729	3727	3727	3727	3728	3726	3725	3723	3721	3719	3716	3714	3713	3713	3716	3721
155	3916	3905	3895	3889	3887	3887	3887	3887	3886	3885	3884	3883	3881	3880	3878	3878	3878	3881	3885
160	4045	4034	4024	4017	4014	4012	4011	4010	4010	4009	4009	4009	4007	4005	4003	4001	4001	4003	4007
165	4143	4132	4120	4113	4110	4108	4107	4107	4106	4105	4104	4103	4102	4100	4099	4099	4099	4104	4110
170	4208	4196	4184	4177	4175	4175	4175	4176	4174	4172	4170	4168	4166	4166	4165	4166	4167	4168	4171
175	4234	4223	4213	4207	4206	4206	4207	4209	4210	4211	4212	4213	4213	4213	4212	4212	4212	4213	4215
180	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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:229.64V I:0.4373A P:98.794W PF:0.9839 Freq:49.99Hz Lamp Flux:14964x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.:	SUR.:0.556*0.256	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	1408	1409	1409	1409	1409	1409	1410	1410	1410	1411	1411	1410	1410	1409	1407				
5	1398	1399	1399	1400	1401	1402	1403	1403	1404	1404	1404	1404	1404	1403	1402				
10	1370	1370	1371	1373	1374	1376	1377	1378	1379	1380	1381	1381	1381	1381	1380				
15	1320	1320	1322	1323	1325	1327	1329	1331	1333	1334	1336	1337	1337	1337	1337				
20	1242	1244	1245	1247	1249	1251	1254	1256	1259	1262	1265	1267	1268	1270	1270				
25	1140	1140	1142	1143	1145	1147	1149	1152	1156	1159	1163	1167	1170	1173	1176				
30	1014	1014	1013	1011	1010	1010	1011	1017	1024	1032	1041	1049	1055	1062	1068				
35	854	853	855	860	866	872	878	884	890	894	898	901	903	903	903				
40	690	690	691	690	691	692	695	704	714	724	733	738	738	737	732				
45	521	526	533	541	549	557	564	566	566	566	565	565	565	566	566				
50	412	429	440	444	444	443	439	433	426	419	413	410	410	412	416				
55	303	322	332	332	329	324	318	317	316	314	311	306	299	291	280				
60	219	226	223	211	198	186	177	188	201	215	227	231	225	214	197				
65	170	168	157	138	119	103	92.5	108	129	153	177	193	201	206	206				
70	134	125	115	104	94.2	86.8	82.9	92.2	105	119	134	146	153	159	162				
75	122	114	107	102	97.6	94.3	92.4	92.7	94.4	97.1	101	105	110	115	122				
80	88.0	85.3	83.5	82.9	82.8	83.1	83.7	84.7	86.0	87.5	89.1	90.7	92.3	94.0	95.7				
85	48.9	48.2	47.9	48.0	48.2	48.5	48.8	48.7	48.7	48.8	49.0	49.5	50.4	51.5	52.8				
90	5.75	6.18	6.13	5.62	4.97	4.28	3.62	3.39	3.26	3.18	3.15	3.10	3.02	2.94	2.87				
95	98.3	89.2	78.5	67.0	55.5	45.0	36.2	34.0	33.7	34.8	36.6	37.8	38.0	38.1	38.2				
100	376	367	350	324	295	262	227	188	149	112	79.3	56.2	43.4	37.9	39.5				
105	731	723	725	737	748	753	750	713	668	618	568	527	496	471	450				
110	1159	1145	1142	1149	1158	1169	1180	1187	1192	1194	1192	1184	1170	1152	1129				
115	1579	1564	1560	1568	1580	1593	1607	1616	1623	1629	1634	1637	1637	1636	1633				
120	1985	1974	1974	1985	2000	2016	2031	2038	2043	2046	2048	2048	2048	2047	2044				
125	2370	2365	2368	2380	2394	2408	2422	2426	2428	2429	2428	2427	2426	2425	2422				
130	2734	2735	2738	2744	2750	2757	2764	2770	2775	2778	2781	2782	2781	2779	2775				
135	3047	3049	3052	3056	3061	3067	3072	3078	3082	3087	3090	3091	3091	3089	3086				
140	3308	3311	3315	3321	3327	3333	3339	3346	3352	3357	3362	3364	3365	3364	3361				
145	3536	3543	3549	3554	3559	3565	3570	3575	3579	3583	3587	3590	3593	3595	3596				
150	3727	3734	3740	3746	3752	3757	3762	3766	3770	3773	3776	3779	3782	3784	3787				
155	3889	3894	3900	3905	3910	3915	3920	3924	3928	3932	3936	3939	3942	3945	3947				
160	4012	4018	4023	4027	4032	4037	4041	4046	4050	4054	4058	4062	4065	4069	4072				
165	4116	4122	4126	4129	4131	4133	4134	4138	4141	4145	4149	4152	4156	4159	4162				
170	4174	4177	4180	4182	4185	4188	4192	4196	4201	4206	4211	4214	4218	4220	4223				
175	4217	4219	4220	4222	4224	4226	4228	4231	4235	4238	4242	4245	4247	4250	4252				
180	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258	4258				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-19

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: