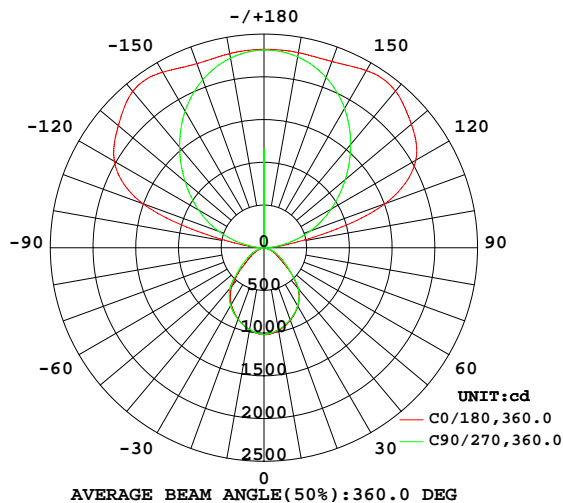


LUMINAIRE PHOTOMETRIC TEST REPORT

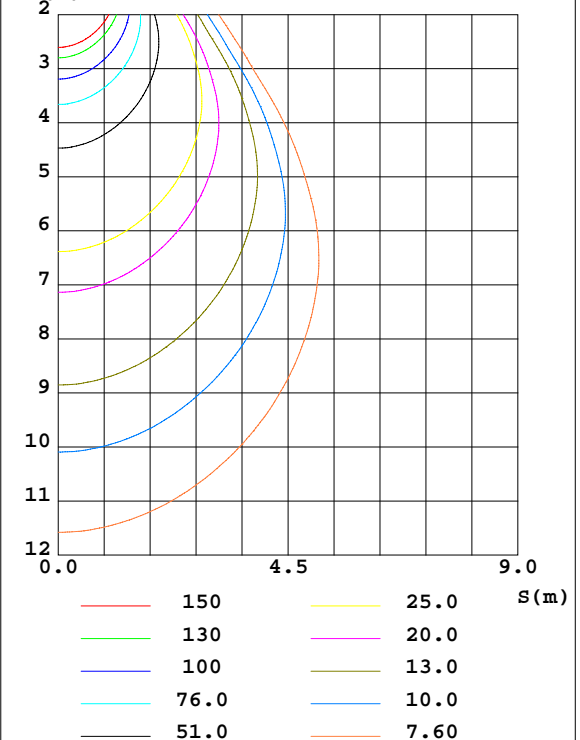
Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.51 lm/W			
MODEL		I _{max} (cd)	2417	S/MH(C0/180)	1.16
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	10176	η UP,DN(C0-180)	40.9,9.4
NOMINAL FLUX(lm)	10175.7	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	40.4,9.3
LAMPS INSIDE	1	η up(%)	81.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	18.7	CIBSE SHR MAX	1.25

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:2023-01-02

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:

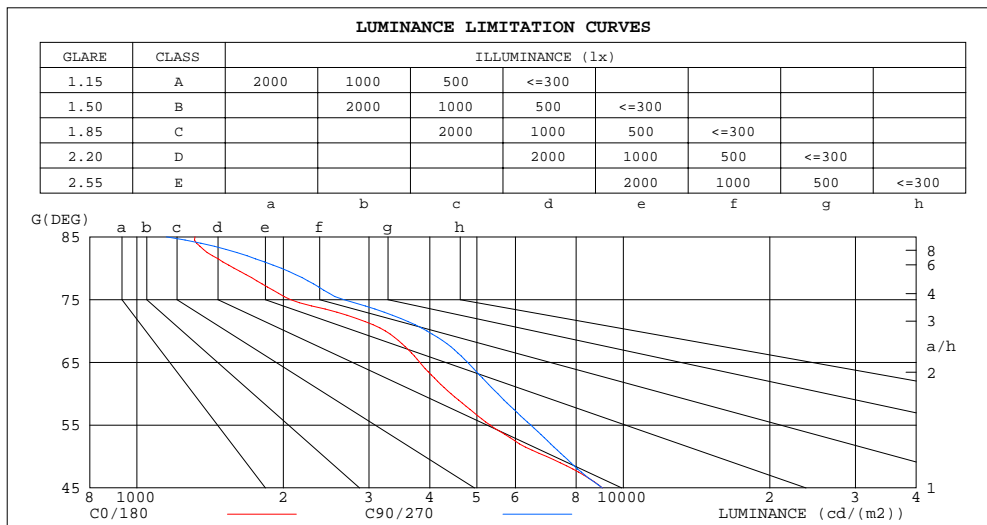
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	984.7	976.8	974.5	965.6	975.5	968.2	972.4	972.7	0- 10	94.73	94.73	0.93,0.93
20	903.6	887.5	895.3	871.8	887.5	872.6	891.6	882.3	10- 20	262.8	357.5	3.51,3.51
30	789.8	764.6	787.1	744.5	767.1	743.7	780.6	758.6	20- 30	381.1	738.6	7.26,7.26
40	619.1	593.2	629.6	564.1	580.9	563.5	622.2	587.6	30- 40	427.8	1166	11.5,11.5
50	337.7	326.4	367.3	304.1	293.9	297.9	359.4	321.3	40- 50	348.4	1515	14.9,14.9
60	167.1	173.1	208.6	159.2	150.8	154.2	201.0	168.2	50- 60	213.8	1729	17,17
70	83.81	81.65	102.1	72.27	70.71	71.10	98.89	79.51	60- 70	122.4	1851	18.2,18.2
80	20.79	18.81	26.00	15.26	16.09	15.13	25.24	17.91	70- 80	47.16	1898	18.7,18.7
90	2.758	2.637	11.02	1.505	2.311	1.404	0.9708	3.135	80- 90	8.625	1907	18.7,18.7
100	401.0	530.3	241.4	521.5	387.2	511.8	236.8	534.9	90-100	202.2	2109	20.7,20.7
110	1506	1138	575.8	1080	1507	1097	562.7	1081	100-110	822.6	2932	28.8,28.8
120	2051	1489	908.7	1414	2022	1439	883.5	1416	110-120	1264	4196	41.2,41.2
130	2251	1765	1242	1711	2225	1722	1205	1700	120-130	1424	5620	55.2,55.2
140	2394	1990	1578	1944	2389	1940	1536	1931	130-140	1430	7049	69.3,69.3
150	2395	2118	1886	2081	2372	2064	1846	2076	140-150	1278	8327	81.8,81.8
160	2321	2214	2123	2197	2295	2174	2094	2193	150-160	993.7	9321	91.6,91.6
170	2319	2290	2269	2289	2308	2271	2255	2285	160-170	635.2	9956	97.8,97.8
180	2322	2322	2322	2322	2322	2322	2322	2322	170-180	219.6	10176	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:2023-01-02

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:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1317	1150
80	1584	1980
75	2068	2659
70	3241	3948
65	3816	4783
60	4422	5520
55	5322	6454
50	6949	7558
45	9055	9056

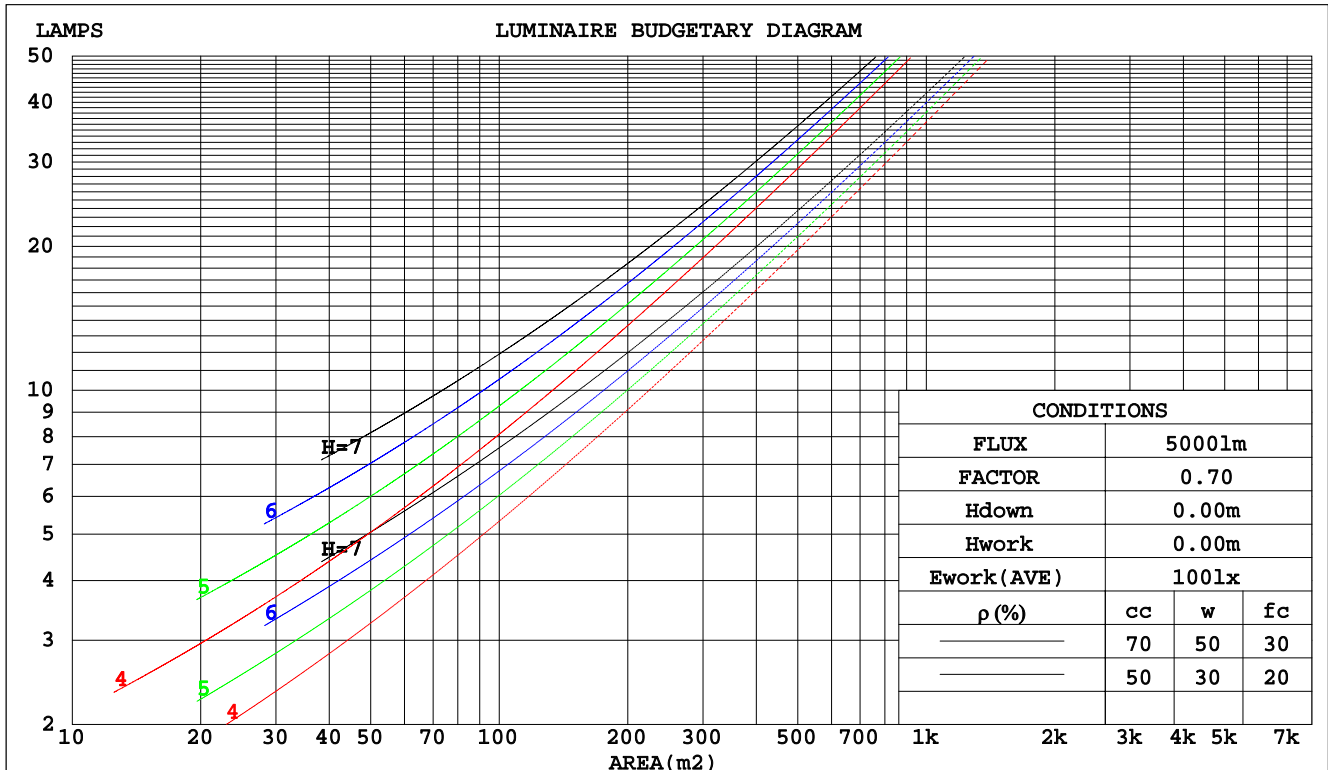
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	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	.00	.00	.00	.88	.88	.88	.66	.66	.66	.46	.46	.46	.27	.27	.27	.19
1.0	.87	.84	.80	.77	.74	.72	.58	.56	.55	.41	.40	.39	.25	.24	.24	.17
2.0	.77	.71	.66	.68	.63	.59	.51	.48	.46	.36	.34	.33	.22	.21	.21	.14
3.0	.67	.61	.55	.60	.54	.50	.46	.42	.39	.32	.30	.28	.20	.19	.18	.13
4.0	.60	.53	.47	.53	.47	.42	.41	.36	.33	.29	.26	.24	.18	.17	.16	.11
5.0	.53	.46	.40	.47	.41	.36	.36	.32	.29	.26	.23	.21	.16	.15	.14	.10
6.0	.48	.40	.35	.43	.36	.32	.33	.28	.25	.24	.21	.19	.15	.13	.12	.09
7.0	.43	.36	.30	.38	.32	.28	.30	.25	.22	.21	.19	.16	.14	.12	.11	.08
8.0	.39	.32	.27	.35	.29	.24	.27	.23	.19	.20	.17	.15	.13	.11	.10	.07
9.0	.35	.28	.24	.32	.26	.22	.25	.20	.17	.18	.15	.13	.12	.10	.09	.07
10.0	.32	.26	.21	.29	.23	.19	.23	.18	.15	.17	.14	.12	.11	.09	.08	.06



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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

WEC AND CCEC

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	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	.224	.128	.041	.165	.095	.030	.111	.064	.020	.061	.035	.011		
2.0	.237	.130	.040	.208	.115	.035	.154	.086	.027	.105	.059	.018	.059	.033	.010		
3.0	.220	.117	.035	.193	.104	.031	.144	.078	.024	.098	.054	.016	.056	.031	.010		
4.0	.204	.106	.031	.180	.094	.028	.134	.071	.021	.092	.049	.015	.053	.029	.009		
5.0	.190	.097	.028	.168	.086	.025	.126	.065	.019	.086	.046	.014	.050	.026	.008		
6.0	.178	.089	.025	.157	.079	.023	.118	.060	.018	.081	.042	.012	.047	.025	.007		
7.0	.166	.082	.023	.147	.073	.021	.111	.056	.016	.076	.039	.011	.044	.023	.007		
8.0	.156	.076	.021	.138	.068	.019	.104	.052	.015	.072	.037	.011	.042	.022	.006		
9.0	.147	.071	.020	.130	.063	.018	.098	.049	.014	.068	.034	.010	.040	.020	.006		
10.0	.139	.066	.018	.123	.059	.017	.093	.046	.013	.065	.032	.009	.038	.019	.005		

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	.810	.810	.810	.692	.692	.692	.472	.472	.472	.271	.271	.271	.087	.087	.087	
1.0	.801	.781	.763	.685	.670	.657	.469	.461	.454	.270	.267	.264	.086	.086	.085	
2.0	.793	.761	.733	.679	.655	.634	.466	.453	.442	.269	.264	.259	.086	.085	.084	
3.0	.787	.746	.713	.674	.643	.618	.463	.447	.434	.267	.261	.256	.086	.085	.084	
4.0	.780	.735	.700	.670	.635	.608	.460	.442	.428	.266	.259	.253	.086	.084	.083	
5.0	.774	.726	.690	.665	.628	.600	.458	.439	.424	.265	.258	.251	.086	.084	.083	
6.0	.769	.719	.683	.661	.623	.595	.456	.436	.421	.264	.256	.250	.085	.084	.083	
7.0	.763	.713	.678	.657	.618	.591	.454	.433	.419	.264	.255	.249	.085	.084	.082	
8.0	.758	.708	.674	.653	.614	.588	.452	.431	.417	.263	.254	.248	.085	.083	.082	
9.0	.754	.704	.671	.649	.611	.585	.450	.430	.416	.262	.254	.248	.085	.083	.082	
10.0	.749	.701	.669	.646	.609	.584	.448	.428	.415	.261	.253	.247	.085	.083	.082	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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

UGR(Unified Glare Rating) Table

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.: 1070*160*30			SERIAL No.:				
MFR.: MC0010222056-01			SUR.:0.84*0.09			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	11.4	12.1	12.5	13.2	14.7	11.3	12.0	12.5	13.2	14.7
3H	11.8	12.4	12.9	13.5	15.1	11.9	12.5	13.1	13.7	15.2
4H	11.8	12.4	12.9	13.5	15.1	12.0	12.6	13.2	13.7	15.3
6H	11.7	12.2	12.9	13.4	15.0	12.0	12.5	13.1	13.6	15.2
8H	11.6	12.1	12.8	13.3	14.9	11.9	12.4	13.1	13.6	15.2
12H	11.5	12.0	12.7	13.2	14.8	11.8	12.3	13.0	13.5	15.1
4H 2H	11.3	11.9	12.5	13.0	14.6	11.3	11.8	12.4	13.0	14.6
3H	11.8	12.3	13.0	13.4	15.1	11.9	12.4	13.1	13.6	15.2
4H	11.9	12.3	13.0	13.4	15.1	12.1	12.5	13.3	13.7	15.3
6H	11.8	12.2	13.0	13.3	15.0	12.1	12.4	13.3	13.6	15.3
8H	11.7	12.1	12.9	13.2	14.9	12.0	12.4	13.2	13.5	15.2
12H	11.7	12.0	12.9	13.1	14.8	11.9	12.3	13.2	13.4	15.1
8H 4H	11.7	12.0	12.9	13.2	14.9	11.9	12.2	13.1	13.4	15.1
6H	11.6	11.9	12.9	13.1	14.8	11.9	12.2	13.1	13.4	15.1
8H	11.6	11.8	12.8	13.0	14.7	11.9	12.1	13.1	13.3	15.0
12H	11.5	11.7	12.8	13.0	14.7	11.8	12.0	13.1	13.2	15.0
12H 4H	11.6	11.9	12.8	13.1	14.8	11.8	12.1	13.0	13.3	15.0
6H	11.5	11.8	12.8	13.0	14.7	11.8	12.1	13.0	13.3	15.0
8H	11.5	11.7	12.7	12.9	14.6	11.8	12.0	13.0	13.2	14.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 1.0					+ 0.6 / - 0.7				
1.5H	+ 0.4 / - 0.7					+ 0.5 / - 0.9				
2.0H	+ 1.5 / - 1.4					+ 1.6 / - 1.7				

CIE Pub.117, 10176 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.1$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-01-02

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

UTILIZATION FACTORS TABLE

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:

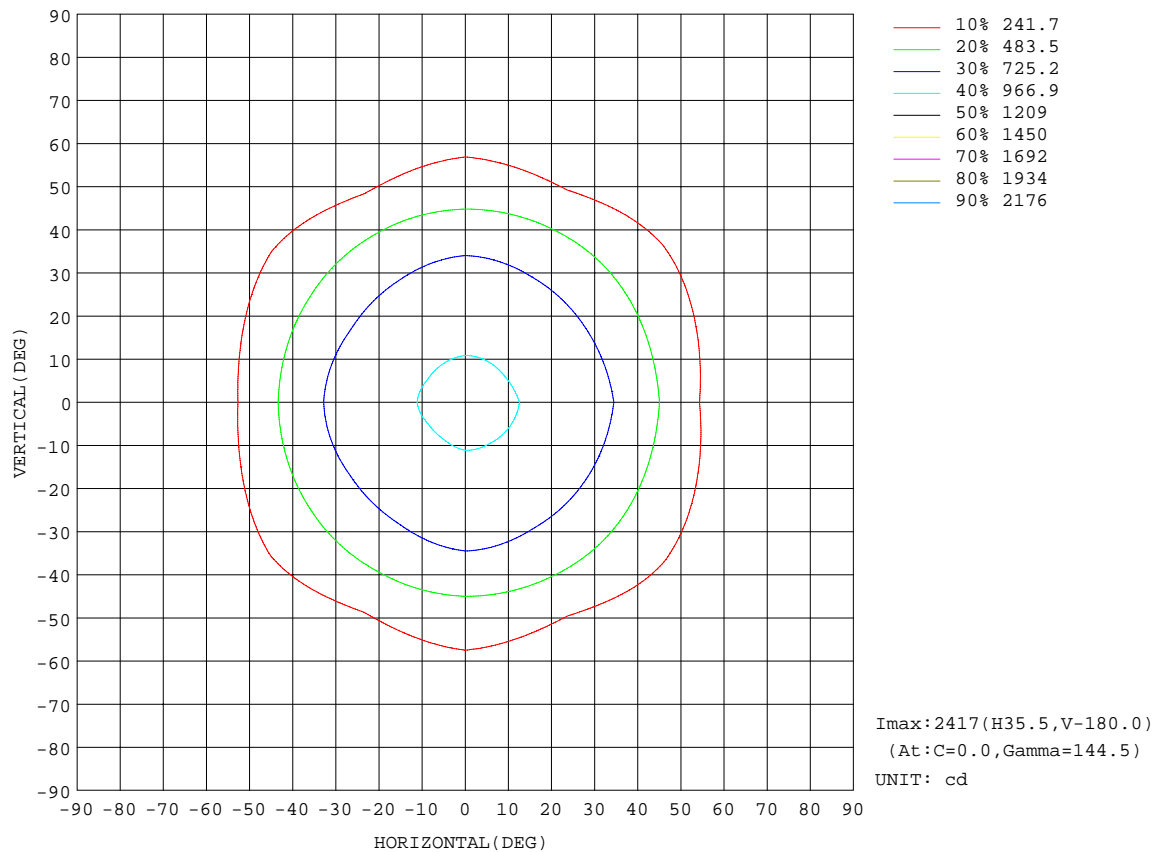
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	37	26	21	33	24	19	27	20	16	9
0.80	46	34	28	41	32	26	33	26	22	10
1.00	53	42	34	48	38	32	38	31	26	12
1.25	60	49	41	53	44	38	42	35	31	13
1.50	65	54	47	58	49	43	45	39	34	14
2.00	72	62	55	64	56	50	49	44	40	15
2.50	77	68	61	68	61	55	52	47	43	16
3.00	80	72	66	71	64	59	54	50	46	16
4.00	85	78	73	75	69	65	57	53	50	17
5.00	87	82	77	77	73	69	58	56	53	17
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:2023-01-02

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:

ISOCANDELA DIAGRAM

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:

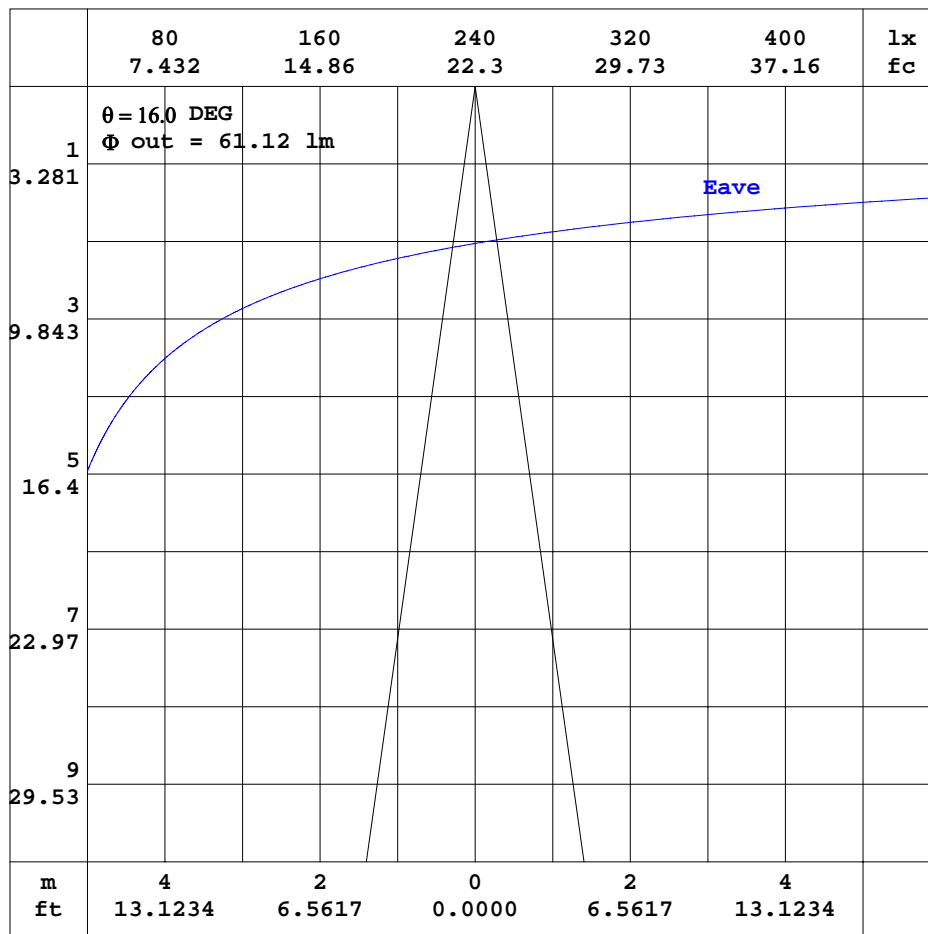


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:



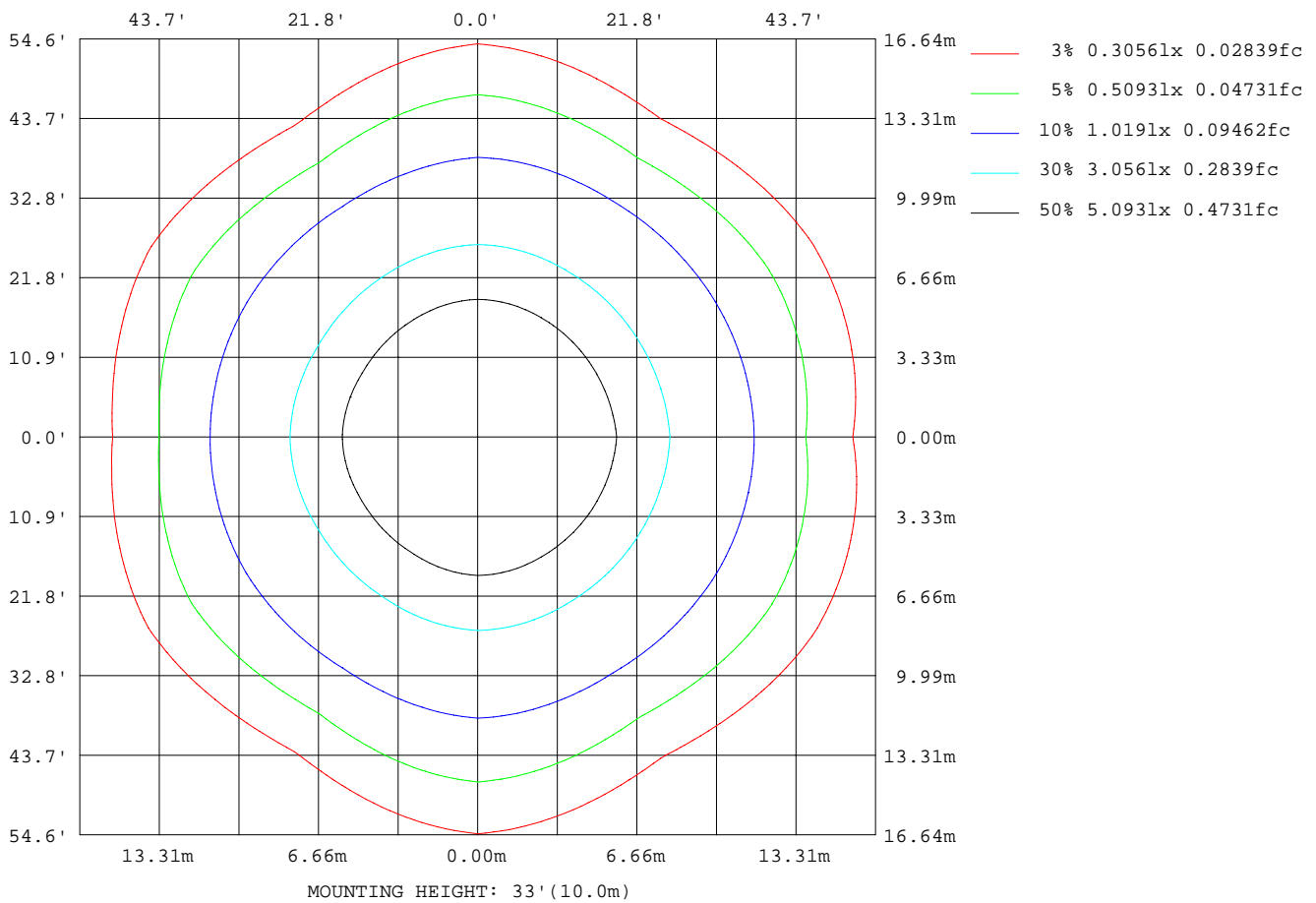
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2023-01-02

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

ISOLUX DIAGRAM

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	Shielding Angle:

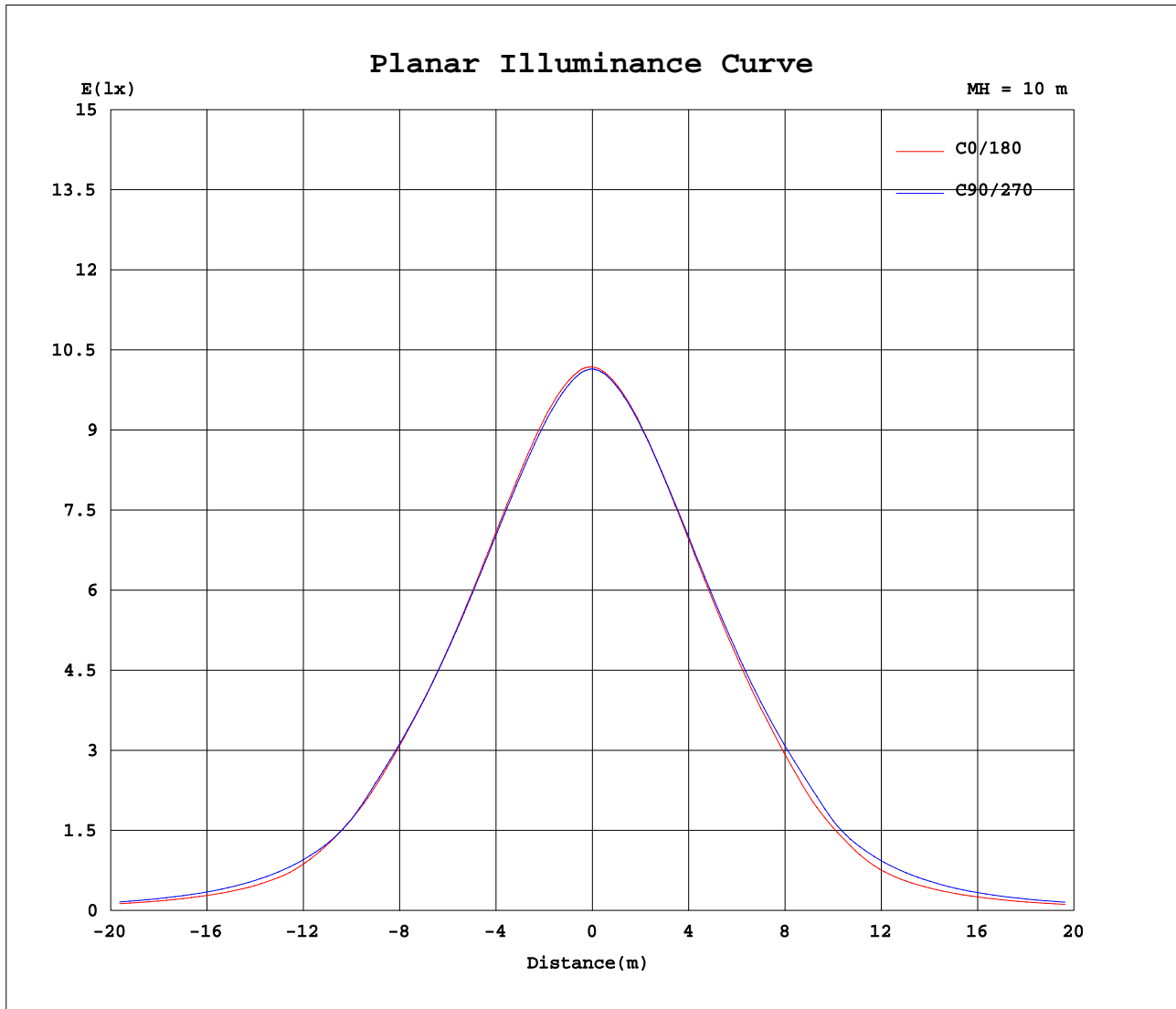
AvgL	cd/m2
L_0~180(65)av	3626
L_0~180(75)av	1908
L_0~180(85)av	1064
L_90~270(65)av	4712
L_90~270(75)av	2608
L_90~270(85)av	1235
L_45(65)av	3586
L_45(75)av	2025
L_45(85)av	924

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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: 2023-01-02

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	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	1019	1018	1018	1018	1017	1017	1017	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1014
5	1009	1009	1009	1008	1008	1008	1007	1007	1006	1005	1005	1004	1004	1003	1003	1003	1003	1002	1002
10	985	984	983	982	981	980	979	978	978	977	976	975	975	975	975	975	975	975	974
15	948	946	945	943	942	941	940	938	937	937	936	935	935	936	936	937	938	938	938
20	904	900	898	895	893	891	890	889	888	888	887	888	888	890	891	893	894	895	895
25	851	847	843	839	836	834	832	831	830	830	830	831	832	835	838	840	843	844	845
30	790	784	779	775	772	769	767	765	765	765	765	766	768	772	776	780	783	786	787
35	716	710	704	700	696	693	690	689	688	688	689	690	692	697	703	708	713	716	718
40	619	613	608	604	600	597	595	594	593	593	594	596	598	605	611	617	623	627	630
45	484	477	470	465	461	457	455	455	455	456	458	461	464	468	473	477	481	483	484
50	338	341	343	344	344	344	342	337	332	326	322	318	316	325	335	345	354	362	367
55	231	241	249	256	260	262	262	255	247	238	230	224	219	228	239	251	263	273	280
60	167	176	183	188	192	194	194	188	181	173	166	160	156	164	174	184	194	202	209
65	122	126	129	132	133	134	133	130	126	121	118	114	113	119	127	134	142	148	153
70	83.8	84.3	84.6	84.8	84.8	84.8	84.6	83.6	82.5	81.7	81.0	80.8	81.2	84.9	89.0	93.1	96.9	100.0	102
75	40.5	40.7	41.0	41.4	41.8	42.2	42.7	43.3	43.9	44.6	45.3	46.0	46.8	48.1	49.3	50.4	51.2	51.8	52.0
80	20.8	20.1	19.5	19.1	18.7	18.5	18.4	18.4	18.6	18.8	19.2	19.6	20.2	21.4	22.6	23.8	24.8	25.6	26.0
85	8.68	8.46	8.25	8.07	7.90	7.75	7.62	7.49	7.39	7.30	7.23	7.19	7.17	7.26	7.37	7.47	7.55	7.59	7.57
90	2.76	3.01	3.19	3.32	3.38	3.39	3.33	3.15	2.91	2.64	2.34	2.03	1.72	1.45	1.20	0.98	0.78	0.63	11.0
95	131	141	150	159	167	175	183	194	204	212	218	221	220	201	178	155	132	112	96.8
100	401	458	504	541	567	584	591	579	558	530	498	461	423	385	348	313	283	258	241
105	943	1017	1072	1109	1127	1127	1109	1046	970	884	793	701	613	556	507	467	436	415	404
110	1506	1536	1550	1548	1530	1496	1446	1353	1249	1138	1024	913	808	741	685	641	607	586	576
115	1842	1841	1827	1801	1762	1710	1647	1548	1440	1328	1215	1105	1001	930	869	820	783	758	745
120	2051	2032	2004	1965	1917	1860	1792	1697	1595	1489	1383	1281	1184	1111	1047	995	954	925	909
125	2171	2149	2118	2079	2031	1975	1911	1823	1728	1632	1534	1440	1350	1279	1216	1164	1122	1091	1074
130	2251	2235	2210	2177	2135	2085	2027	1944	1857	1765	1674	1585	1500	1433	1375	1326	1287	1259	1242
135	2327	2318	2300	2273	2237	2193	2139	2061	1978	1890	1803	1717	1637	1577	1525	1482	1448	1424	1411
140	2394	2383	2365	2339	2305	2264	2215	2144	2068	1990	1911	1835	1764	1713	1669	1634	1606	1588	1578
145	2417	2403	2383	2357	2326	2290	2248	2189	2127	2063	1999	1938	1881	1841	1807	1780	1759	1745	1737
150	2395	2379	2359	2337	2311	2282	2250	2208	2163	2118	2074	2031	1991	1962	1938	1917	1902	1891	1886
155	2351	2338	2324	2307	2290	2270	2249	2222	2195	2167	2139	2113	2088	2069	2052	2038	2027	2019	2015
160	2321	2313	2304	2294	2283	2272	2260	2245	2230	2214	2199	2185	2171	2159	2148	2139	2132	2126	2123
165	2313	2308	2303	2298	2292	2286	2280	2272	2265	2257	2250	2243	2236	2229	2223	2218	2214	2210	2208
170	2319	2316	2312	2308	2305	2302	2299	2296	2293	2290	2287	2285	2282	2279	2277	2274	2272	2270	2269
175	2323	2320	2317	2314	2312	2310	2308	2308	2307	2307	2307	2307	2307	2307	2307	2306	2306	2305	2305
180	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 1070*160*30	SERIAL No.:
MFR.: MC0010222056-01	SUR.:0.84*0.09	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	1014	1014	1014	1014	1013	1013	1013	1013	1013	1012	1013	1013	1014	1015	1016	1017	1018	1019	1019
5	1001	1001	1000	999	999	998	998	998	997	997	998	998	999	1000	1001	1002	1003	1004	1004
10	973	972	971	969	968	967	966	966	966	966	966	967	968	970	971	973	974	976	975
15	937	935	932	930	928	926	925	924	923	923	923	924	926	928	930	932	934	935	934
20	893	890	886	883	879	876	874	873	872	871	871	872	875	877	880	883	886	887	886
25	842	838	833	828	823	818	815	813	812	811	811	812	815	819	823	827	830	832	829
30	783	777	771	765	758	752	749	746	745	744	744	744	748	753	757	761	765	767	764
35	713	706	698	690	682	674	670	667	665	664	664	665	669	673	678	683	686	689	685
40	623	615	605	595	585	575	571	567	564	562	562	562	565	568	572	576	579	581	577
45	479	472	464	455	446	438	432	427	423	420	417	416	420	424	428	433	436	439	435
50	358	347	334	321	308	297	298	300	304	309	313	317	314	310	306	301	297	294	296
55	271	259	245	231	218	207	210	215	222	229	236	242	237	232	226	219	213	208	212
60	201	191	179	168	157	147	150	154	159	165	171	176	173	169	164	159	154	151	154
65	147	140	131	123	114	106	107	108	111	113	116	119	118	117	115	113	111	110	111
70	98.9	94.8	89.9	84.8	79.7	74.9	73.5	72.6	72.3	72.2	72.4	72.8	72.4	72.0	71.6	71.2	70.9	70.7	70.6
75	50.7	49.1	47.2	45.1	42.9	40.7	39.0	37.4	36.0	34.8	33.8	33.0	32.9	33.0	33.3	33.6	33.9	34.2	33.7
80	25.0	23.6	22.1	20.4	18.7	17.1	16.3	15.7	15.3	14.9	14.8	14.7	14.8	15.1	15.4	15.6	15.9	16.1	15.8
85	7.31	6.99	6.64	6.27	5.90	5.55	5.32	5.13	4.97	4.85	4.76	4.72	4.80	4.91	5.03	5.15	5.26	5.34	5.23
90	0.54	0.61	0.72	0.85	0.99	1.15	1.27	1.39	1.51	1.62	1.73	1.9	1.95	2.06	2.15	2.23	2.28	2.31	2.27
95	106	120	137	156	175	192	197	199	198	196	191	185	174	162	150	139	130	123	126
100	248	263	284	311	343	379	427	476	522	562	595	618	588	549	505	461	420	387	412
105	405	418	440	473	516	569	661	758	855	948	1031	1100	1094	1073	1042	1006	969	936	966
110	577	590	615	652	701	762	861	969	1080	1190	1294	1389	1436	1471	1493	1506	1510	1507	1513
115	748	764	793	833	886	950	1046	1149	1257	1366	1471	1571	1642	1703	1753	1791	1816	1828	1822
120	914	933	964	1007	1061	1127	1216	1313	1414	1517	1617	1713	1792	1862	1922	1969	2003	2022	2009
125	1079	1097	1128	1170	1224	1287	1374	1467	1564	1662	1759	1850	1925	1990	2046	2089	2120	2137	2124
130	1246	1262	1290	1328	1378	1438	1523	1615	1711	1807	1901	1989	2054	2110	2156	2190	2214	2225	2216
135	1412	1425	1448	1482	1526	1580	1662	1750	1843	1935	2025	2109	2169	2219	2259	2289	2308	2317	2309
140	1578	1587	1605	1633	1669	1715	1786	1863	1944	2026	2106	2181	2238	2287	2327	2358	2379	2389	2380
145	1737	1744	1758	1779	1807	1842	1897	1956	2019	2084	2147	2208	2259	2304	2342	2373	2394	2406	2395
150	1886	1891	1901	1916	1936	1961	1998	2038	2081	2125	2168	2211	2250	2286	2318	2343	2362	2372	2361
155	2015	2020	2027	2038	2051	2068	2090	2114	2139	2165	2192	2217	2243	2267	2287	2304	2317	2324	2315
160	2124	2128	2133	2140	2148	2158	2170	2183	2197	2211	2225	2238	2252	2265	2276	2285	2292	2295	2289
165	2209	2211	2215	2219	2224	2230	2236	2243	2250	2257	2263	2270	2276	2282	2287	2291	2293	2294	2290
170	2270	2272	2273	2276	2278	2281	2284	2287	2289	2292	2295	2298	2301	2303	2305	2307	2308	2308	2305
175	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2314	2315	2316	2317	2318	2319	2319	2319	2316
180	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 1070*160*30					SERIAL No.:				
MFR.: MC0010222056-01									SUR.:0.84*0.09					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	1018	1018	1018	1017	1017	1016	1016	1016	1016	1016	1016	1015	1015	1015	1015	1015	1014	1014	1014
5	1003	1003	1002	1001	1001	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1001	1001
10	974	973	971	970	969	968	968	968	968	969	969	970	970	971	971	972	972	973	973
15	932	930	928	926	925	924	925	925	926	927	928	929	930	932	933	934	935	935	935
20	883	880	877	874	871	871	872	873	874	876	878	880	883	885	888	890	892	891	890
25	826	822	818	814	811	811	811	813	815	817	820	824	828	832	835	838	840	839	838
30	760	755	750	745	741	741	742	744	746	749	753	758	763	768	773	777	781	779	777
35	681	675	670	665	661	661	662	664	667	670	675	681	688	695	701	706	710	708	705
40	573	569	564	560	557	558	560	563	568	573	579	587	596	604	611	617	622	620	616
45	430	424	419	414	410	412	416	420	426	432	439	446	453	460	467	472	476	476	473
50	299	302	305	308	311	307	302	298	294	292	292	302	314	327	340	351	359	355	348
55	216	222	227	231	235	229	222	215	209	204	201	212	225	238	251	263	272	265	255
60	157	161	165	169	171	166	160	154	149	145	142	151	162	173	184	193	201	195	187
65	112	114	115	116	117	114	111	108	105	104	103	111	119	127	136	143	148	144	138
70	70.5	70.5	70.5	70.7	70.9	70.8	70.8	71.1	71.7	72.8	74.3	78.7	83.4	88.1	92.4	96.1	98.9	96.8	93.8
75	33.1	32.6	32.2	31.9	31.9	32.8	33.9	35.3	36.8	38.5	40.2	42.2	44.1	45.9	47.6	49.0	50.0	49.9	49.4
80	15.4	15.0	14.6	14.3	14.1	14.3	14.7	15.1	15.7	16.5	17.3	18.8	20.4	21.9	23.2	24.4	25.2	24.7	23.8
85	5.09	4.94	4.80	4.67	4.59	4.64	4.73	4.88	5.09	5.34	5.65	6.21	6.79	7.35	7.88	8.34	8.70	8.54	8.27
90	2.21	2.13	2.03	1.92	1.80	1.67	1.53	1.40	1.28	1.17	1.07	0.97	0.89	0.85	0.85	0.88	0.97	1.26	1.58
95	132	140	149	159	170	180	189	196	202	204	204	186	166	145	125	108	94.9	105	120
100	444	481	519	553	581	566	542	512	476	438	398	362	328	297	271	250	237	245	261
105	999	1033	1061	1081	1087	1022	943	856	764	671	583	528	482	446	419	401	393	397	410
110	1513	1503	1483	1451	1405	1311	1207	1097	985	876	774	710	658	617	588	570	563	565	579
115	1802	1769	1724	1666	1598	1498	1391	1281	1170	1063	963	895	838	792	758	736	727	731	747
120	1980	1938	1883	1817	1740	1645	1543	1439	1336	1235	1141	1071	1010	961	923	897	884	890	910
125	2097	2057	2005	1942	1869	1779	1683	1585	1486	1391	1301	1231	1171	1122	1083	1056	1042	1050	1070
130	2195	2162	2118	2063	1999	1912	1818	1722	1625	1531	1443	1377	1321	1276	1241	1217	1205	1212	1231
135	2291	2263	2223	2174	2115	2030	1939	1845	1751	1660	1575	1516	1467	1427	1398	1379	1371	1377	1393
140	2360	2330	2291	2242	2185	2107	2025	1940	1856	1775	1701	1651	1610	1578	1555	1541	1536	1541	1554
145	2374	2343	2305	2259	2207	2144	2077	2009	1942	1879	1820	1782	1750	1726	1709	1699	1697	1700	1711
150	2342	2315	2283	2246	2205	2159	2112	2064	2018	1974	1934	1907	1884	1867	1855	1848	1846	1849	1858
155	2301	2282	2259	2234	2206	2177	2148	2118	2090	2063	2038	2020	2006	1994	1986	1981	1980	1983	1989
160	2280	2268	2254	2239	2222	2206	2190	2174	2159	2144	2131	2120	2111	2104	2099	2095	2094	2097	2102
165	2285	2278	2270	2262	2253	2245	2236	2228	2220	2213	2206	2200	2195	2192	2189	2187	2187	2188	2191
170	2301	2297	2292	2287	2282	2278	2274	2271	2268	2265	2262	2260	2258	2257	2256	2255	2255	2256	2258
175	2313	2310	2307	2304	2301	2300	2299	2298	2298	2298	2298	2298	2297	2297	2297	2297	2297	2298	2300
180	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.57V I:0.4267A P:96.439W PF:0.9845 Freq:49.99Hz Lamp Flux:10175.7x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 1070*160*30						SERIAL No.:		
MFR.: MC0010222056-01									SUR.:0.84*0.09						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	1014	1014	1013	1013	1013	1013	1013	1012	1013	1013	1013	1014	1015	1016	1017				
5	1001	1002	1002	1002	1002	1002	1002	1002	1002	1002	1003	1003	1005	1006	1007				
10	973	973	973	973	973	973	973	973	973	974	975	977	978	980	982				
15	934	934	933	933	932	932	932	933	933	934	935	937	939	942	945				
20	889	888	886	885	884	883	882	882	883	884	885	888	891	895	899				
25	835	833	830	828	826	825	824	824	825	826	828	831	835	840	845				
30	774	770	766	763	761	759	759	758	759	760	763	767	771	776	783				
35	701	696	691	687	684	683	682	681	682	684	687	691	696	701	708				
40	612	606	600	595	592	589	588	587	587	588	591	594	599	605	611				
45	470	467	463	459	455	452	450	449	448	448	451	455	460	467	475				
50	339	330	321	314	315	318	321	326	330	335	337	338	339	339	339				
55	244	233	222	213	218	224	231	239	247	254	254	253	250	246	239				
60	178	168	159	152	156	161	168	175	182	188	189	188	185	181	175				
65	130	123	116	109	111	115	118	123	127	131	132	132	130	128	126				
70	90.2	86.3	82.4	78.9	78.6	78.9	79.5	80.5	81.6	82.7	83.1	83.4	83.6	83.8	83.8				
75	48.7	47.7	46.6	45.5	44.5	43.5	42.6	41.7	41.0	40.3	40.0	39.8	39.7	39.8	40.1				
80	22.8	21.5	20.3	19.1	18.6	18.2	17.9	17.8	17.7	17.8	18.0	18.3	18.8	19.3	20.0				
85	7.95	7.59	7.23	6.92	6.96	7.05	7.20	7.38	7.59	7.81	7.95	8.10	8.25	8.39	8.53				
90	1.93	2.27	2.61	2.91	3.03	3.10	3.14	3.14	3.12	3.08	3.06	3.02	2.98	2.92	2.84				
95	139	158	178	197	204	209	211	211	209	204	198	189	178	165	149				
100	284	313	346	384	435	486	535	578	614	638	633	614	581	535	475				
105	434	468	512	566	660	759	858	952	1037	1107	1129	1131	1114	1076	1020				
110	605	642	691	753	856	967	1081	1194	1301	1398	1453	1493	1519	1530	1526				
115	776	818	871	937	1037	1146	1259	1372	1483	1586	1656	1715	1763	1801	1827				
120	942	987	1043	1111	1206	1309	1416	1524	1631	1732	1806	1872	1930	1978	2019				
125	1104	1148	1204	1271	1361	1459	1560	1663	1764	1860	1931	1995	2051	2099	2139				
130	1262	1304	1357	1420	1507	1602	1700	1799	1895	1986	2051	2108	2156	2196	2228				
135	1420	1457	1504	1561	1645	1735	1828	1922	2014	2100	2159	2210	2252	2286	2311				
140	1576	1608	1648	1697	1770	1849	1931	2015	2096	2173	2228	2275	2316	2349	2375				
145	1729	1753	1785	1824	1882	1945	2011	2079	2145	2209	2256	2298	2335	2367	2395				
150	1871	1890	1914	1943	1984	2029	2076	2125	2173	2220	2256	2290	2320	2348	2373				
155	1999	2013	2029	2049	2076	2105	2135	2167	2198	2228	2253	2276	2297	2317	2335				
160	2109	2118	2128	2141	2157	2175	2193	2212	2230	2248	2263	2277	2289	2301	2312				
165	2196	2201	2208	2215	2224	2234	2245	2255	2266	2276	2284	2291	2297	2303	2309				
170	2261	2263	2267	2271	2275	2280	2285	2290	2295	2300	2304	2308	2311	2314	2317				
175	2301	2302	2303	2305	2307	2308	2310	2312	2314	2315	2317	2318	2320	2321	2322				
180	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322	2322				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2023-01-02

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: