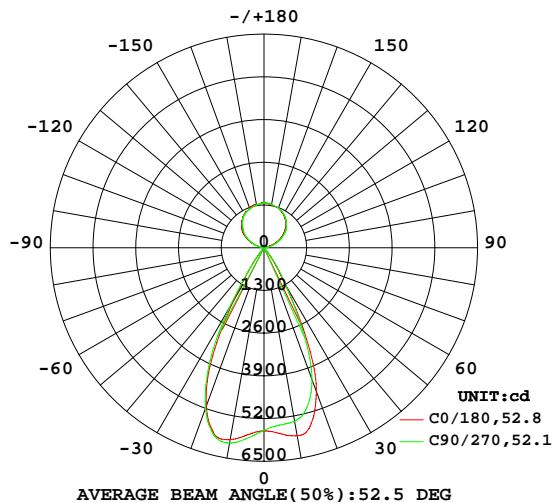


## LUMINAIRE PHOTOMETRIC TEST REPORT

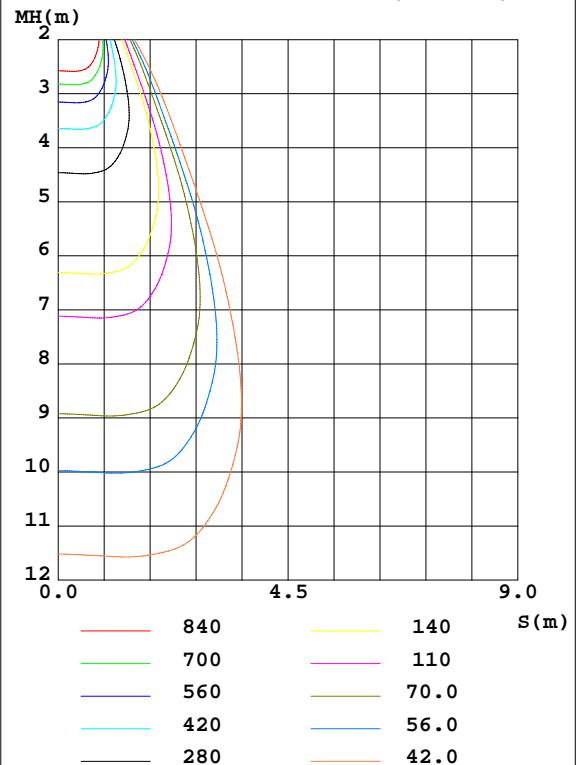
Test:U:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.64 lm/W			
MODEL		Imax(cd)	6090	S/MH(C0/180)	0.75
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7828.4	$\eta$ UP,DN(C0-180)	24.7,24.2
NOMINAL FLUX(lm)	7828.36	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	23.9,27.2
LAMPS INSIDE	1	$\eta$ up(%)	48.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	51.4	CIBSE SHR MAX	0.75

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:2023-02-09

$\gamma$  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:

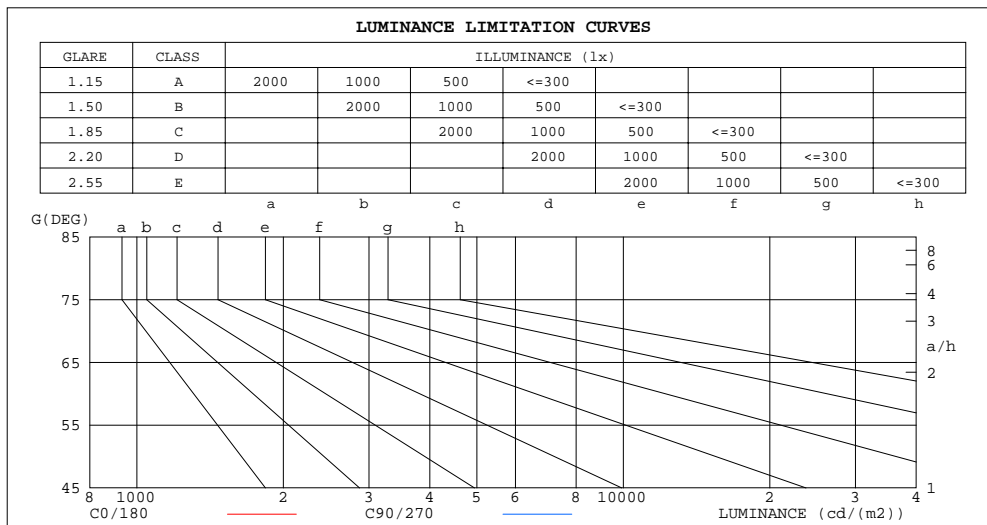
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	5808	5514	5361	5577	5925	6063	6035	5967	0- 10	544.6	544.6	6.96,6.96
20	4659	4330	4277	4638	5126	5305	5199	4991	10- 20	1541	2085	26.6,26.6
30	1305	1278	1374	1525	1825	2141	2103	1650	20- 30	1501	3586	45.8,45.8
40	93.26	171.2	193.8	223.6	145.6	108.6	72.04	89.40	30- 40	417.0	4003	51.1,51.1
50	0.6620	1.794	0.7076	2.905	0.7266	2.140	0.6076	1.544	40- 50	21.89	4025	51.4,51.4
60	0.3091	0.3095	0.2410	0.3008	0.2875	0.2751	0.1890	0.2747	50- 60	0.4273	4025	51.4,51.4
70	0.2543	0.2231	0.1464	0.1954	0.2807	0.2708	0.1890	0.2550	60- 70	0.2418	4026	51.4,51.4
80	0.2747	0.2347	0.1460	0.1911	0.3694	0.2921	0.2233	0.2785	70- 80	0.2433	4026	51.4,51.4
90	0.4639	0.8245	0.1460	0.3265	3.902	0.4811	1.921	2.434	80- 90	0.3304	4026	51.4,51.4
100	37.87	41.99	102.0	59.67	59.36	47.88	73.89	34.39	90-100	21.84	4048	51.7,51.7
110	284.0	315.5	370.1	353.6	358.7	320.2	321.0	287.4	100-110	185.8	4234	54.1,54.1
120	590.1	596.6	638.1	636.9	632.7	590.0	588.9	565.0	110-120	459.3	4693	59.9,59.9
130	835.7	844.9	883.1	868.9	872.5	828.9	822.0	812.9	120-130	648.1	5341	68.2,68.2
140	1032	1035	1058	1056	1052	1010	1029	1010	130-140	726.7	6068	77.5,77.5
150	1181	1175	1195	1192	1190	1165	1175	1159	140-150	694.6	6762	86.4,86.4
160	1283	1266	1286	1289	1283	1278	1260	1261	150-160	567.7	7330	93.6,93.6
170	1326	1328	1341	1339	1344	1332	1322	1320	160-170	370.0	7700	98.4,98.4
180	1372	1372	1372	1372	1372	1372	1372	1372	170-180	128.3	7828	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:2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	83	29
80	27	14
75	17	10
70	13	7
65	10	8
60	11	8
55	12	11
50	18	19
45	82	315

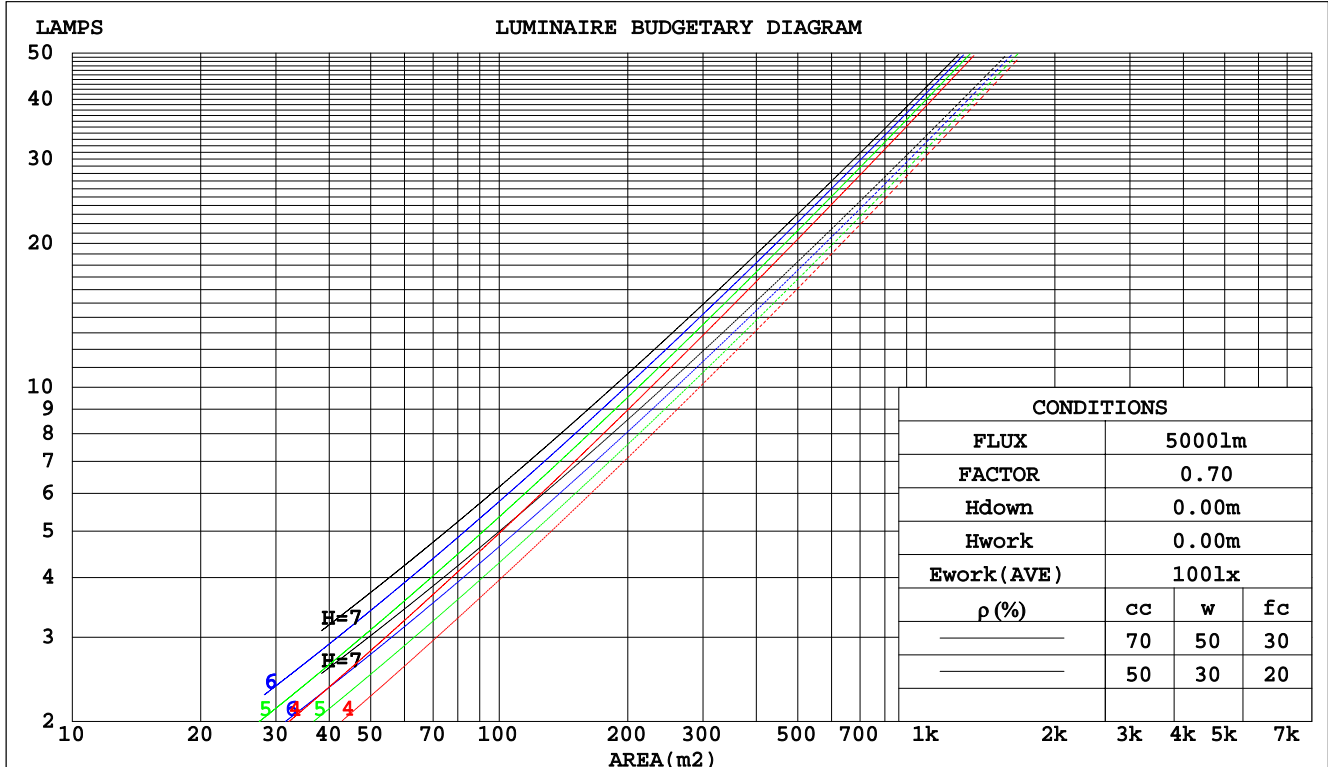
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.98	.95	.92	.91	.88	.86	.78	.76	.75	.66	.65	.64	.55	.54	.54	.49
2.0	.89	.84	.81	.83	.79	.76	.72	.69	.67	.62	.60	.59	.52	.51	.50	.46
3.0	.82	.76	.72	.77	.72	.68	.67	.64	.61	.58	.56	.54	.50	.49	.47	.44
4.0	.75	.69	.65	.71	.66	.62	.63	.59	.56	.55	.52	.50	.48	.46	.45	.41
5.0	.70	.63	.59	.66	.60	.56	.58	.55	.51	.52	.49	.47	.45	.44	.42	.39
6.0	.65	.58	.54	.61	.56	.52	.55	.51	.48	.49	.46	.44	.43	.41	.40	.37
7.0	.60	.54	.50	.57	.52	.48	.52	.47	.44	.46	.43	.41	.41	.39	.38	.35
8.0	.56	.50	.46	.54	.48	.45	.49	.44	.42	.44	.41	.39	.39	.37	.36	.34
9.0	.53	.47	.43	.51	.45	.42	.46	.42	.39	.42	.39	.36	.38	.35	.34	.32
10.0	.50	.44	.40	.48	.42	.39	.44	.39	.37	.40	.37	.34	.36	.34	.32	.30



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm								
NAME: 6986302			TYPE:			WEIGHT:		
SPEC.:			DIM.: 1179*64*35			SERIAL No.:		
MFR.: A3592392A-07			SUR.:1.168*0.05			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	.207	.118	.037	.186	.106	.034	.145	.083	.027	.109	.063	.020	.074	.043	.014	
2.0	.193	.106	.032	.173	.095	.029	.137	.076	.024	.103	.058	.018	.072	.041	.013	
3.0	.180	.096	.029	.162	.087	.026	.129	.070	.021	.099	.054	.017	.070	.039	.012	
4.0	.168	.087	.026	.152	.080	.024	.122	.065	.019	.094	.050	.015	.068	.037	.011	
5.0	.158	.081	.023	.143	.074	.021	.116	.060	.018	.090	.047	.014	.066	.035	.011	
6.0	.149	.075	.021	.135	.068	.020	.110	.056	.016	.086	.045	.013	.063	.033	.010	
7.0	.141	.070	.020	.128	.064	.018	.104	.053	.015	.082	.042	.012	.061	.032	.009	
8.0	.133	.065	.018	.122	.060	.017	.100	.050	.014	.079	.040	.012	.059	.030	.009	
9.0	.126	.061	.017	.116	.056	.016	.095	.047	.013	.076	.038	.011	.057	.029	.008	
10.0	.120	.058	.016	.110	.053	.015	.091	.045	.013	.073	.036	.010	.055	.028	.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	.561	.561	.561	.479	.479	.479	.327	.327	.327	.188	.188	.188	.060	.060	.060	
1.0	.546	.530	.516	.467	.455	.444	.320	.313	.307	.184	.181	.178	.059	.058	.058	
2.0	.535	.508	.486	.458	.437	.420	.314	.303	.293	.181	.176	.172	.058	.057	.056	
3.0	.525	.491	.465	.450	.424	.403	.309	.294	.283	.178	.172	.167	.057	.056	.055	
4.0	.516	.478	.450	.443	.413	.391	.305	.288	.275	.176	.169	.163	.057	.055	.054	
5.0	.509	.468	.439	.437	.405	.382	.301	.283	.269	.174	.166	.160	.056	.054	.053	
6.0	.502	.460	.430	.432	.399	.375	.298	.279	.265	.173	.164	.158	.056	.054	.052	
7.0	.496	.454	.424	.427	.393	.369	.295	.276	.262	.171	.162	.156	.055	.053	.052	
8.0	.491	.448	.419	.422	.389	.365	.292	.273	.259	.170	.161	.154	.055	.053	.051	
9.0	.486	.444	.415	.419	.385	.362	.290	.271	.257	.169	.160	.153	.055	.052	.051	
10.0	.481	.440	.412	.415	.382	.359	.288	.269	.255	.168	.159	.152	.054	.052	.051	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm											
NAME: 6986302					TYPE:			WEIGHT:			
SPEC.:					DIM.: 1179*64*35			SERIAL No.:			
MFR.: A3592392A-07					SUR.:1.168*0.05			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		5.6	6.3	6.4	7.1	8.1	6.4	7.1	7.3	7.9	8.9
3H		5.3	5.9	6.2	6.8	7.8	6.1	6.8	7.0	7.6	8.6
4H		5.1	5.7	6.0	6.6	7.6	6.0	6.5	6.8	7.4	8.4
6H		5.0	5.5	5.9	6.4	7.5	5.8	6.3	6.7	7.2	8.3
8H		4.9	5.4	5.8	6.3	7.4	5.7	6.2	6.6	7.1	8.2
12H		4.8	5.3	5.7	6.2	7.3	5.6	6.1	6.5	7.0	8.1
4H 2H		5.1	5.7	6.0	6.6	7.6	6.0	6.5	6.8	7.4	8.4
3H		4.8	5.3	5.7	6.2	7.3	5.6	6.1	6.5	7.0	8.1
4H		4.6	5.1	5.6	6.0	7.1	5.4	5.9	6.4	6.8	7.9
6H		4.4	4.8	5.4	5.8	7.0	5.3	5.6	6.2	6.6	7.8
8H		4.3	4.7	5.3	5.6	6.9	5.2	5.5	6.1	6.5	7.7
12H		4.2	4.6	5.2	5.5	6.8	5.1	5.4	6.1	6.3	7.6
8H 4H		4.3	4.7	5.3	5.6	6.9	5.2	5.5	6.1	6.5	7.7
6H		4.2	4.4	5.2	5.4	6.7	5.0	5.3	6.0	6.2	7.5
8H		4.1	4.3	5.1	5.3	6.6	4.9	5.1	5.9	6.1	7.4
12H		4.0	4.2	5.0	5.2	6.5	4.8	5.0	5.8	6.0	7.3
12H 4H		4.2	4.6	5.2	5.5	6.8	5.1	5.4	6.1	6.3	7.6
6H		4.1	4.3	5.1	5.3	6.6	4.9	5.1	5.9	6.1	7.4
8H		4.0	4.2	5.0	5.2	6.5	4.8	5.0	5.8	6.0	7.3
Variations with the observer position at spacings:											
S = 1.0H		+ 4.2 / -23.1				+ 4.5 / -28.4					
1.5H		+ 7.0 / -23.0				+ 7.3 / -28.2					
2.0H		+ 3.1 / - 1.0				+ 8.3 / - 7.0					

CIE Pub.117, 7828 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.1$ )

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

$\gamma$  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:

## UTILIZATION FACTORS TABLE

Test:U:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:

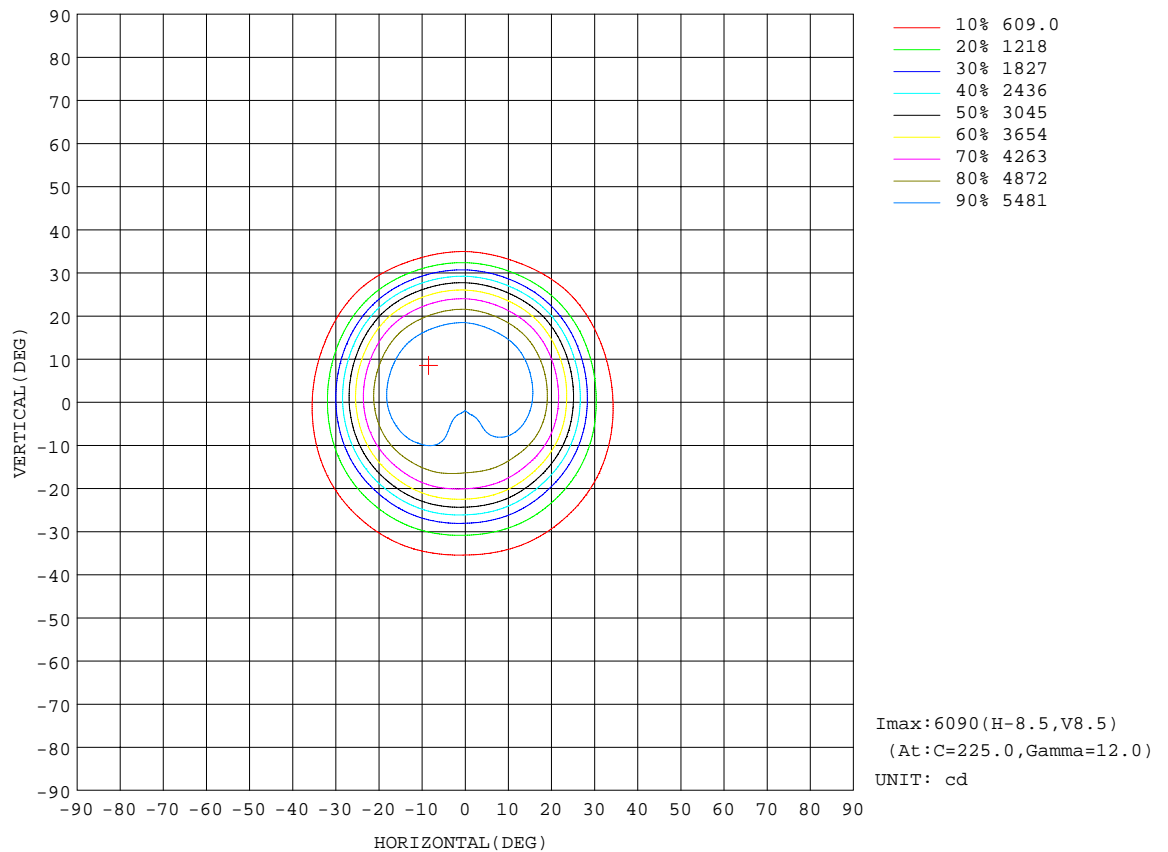
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	54	49	59	52	48	55	50	47	41
0.80	70	61	57	67	59	55	61	56	52	44
1.00	75	67	62	71	64	60	64	60	56	46
1.25	80	72	67	76	69	65	68	63	60	48
1.50	84	76	71	79	73	68	70	66	63	49
2.00	89	82	77	83	77	73	73	69	66	49
2.50	92	86	81	86	81	77	75	72	69	50
3.00	94	89	84	88	83	80	76	73	71	50
4.00	97	93	89	91	87	84	78	76	74	51
5.00	99	96	92	92	89	87	80	78	76	51
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:2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:



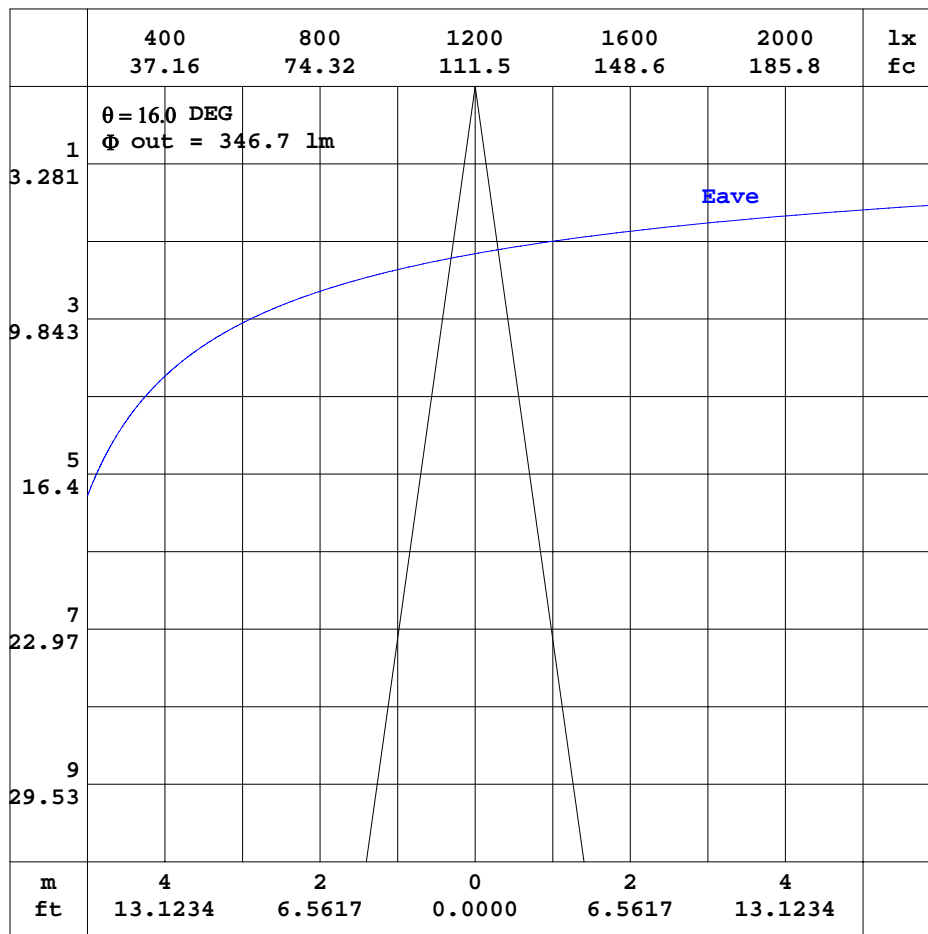
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

$\gamma$  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 CURVES

Test:U:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:



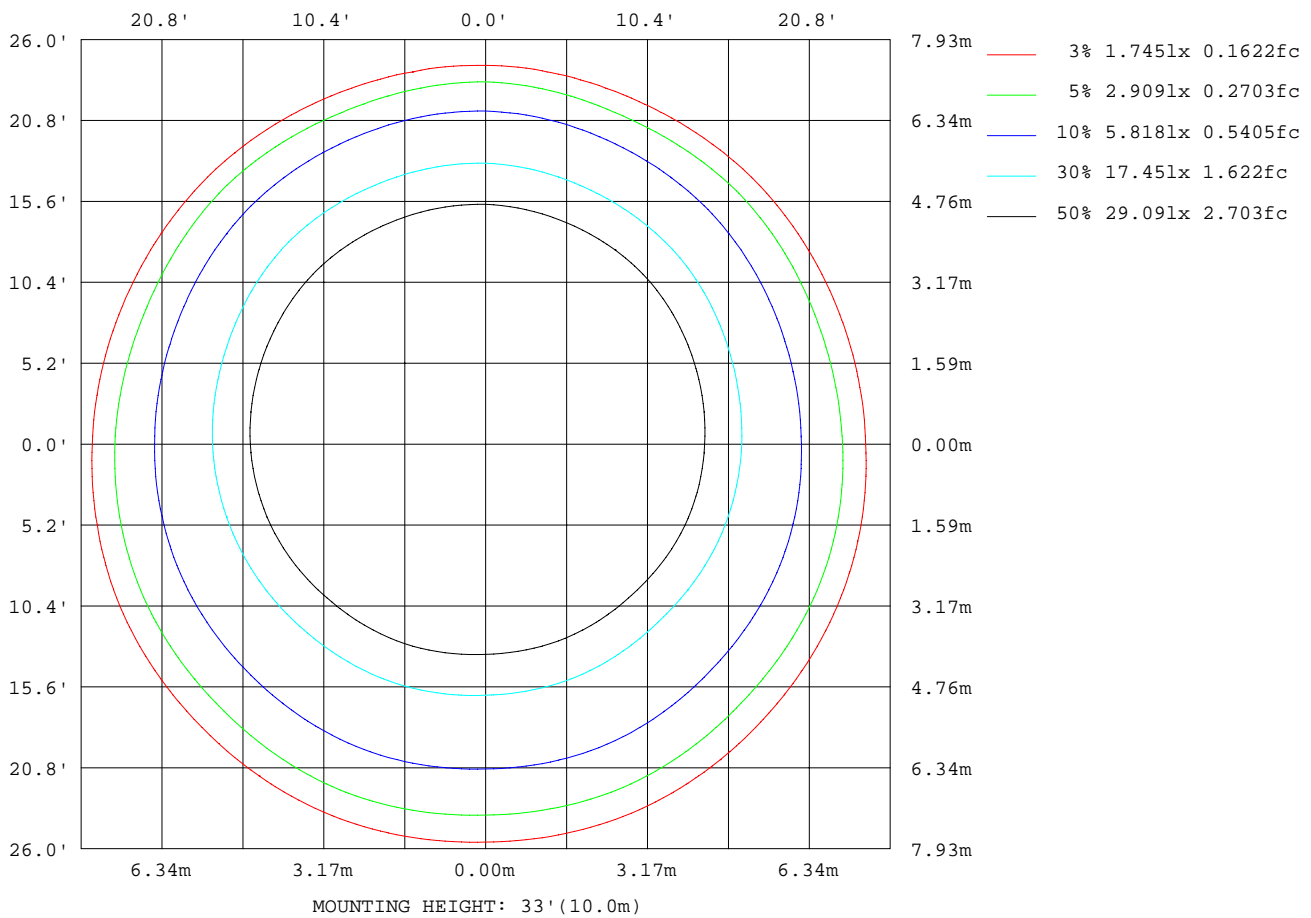
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm		
NAME: 6986302	TYPE:	WEIGHT:
SPEC.:	DIM.: 1179*64*35	SERIAL No.:
MFR.: A3592392A-07	SUR.:1.168*0.05	Shielding Angle:

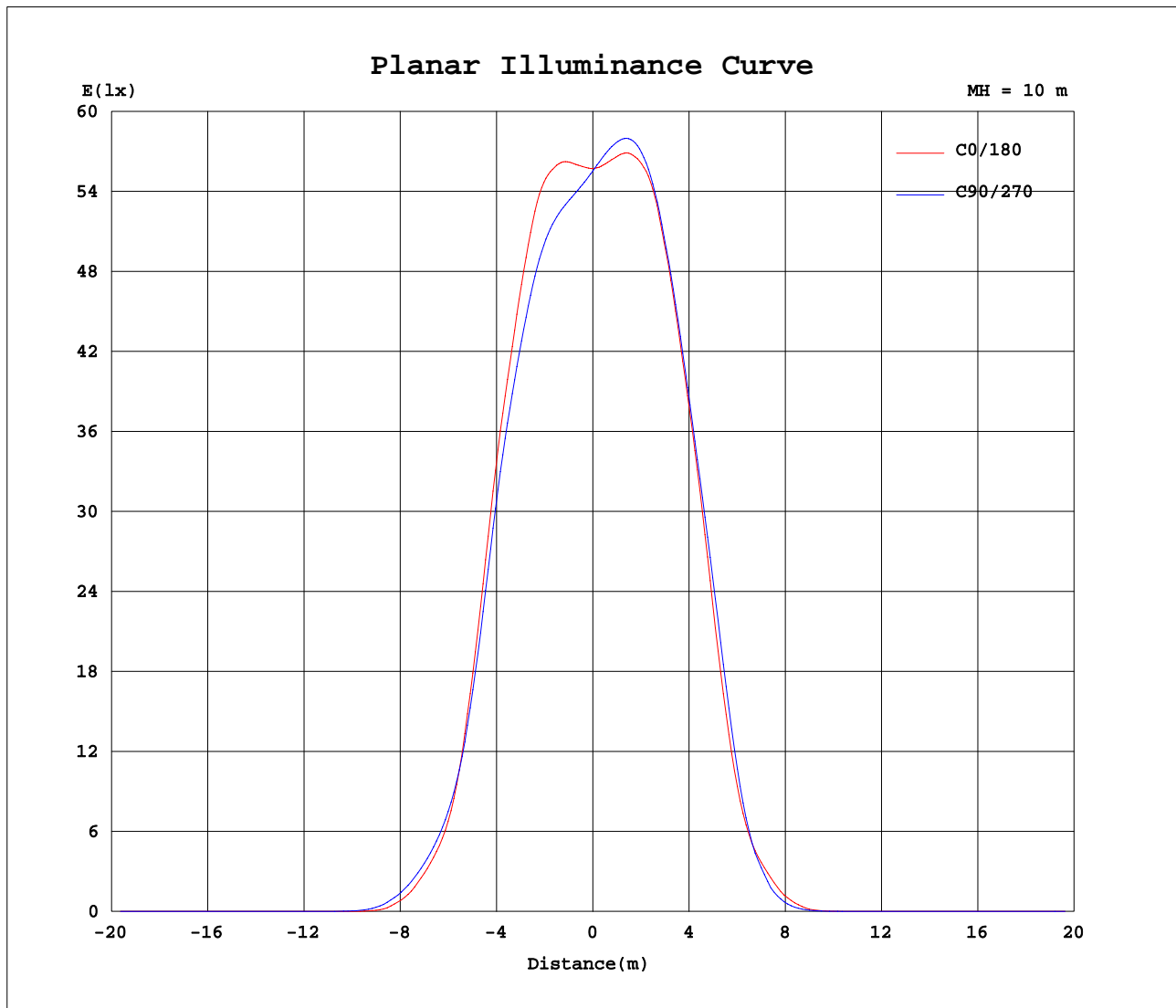
AvgL	cd/m2
L_0~180(65)av	11
L_0~180(75)av	19
L_0~180(85)av	89
L_90~270(65)av	8
L_90~270(75)av	11
L_90~270(85)av	38
L_45(65)av	10
L_45(75)av	15
L_45(85)av	56

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

$\gamma$  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: 2023-02-09

$\gamma$  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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm																	
NAME: 6986302									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1179*64*35						SERIAL No.:		
MFR.: A3592392A-07									SUR.:1.168*0.05						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	5573	5577	5579	5581	5581	5579	5575	5571	5566	5563	5565	5568	5571	5573	5572	5567	5562	5557	5553
5	5679	5662	5645	5627	5609	5588	5567	5545	5525	5506	5492	5479	5469	5459	5448	5438	5429	5422	5418
10	5808	5780	5750	5719	5688	5654	5617	5582	5547	5514	5487	5462	5440	5421	5403	5386	5373	5364	5361
15	5549	5517	5482	5446	5407	5363	5315	5268	5222	5180	5151	5127	5107	5091	5073	5056	5043	5037	5039
20	4659	4634	4607	4576	4543	4502	4456	4411	4368	4330	4311	4298	4289	4285	4278	4270	4267	4268	4277
25	3074	3039	3004	2967	2930	2887	2839	2794	2756	2727	2729	2740	2757	2777	2787	2787	2788	2794	2807
30	1305	1303	1300	1298	1295	1290	1284	1280	1277	1278	1289	1303	1318	1334	1345	1351	1357	1364	1374
35	524	539	552	563	572	578	581	583	586	590	602	616	629	642	650	653	654	656	658
40	93.3	99.8	107	115	123	132	142	152	162	171	178	185	190	194	195	195	194	194	194
45	3.38	3.30	3.74	4.70	6.18	8.63	11.9	15.3	18.6	21.4	22.5	22.9	22.8	22.1	20.5	18.2	15.9	14.1	13.0
50	0.66	0.58	0.55	0.58	0.65	0.83	1.08	1.35	1.60	1.79	1.77	1.69	1.56	1.39	1.22	1.05	0.89	0.77	0.71
55	0.40	0.36	0.33	0.32	0.31	0.33	0.36	0.40	0.43	0.46	0.43	0.39	0.35	0.32	0.30	0.31	0.33	0.35	0.36
60	0.31	0.29	0.27	0.26	0.26	0.26	0.28	0.29	0.30	0.31	0.29	0.26	0.23	0.20	0.19	0.20	0.21	0.23	0.24
65	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.22	0.20	0.19	0.18	0.19	0.19	0.19	0.20
70	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.15	0.15
75	0.25	0.26	0.26	0.25	0.25	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.18	0.17	0.16	0.15	0.15	0.15
80	0.27	0.28	0.29	0.29	0.29	0.28	0.27	0.26	0.25	0.23	0.22	0.20	0.19	0.17	0.16	0.16	0.15	0.15	0.15
85	0.42	0.41	0.39	0.37	0.36	0.34	0.32	0.30	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16	0.15	0.15
90	0.46	0.44	0.41	0.38	0.36	0.34	0.33	0.31	0.30	0.82	0.27	0.25	0.23	0.21	0.20	0.18	0.17	0.16	0.15
95	4.36	4.27	4.27	4.37	4.57	4.84	5.19	5.67	6.28	7.05	7.88	8.93	10.3	11.9	14.7	18.3	21.8	24.9	27.0
100	37.9	38.2	38.5	38.9	39.3	38.9	37.8	37.6	38.8	42.0	52.7	64.9	77.4	89.2	96.9	100	102	102	102
105	90.5	83.1	80.2	81.7	87.6	101	120	142	163	183	192	198	203	207	212	219	225	231	234
110	284	291	297	303	307	310	311	312	314	315	320	326	333	339	347	354	361	366	370
115	450	450	449	449	450	450	450	451	452	455	460	467	474	481	489	496	503	508	512
120	590	587	585	584	584	585	587	590	593	597	601	606	611	617	622	628	632	636	638
125	720	715	712	710	710	711	715	719	723	728	731	734	737	741	746	753	760	765	768
130	836	831	827	825	824	826	830	834	840	845	848	851	854	857	862	869	875	880	883
135	940	935	932	930	929	930	933	937	942	946	949	951	953	956	959	963	967	969	971
140	1032	1029	1027	1026	1026	1026	1028	1030	1032	1035	1037	1039	1041	1043	1046	1050	1053	1056	1058
145	1112	1111	1110	1109	1108	1108	1109	1109	1110	1111	1112	1114	1116	1118	1121	1123	1126	1128	1131
150	1181	1180	1179	1178	1177	1176	1175	1175	1175	1175	1177	1179	1181	1184	1186	1189	1191	1194	1195
155	1238	1236	1235	1234	1233	1232	1231	1230	1229	1229	1230	1231	1233	1235	1238	1241	1245	1248	1250
160	1283	1282	1281	1279	1278	1275	1272	1269	1267	1266	1269	1273	1277	1281	1284	1285	1286	1286	1286
165	1303	1296	1291	1288	1287	1289	1293	1299	1305	1310	1311	1310	1310	1308	1308	1308	1309	1310	1311
170	1326	1324	1323	1322	1322	1322	1323	1324	1326	1328	1331	1335	1338	1340	1342	1343	1343	1342	1341
175	1355	1353	1352	1352	1352	1352	1353	1354	1356	1357	1358	1359	1360	1360	1361	1361	1362	1362	1362
180	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm																		
NAME: 6986302									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1179*64*35					SERIAL No.:				
MFR.: A3592392A-07									SUR.:1.168*0.05					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	5555	5559	5562	5565	5565	5561	5557	5552	5548	5547	5546	5547	5548	5552	5557	5562	5567	5573	5576
5	5422	5428	5437	5448	5459	5469	5481	5494	5508	5525	5544	5564	5585	5609	5635	5661	5687	5713	5735
10	5370	5384	5404	5427	5453	5480	5510	5543	5577	5613	5651	5689	5729	5770	5811	5851	5889	5925	5954
15	5060	5090	5125	5166	5207	5247	5290	5336	5386	5444	5504	5565	5625	5682	5736	5785	5830	5870	5897
20	4304	4339	4378	4421	4463	4503	4545	4590	4638	4698	4761	4824	4887	4944	4996	5044	5087	5126	5155
25	2843	2887	2935	2986	3031	3069	3109	3152	3201	3270	3344	3421	3498	3568	3631	3691	3746	3796	3839
30	1394	1417	1440	1462	1479	1489	1498	1510	1525	1552	1584	1618	1654	1689	1723	1757	1791	1825	1856
35	668	678	688	697	702	701	699	696	693	696	699	701	702	700	695	688	680	670	656
40	199	205	211	217	222	224	226	226	224	218	211	203	193	184	174	164	154	146	139
45	15.2	18.2	21.5	25.0	27.9	30.1	31.6	32.1	31.6	27.9	23.3	18.3	13.4	9.92	7.98	6.66	5.87	5.54	5.57
50	0.80	0.95	1.15	1.39	1.72	2.10	2.45	2.73	2.90	2.65	2.29	1.88	1.45	1.13	0.95	0.82	0.75	0.73	0.77
55	0.35	0.33	0.32	0.32	0.34	0.38	0.43	0.47	0.50	0.48	0.44	0.40	0.36	0.34	0.33	0.33	0.34	0.35	0.38
60	0.23	0.21	0.19	0.18	0.19	0.21	0.25	0.28	0.30	0.29	0.28	0.26	0.25	0.24	0.25	0.26	0.27	0.29	0.31
65	0.19	0.17	0.16	0.16	0.16	0.18	0.20	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.26	0.27	0.28	0.29
70	0.15	0.15	0.15	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28
75	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.24	0.26	0.27	0.29	0.30	0.31	0.30
80	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.21	0.23	0.25	0.27	0.30	0.32	0.34	0.36	0.37	0.35
85	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.18	0.20	0.23	0.27	0.31	0.35	0.39	0.43	0.46	0.48	0.49	0.46
90	0.14	0.14	0.14	0.15	0.17	0.20	0.24	0.29	0.33	0.35	0.38	0.40	0.43	0.45	0.48	0.51	0.54	3.90	0.57
95	25.6	23.4	20.8	18.1	16.7	16.7	17.0	17.5	18.0	17.9	17.7	17.3	16.8	15.9	14.7	13.5	12.5	11.7	12.0
100	105	107	107	107	101	91.1	80.2	69.4	59.7	56.5	55.1	55.0	55.7	56.6	57.4	58.2	58.9	59.4	58.6
105	232	229	225	221	220	222	223	223	221	210	197	182	168	156	147	139	134	131	134
110	369	366	362	357	355	354	354	354	354	352	351	349	348	350	352	355	357	359	356
115	510	506	501	496	494	493	493	493	493	491	490	489	488	489	491	494	496	497	493
120	635	632	628	625	624	627	631	634	637	635	632	629	627	626	628	630	632	633	629
125	763	757	750	743	741	743	746	749	752	747	743	738	735	737	745	753	761	767	763
130	879	874	868	862	860	862	864	867	869	868	866	864	862	863	866	869	872	873	867
135	967	962	957	952	952	955	958	962	965	963	961	958	956	957	961	965	968	970	966
140	1059	1059	1059	1058	1058	1057	1057	1057	1056	1056	1055	1054	1053	1053	1053	1053	1053	1052	1050
145	1133	1135	1136	1135	1132	1126	1119	1113	1107	1106	1107	1108	1110	1113	1116	1118	1120	1121	1120
150	1195	1194	1192	1191	1190	1190	1190	1191	1192	1195	1198	1200	1203	1203	1202	1199	1195	1190	1180
155	1249	1247	1245	1242	1242	1243	1244	1245	1246	1243	1240	1237	1233	1232	1233	1234	1234	1234	1229
160	1287	1288	1289	1290	1291	1291	1290	1290	1289	1288	1287	1286	1285	1284	1284	1284	1283	1283	1283
165	1313	1316	1318	1320	1321	1322	1322	1323	1323	1325	1326	1327	1328	1329	1329	1329	1329	1328	1326
170	1340	1338	1336	1334	1334	1335	1336	1337	1339	1341	1343	1345	1347	1348	1348	1347	1346	1344	1342
175	1360	1359	1357	1355	1353	1351	1349	1347	1346	1344	1343	1343	1342	1343	1345	1347	1348	1350	1349
180	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm																		
NAME: 6986302									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1179*64*35					SERIAL No.:				
MFR.: A3592392A-07									SUR.:1.168*0.05					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	5579	5580	5581	5579	5575	5571	5566	5563	5565	5568	5571	5573	5572	5567	5562	5557	5553	5555	5559
5	5756	5775	5790	5801	5806	5809	5810	5812	5817	5823	5828	5832	5833	5830	5825	5821	5817	5817	5818
10	5979	6001	6020	6035	6046	6054	6060	6063	6065	6066	6064	6062	6058	6053	6047	6041	6035	6030	6026
15	5919	5936	5950	5962	5973	5981	5985	5986	5979	5969	5957	5944	5935	5928	5921	5913	5904	5890	5875
20	5179	5201	5219	5240	5263	5282	5297	5305	5294	5277	5257	5236	5223	5219	5215	5209	5199	5174	5146
25	3878	3913	3945	3976	4008	4035	4056	4071	4068	4060	4046	4031	4019	4012	4003	3991	3974	3941	3904
30	1887	1918	1950	1988	2032	2073	2110	2141	2149	2151	2147	2139	2135	2136	2132	2122	2103	2060	2010
35	642	629	619	618	625	633	641	646	634	618	602	587	582	587	593	598	599	579	556
40	134	129	124	121	118	115	112	109	103	97.8	92.2	86.9	82.4	78.9	76.0	73.7	72.0	70.8	70.3
45	5.92	6.50	7.26	8.18	9.17	10.1	10.8	11.2	10.5	9.45	8.27	7.04	6.06	5.40	4.87	4.49	4.27	4.26	4.41
50	0.86	0.98	1.13	1.35	1.60	1.83	2.02	2.14	1.99	1.77	1.51	1.24	1.02	0.86	0.74	0.65	0.61	0.64	0.71
55	0.41	0.44	0.47	0.48	0.49	0.48	0.48	0.47	0.48	0.49	0.50	0.50	0.47	0.41	0.35	0.30	0.27	0.29	0.33
60	0.33	0.34	0.36	0.35	0.33	0.31	0.29	0.28	0.29	0.31	0.32	0.33	0.32	0.29	0.25	0.22	0.19	0.21	0.23
65	0.29	0.29	0.29	0.29	0.29	0.28	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.22	0.20	0.19	0.20	0.21
70	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.19	0.19	0.20
75	0.30	0.29	0.28	0.27	0.27	0.27	0.28	0.27	0.26	0.25	0.24	0.22	0.21	0.20	0.20	0.19	0.19	0.19	0.20
80	0.33	0.31	0.29	0.28	0.28	0.28	0.29	0.29	0.28	0.26	0.24	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22
85	0.43	0.39	0.35	0.33	0.34	0.34	0.35	0.35	0.33	0.30	0.27	0.25	0.24	0.23	0.24	0.24	0.25	0.24	0.23
90	0.58	0.58	0.58	0.57	0.56	0.54	0.51	0.48	0.43	0.38	0.34	0.29	0.27	0.27	0.27	0.27	1.92	0.28	0.27
95	12.5	13.1	13.7	14.0	13.8	13.6	13.3	12.9	12.2	11.6	11.2	10.9	11.4	12.6	13.8	14.8	15.5	14.5	13.0
100	57.4	56.0	54.5	52.4	49.8	47.9	47.1	47.9	54.9	62.9	71.1	78.6	82.2	81.6	79.7	76.9	73.9	73.8	73.6
105	139	145	153	161	169	178	185	191	192	192	191	190	189	188	188	187	186	183	180
110	352	347	342	336	332	327	323	320	319	319	320	320	321	322	322	322	321	316	311
115	489	484	478	472	466	460	455	451	450	450	451	452	454	455	455	455	455	452	448
120	624	619	613	607	602	597	593	590	589	588	588	589	589	590	590	590	589	587	584
125	757	749	740	733	728	724	720	716	712	708	705	703	704	709	713	717	721	718	715
130	860	853	845	840	836	834	831	829	825	822	819	817	816	817	819	820	822	823	823
135	960	953	945	938	933	929	925	923	922	923	924	926	927	928	928	928	928	929	929
140	1048	1044	1040	1034	1027	1020	1014	1010	1012	1016	1021	1025	1029	1030	1030	1030	1029	1027	1024
145	1119	1116	1113	1110	1107	1104	1102	1100	1099	1099	1100	1101	1103	1105	1107	1108	1108	1103	1097
150	1170	1161	1153	1150	1152	1156	1160	1165	1167	1168	1169	1170	1172	1173	1174	1175	1175	1172	1169
155	1223	1217	1212	1210	1211	1213	1216	1220	1224	1228	1231	1233	1233	1230	1227	1224	1220	1220	1220
160	1283	1282	1282	1281	1280	1279	1278	1278	1278	1279	1279	1279	1279	1276	1272	1267	1263	1260	1265
165	1324	1321	1318	1314	1311	1307	1304	1302	1304	1307	1309	1311	1310	1306	1302	1298	1294	1295	1296
170	1339	1336	1333	1332	1331	1332	1332	1332	1333	1333	1333	1333	1331	1329	1326	1324	1322	1323	1325
175	1347	1346	1344	1344	1345	1345	1346	1347	1346	1344	1343	1342	1341	1342	1343	1344	1346	1348	1350
180	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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:229.72V I:0.2659A P:59.021W PF:0.9663 Freq:49.99Hz Lamp Flux:7828.36x1 lm																	
NAME: 6986302									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1179*64*35						SERIAL No.:		
MFR.: A3592392A-07									SUR.:1.168*0.05						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	5562	5565	5565	5561	5557	5552	5548	5547	5546	5547	5548	5551	5555	5560	5566				
5	5818	5816	5812	5804	5794	5784	5773	5763	5753	5743	5733	5723	5712	5701	5690				
10	6021	6015	6008	6000	5990	5979	5967	5953	5937	5920	5903	5885	5867	5848	5828				
15	5859	5842	5828	5816	5804	5790	5775	5756	5734	5711	5686	5661	5634	5607	5578				
20	5116	5085	5062	5046	5030	5012	4991	4953	4912	4868	4825	4785	4750	4718	4687				
25	3863	3822	3786	3755	3723	3685	3642	3575	3502	3426	3350	3282	3224	3169	3119				
30	1954	1895	1841	1793	1746	1698	1650	1594	1538	1485	1435	1394	1362	1337	1318				
35	533	511	501	503	507	513	518	512	504	497	491	490	493	500	511				
40	70.5	71.4	73.9	77.7	81.8	85.8	89.4	90.4	90.8	90.8	90.6	90.7	91.2	91.8	92.5				
45	4.70	5.14	5.86	6.83	7.77	8.57	9.14	8.77	8.15	7.35	6.45	5.67	5.06	4.47	3.91				
50	0.80	0.91	1.06	1.22	1.37	1.48	1.54	1.42	1.26	1.07	0.88	0.75	0.68	0.64	0.64				
55	0.38	0.43	0.45	0.45	0.44	0.42	0.41	0.42	0.42	0.43	0.44	0.44	0.43	0.42	0.41				
60	0.27	0.30	0.31	0.30	0.29	0.28	0.27	0.29	0.31	0.33	0.35	0.35	0.35	0.34	0.33				
65	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.26	0.27	0.29	0.29	0.30	0.29	0.29	0.27				
70	0.21	0.22	0.23	0.23	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.27	0.27				
75	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.28	0.28	0.27				
80	0.21	0.21	0.22	0.23	0.25	0.26	0.28	0.29	0.29	0.29	0.30	0.29	0.29	0.29	0.28				
85	0.22	0.21	0.23	0.25	0.28	0.31	0.34	0.33	0.32	0.31	0.30	0.31	0.32	0.35	0.38				
90	0.27	0.27	0.29	0.32	0.35	0.39	2.43	0.43	0.44	0.44	0.45	0.45	0.45	0.46	0.46				
95	11.2	9.41	7.84	6.65	5.61	4.75	4.08	3.81	3.72	3.76	3.89	3.99	4.04	4.13	4.23				
100	72.7	70.9	65.9	58.0	49.6	41.5	34.4	32.5	32.0	32.5	33.7	34.7	35.2	35.9	36.8				
105	176	172	170	168	166	162	155	139	122	104	88.4	78.6	75.5	76.4	81.4				
110	305	300	296	293	291	289	287	284	281	279	277	276	276	278	280				
115	444	439	436	434	432	430	428	423	419	417	415	417	422	429	438				
120	581	577	574	572	569	567	565	562	559	557	557	559	564	571	579				
125	710	706	702	700	697	696	694	692	690	689	690	692	696	703	710				
130	823	823	822	820	817	815	813	811	810	810	810	813	816	822	828				
135	929	929	928	926	923	921	918	917	917	917	918	921	924	928	934				
140	1021	1018	1015	1013	1012	1011	1010	1010	1011	1012	1014	1016	1019	1023	1027				
145	1091	1086	1083	1083	1085	1087	1090	1092	1094	1096	1099	1101	1104	1106	1109				
150	1166	1163	1160	1159	1159	1159	1159	1161	1164	1167	1170	1173	1175	1177	1179				
155	1220	1220	1220	1219	1217	1217	1216	1218	1221	1224	1227	1230	1232	1234	1236				
160	1268	1271	1271	1269	1266	1263	1261	1262	1264	1266	1269	1271	1274	1277	1280				
165	1298	1300	1300	1300	1299	1299	1299	1300	1302	1304	1305	1306	1306	1306	1305				
170	1327	1329	1329	1327	1325	1323	1320	1318	1317	1315	1315	1315	1317	1319	1322				
175	1352	1353	1355	1356	1356	1357	1357	1357	1358	1358	1358	1358	1358	1357	1356				
180	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372	1372				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2023-02-09

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: