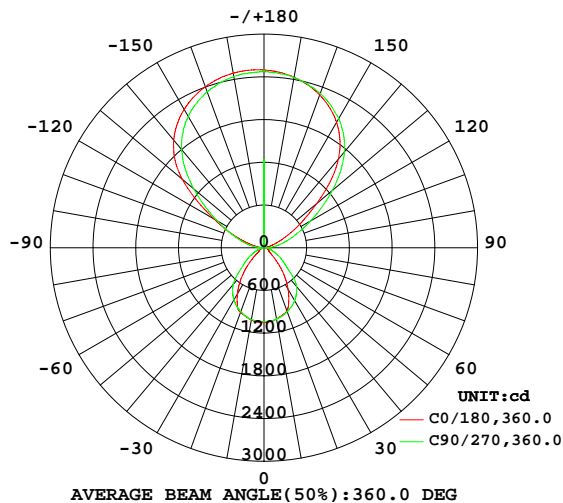


LUMINAIRE PHOTOMETRIC TEST REPORT

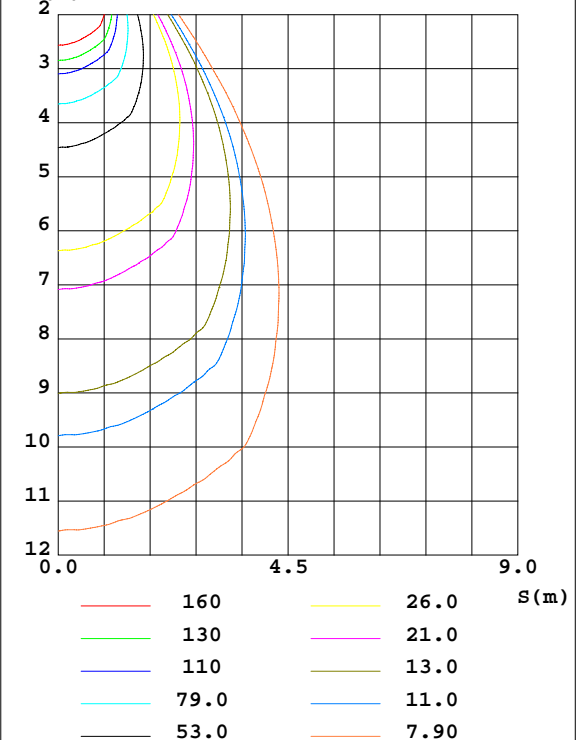
Test:U:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.20 lm/W			
MODEL		Imax(cd)	2504	S/MH(C0/180)	1.07
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	7822.9	η UP,DN(C0-180)	38.0,11.8
NOMINAL FLUX(lm)	7822.92	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	38.7,11.5
LAMPS INSIDE	1	η up(%)	76.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	23.3	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:2024-10-10

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:

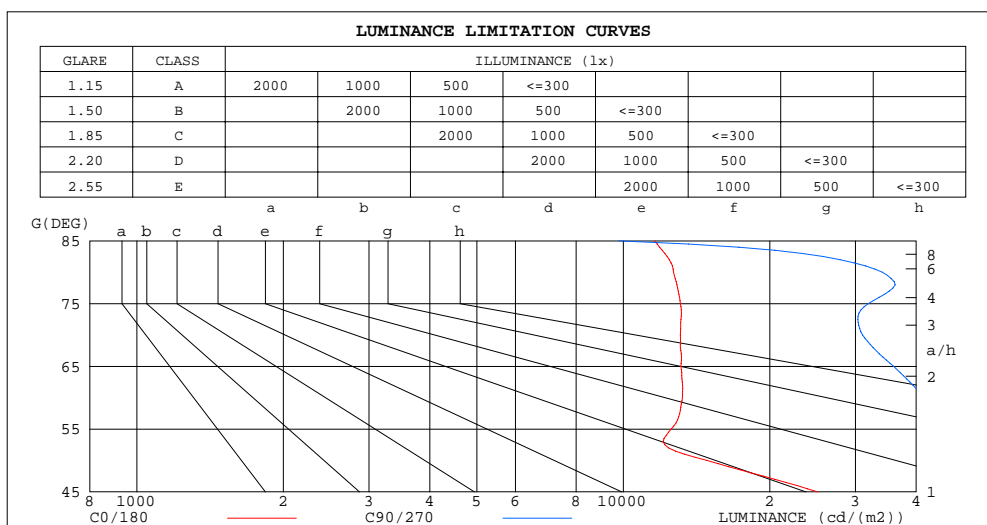
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1017	1015	1018	1014	1031	1026	1025	1011	0- 10	98.34	98.34	1.26,1.26
20	951.6	941.3	956.2	946.5	967.7	952.8	956.9	940.5	10- 20	278.5	376.8	4.82,4.82
30	678.3	816.8	860.0	855.7	748.6	853.6	845.1	807.5	20- 30	407.8	784.6	10,10
40	358.4	545.6	711.6	600.7	426.1	592.3	674.0	526.0	30- 40	426.9	1211	15.5,15.5
50	112.1	223.9	413.1	266.7	145.5	256.8	381.2	214.2	40- 50	306.8	1518	19.4,19.4
60	77.58	81.33	246.2	96.09	80.63	93.37	212.3	73.86	50- 60	151.8	1670	21.3,21.3
70	52.56	53.42	124.4	56.77	57.06	51.08	91.04	46.49	60- 70	88.48	1759	22.5,22.5
80	25.83	26.79	69.41	31.95	31.68	25.41	30.37	20.93	70- 80	48.46	1807	23.1,23.1
90	1.040	1.469	0.6357	6.478	8.935	2.632	0.9622	0.8333	80- 90	15.82	1823	23.3,23.3
100	31.63	47.08	191.3	140.1	110.6	130.8	187.9	51.36	90-100	53.70	1877	24,24
110	156.8	237.9	408.7	405.3	354.7	394.7	408.0	249.4	100-110	223.2	2100	26.8,26.8
120	454.5	571.3	754.3	873.5	810.2	866.2	759.9	589.2	110-120	497.7	2597	33.2,33.2
130	966.3	1104	1255	1431	1499	1444	1287	1134	120-130	870.4	3468	44.3,44.3
140	1626	1645	1754	1893	1972	1908	1801	1686	130-140	1185	4653	59.5,59.5
150	2038	2028	2097	2187	2244	2189	2127	2068	140-150	1230	5884	75.2,75.2
160	2286	2263	2308	2367	2408	2364	2330	2299	150-160	1029	6913	88.4,88.4
170	2433	2405	2429	2463	2490	2452	2442	2432	160-170	675.3	7588	97,97
180	2497	2497	2497	2497	2497	2497	2497	2497	170-180	234.6	7823	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:2024-10-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ 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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11599	9776
80	12682	34075
75	13101	31892
70	13100	31017
65	13138	35924
60	13228	41978
55	12541	48280
50	14861	54786
45	25107	69278

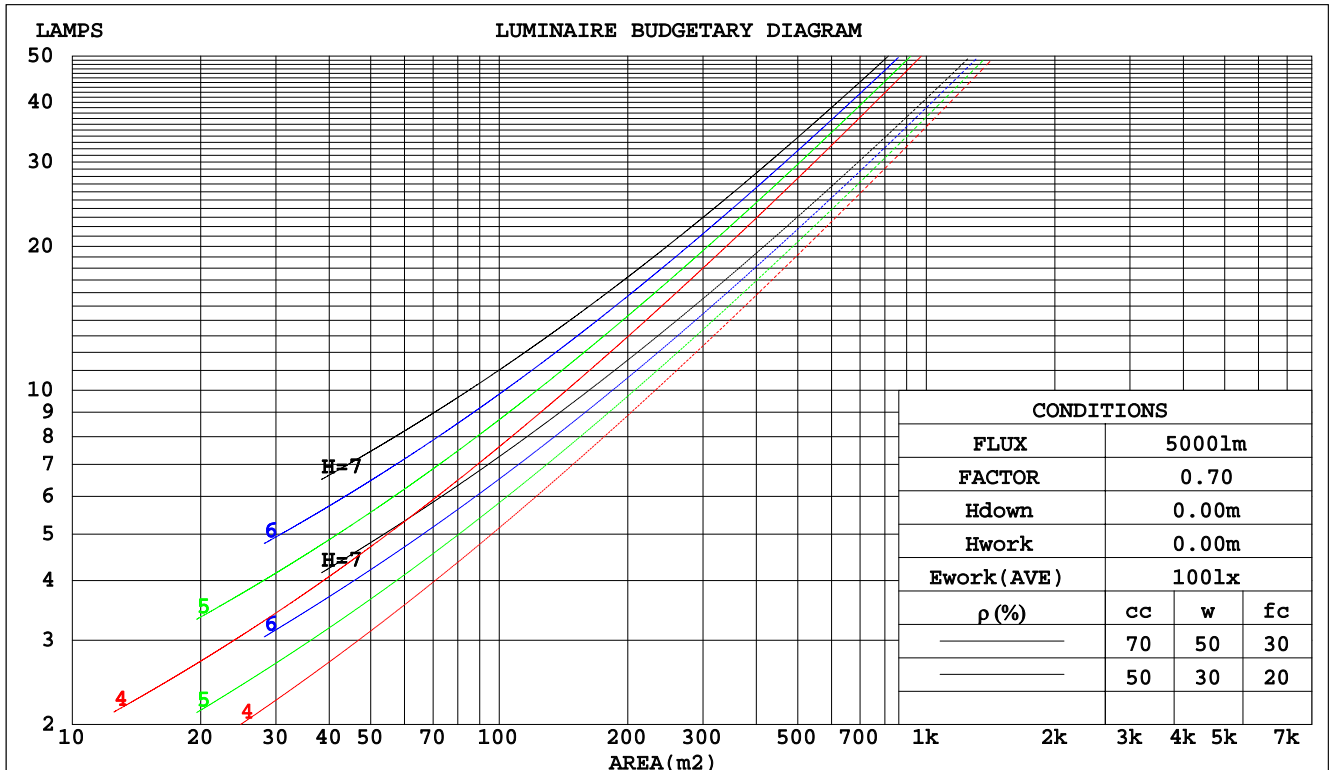
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1.01	1.01	1.01	.90	.90	.90	.69	.69	.69	.49	.49	.49	.32	.32	.32	.23
1.0	.88	.85	.82	.79	.76	.73	.61	.59	.57	.44	.43	.42	.29	.28	.28	.21
2.0	.78	.72	.68	.69	.65	.61	.54	.51	.48	.39	.37	.36	.26	.25	.24	.18
3.0	.69	.62	.57	.62	.56	.51	.48	.44	.41	.35	.33	.31	.24	.22	.21	.16
4.0	.61	.54	.48	.55	.49	.44	.43	.39	.35	.32	.29	.27	.21	.20	.19	.14
5.0	.55	.47	.42	.49	.43	.38	.39	.34	.31	.29	.26	.24	.20	.18	.17	.13
6.0	.49	.42	.36	.44	.38	.33	.35	.30	.27	.26	.23	.21	.18	.16	.15	.12
7.0	.44	.37	.32	.40	.34	.29	.32	.27	.24	.24	.21	.19	.16	.15	.13	.11
8.0	.40	.33	.28	.36	.30	.26	.29	.24	.21	.22	.19	.17	.15	.14	.12	.10
9.0	.37	.30	.25	.33	.27	.23	.26	.22	.19	.20	.17	.15	.14	.12	.11	.09
10.0	.34	.27	.22	.30	.25	.21	.24	.20	.17	.19	.16	.14	.13	.11	.10	.08



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.: 500*72*82			SERIAL No.:		
MFR.:			SUR.:0.326*0.036			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	.254	.144	.046	.224	.127	.040	.167	.096	.031	.115	.067	.021	.068	.039	.013	
2.0	.235	.129	.040	.208	.114	.035	.156	.087	.027	.109	.061	.019	.065	.037	.012	
3.0	.218	.116	.035	.193	.103	.031	.146	.079	.024	.102	.056	.017	.062	.034	.011	
4.0	.203	.105	.031	.180	.094	.028	.136	.072	.022	.096	.051	.016	.058	.032	.010	
5.0	.189	.096	.028	.168	.086	.025	.127	.066	.020	.090	.047	.014	.055	.029	.009	
6.0	.177	.089	.025	.157	.079	.023	.120	.061	.018	.085	.044	.013	.052	.027	.008	
7.0	.166	.082	.023	.147	.073	.021	.112	.057	.016	.080	.041	.012	.049	.026	.008	
8.0	.156	.076	.021	.138	.068	.019	.106	.053	.015	.075	.038	.011	.047	.024	.007	
9.0	.146	.071	.020	.131	.064	.018	.100	.050	.014	.072	.036	.010	.044	.023	.007	
10.0	.138	.066	.018	.123	.060	.017	.095	.046	.013	.068	.034	.010	.042	.021	.006	

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	.775	.775	.775	.662	.662	.662	.452	.452	.452	.260	.260	.260	.083	.083	.083	
1.0	.766	.746	.728	.655	.640	.627	.448	.440	.433	.258	.255	.252	.083	.082	.081	
2.0	.758	.725	.698	.649	.624	.603	.445	.432	.421	.256	.251	.247	.082	.081	.080	
3.0	.751	.710	.678	.644	.613	.588	.442	.426	.412	.255	.249	.243	.082	.081	.080	
4.0	.744	.699	.664	.639	.604	.577	.439	.421	.406	.254	.247	.240	.082	.080	.079	
5.0	.738	.690	.654	.634	.597	.569	.437	.417	.402	.253	.245	.238	.082	.080	.079	
6.0	.733	.683	.647	.630	.591	.564	.434	.414	.399	.252	.244	.237	.081	.080	.078	
7.0	.727	.677	.642	.626	.587	.560	.432	.412	.396	.251	.242	.236	.081	.079	.078	
8.0	.722	.672	.638	.622	.583	.556	.430	.409	.395	.250	.242	.235	.081	.079	.078	
9.0	.717	.668	.635	.618	.580	.554	.428	.408	.393	.249	.241	.235	.081	.079	.078	
10.0	.713	.665	.633	.614	.577	.552	.426	.406	.392	.249	.240	.234	.081	.079	.078	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.: 500*72*82			SERIAL No.:			
MFR.:					SUR.:0.326*0.036			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		14.5	15.2	15.6	16.3	17.7	19.1	19.9	20.2	20.9	22.4
	3H	15.0	15.6	16.1	16.7	18.2	19.8	20.4	20.9	21.5	23.0
	4H	15.3	15.9	16.4	17.0	18.5	20.1	20.7	21.2	21.8	23.3
	6H	15.5	16.1	16.7	17.2	18.7	20.5	21.0	21.6	22.2	23.7
	8H	15.6	16.1	16.8	17.2	18.8	20.6	21.1	21.7	22.2	23.8
	12H	15.6	16.1	16.8	17.2	18.8	20.6	21.1	21.7	22.2	23.7
4H	2H	14.5	15.1	15.6	16.2	17.7	18.7	19.3	19.8	20.4	21.9
	3H	15.2	15.7	16.3	16.8	18.4	19.4	19.9	20.6	21.1	22.6
	4H	15.6	16.1	16.8	17.2	18.8	19.8	20.2	21.0	21.4	22.9
	6H	16.0	16.4	17.2	17.5	19.1	20.3	20.7	21.5	21.9	23.5
	8H	16.1	16.5	17.3	17.6	19.2	20.5	20.8	21.7	22.0	23.6
	12H	16.2	16.5	17.4	17.7	19.3	20.5	20.8	21.6	21.9	23.6
8H	4H	15.7	16.0	16.8	17.2	18.8	19.6	19.9	20.8	21.1	22.7
	6H	16.2	16.5	17.4	17.6	19.3	20.1	20.4	21.3	21.6	23.2
	8H	16.4	16.6	17.6	17.8	19.5	20.3	20.6	21.5	21.8	23.4
	12H	16.6	16.8	17.8	17.9	19.6	20.4	20.6	21.6	21.8	23.4
12H	4H	15.6	15.9	16.8	17.1	18.7	19.5	19.8	20.7	21.0	22.6
	6H	16.2	16.4	17.4	17.6	19.2	20.1	20.3	21.3	21.5	23.1
	8H	16.4	16.6	17.6	17.8	19.5	20.3	20.5	21.5	21.7	23.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 1.1					+ 0.5 / - 0.6					
1.5H	+ 1.1 / - 1.3					+ 0.8 / - 1.2					
2.0H	+ 1.1 / - 0.5					+ 2.1 / - 2.1					

CIE Pub.117, 7823 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:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

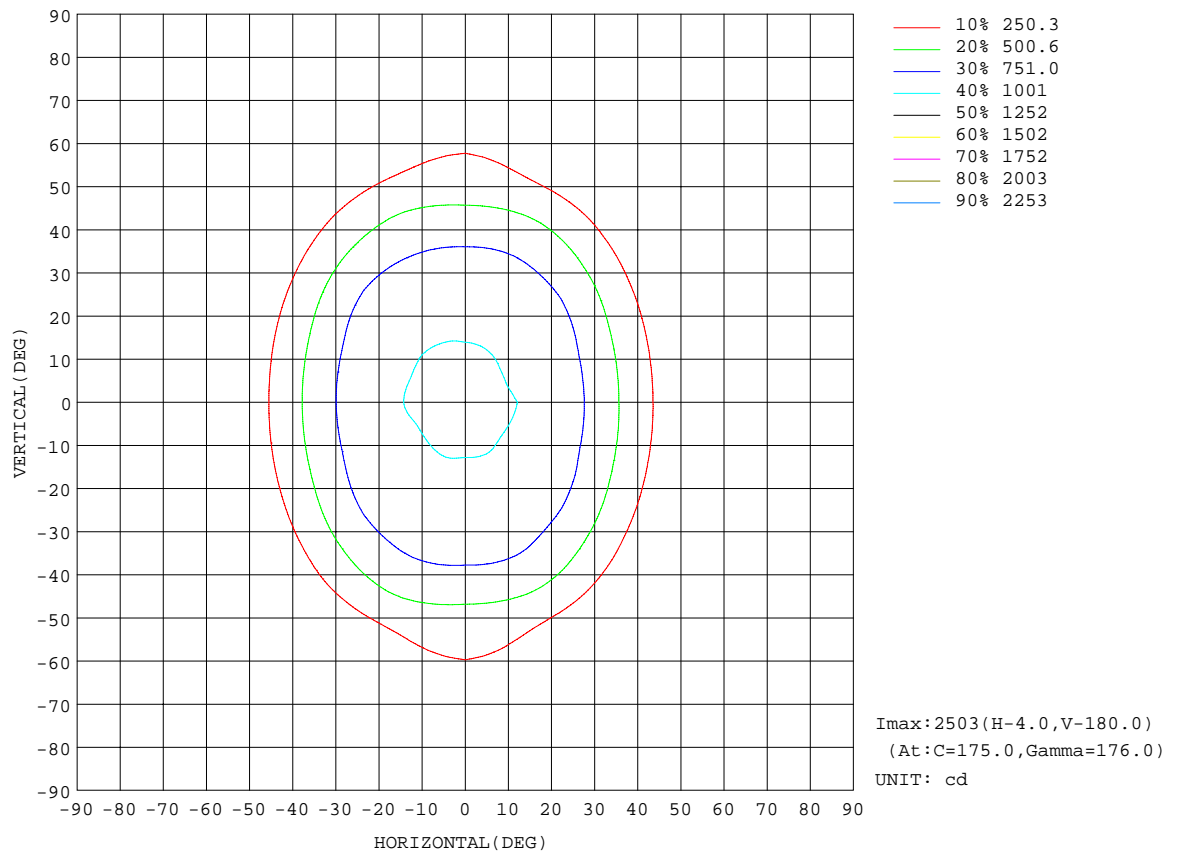
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	40	30	25	36	28	23	30	24	20	12
0.80	49	38	32	44	35	30	36	30	25	14
1.00	56	45	39	51	41	36	41	35	30	16
1.25	63	52	45	56	48	42	45	39	35	17
1.50	68	58	51	61	52	46	48	42	38	18
2.00	75	65	59	67	59	53	52	47	43	19
2.50	79	71	64	70	64	58	55	50	47	20
3.00	82	75	69	73	67	62	57	53	50	20
4.00	86	80	75	77	72	68	60	56	53	21
5.00	89	84	79	79	75	71	61	58	56	21
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:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

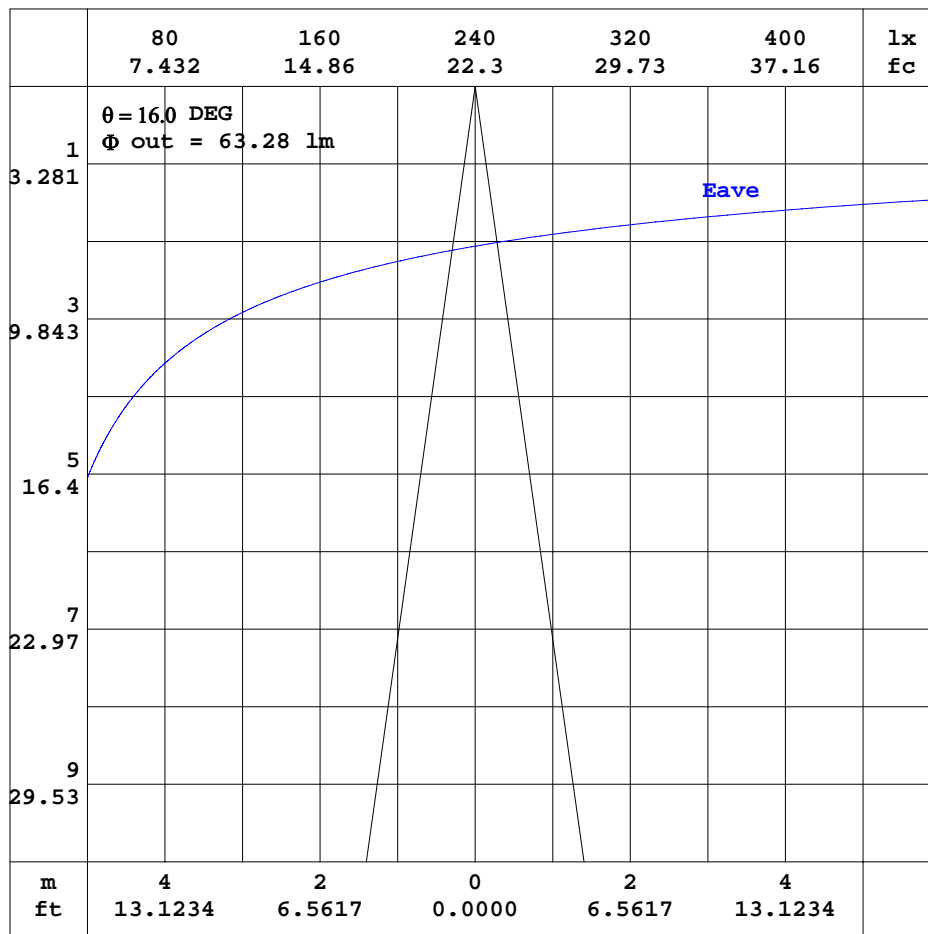


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



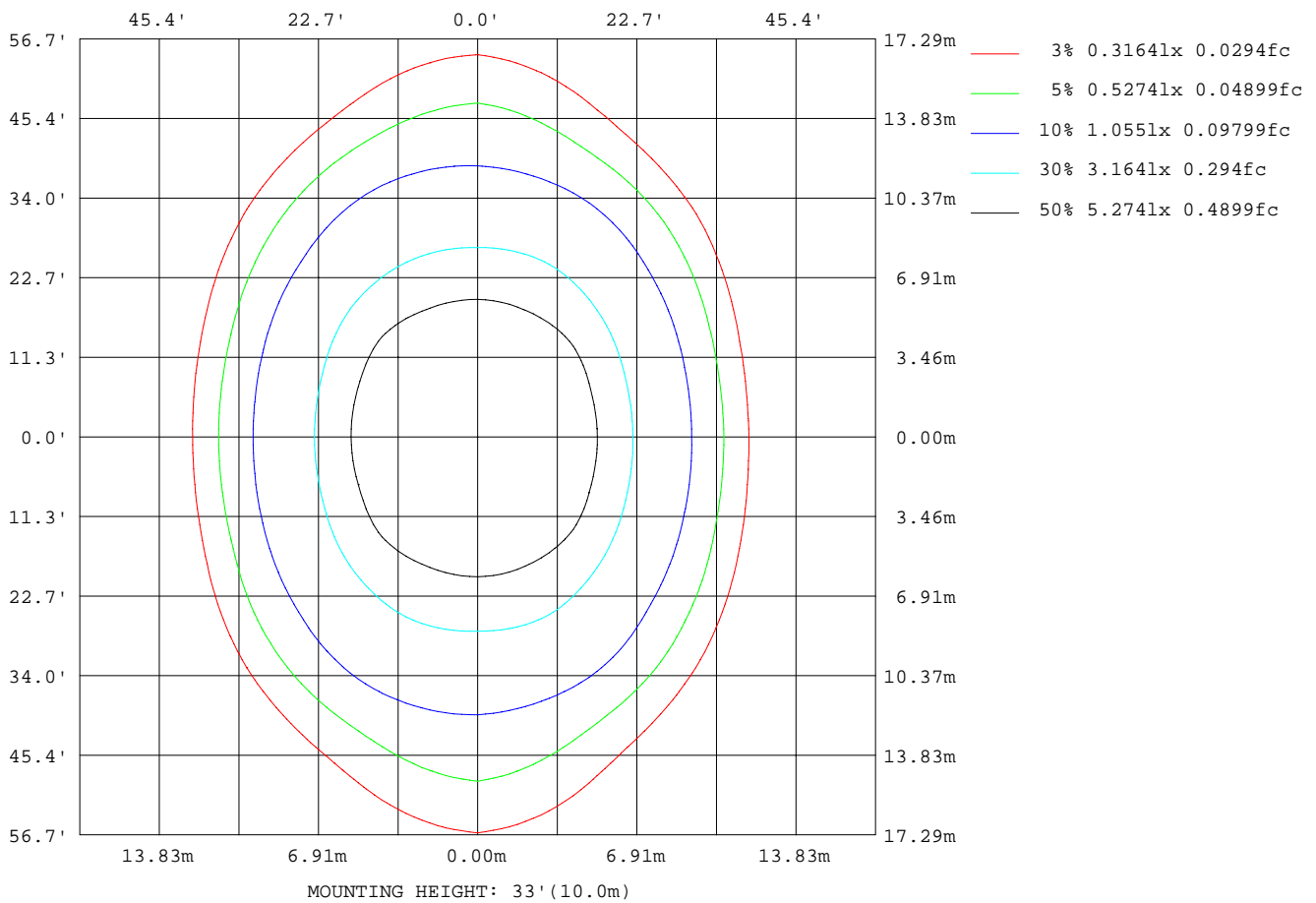
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	Shielding Angle:

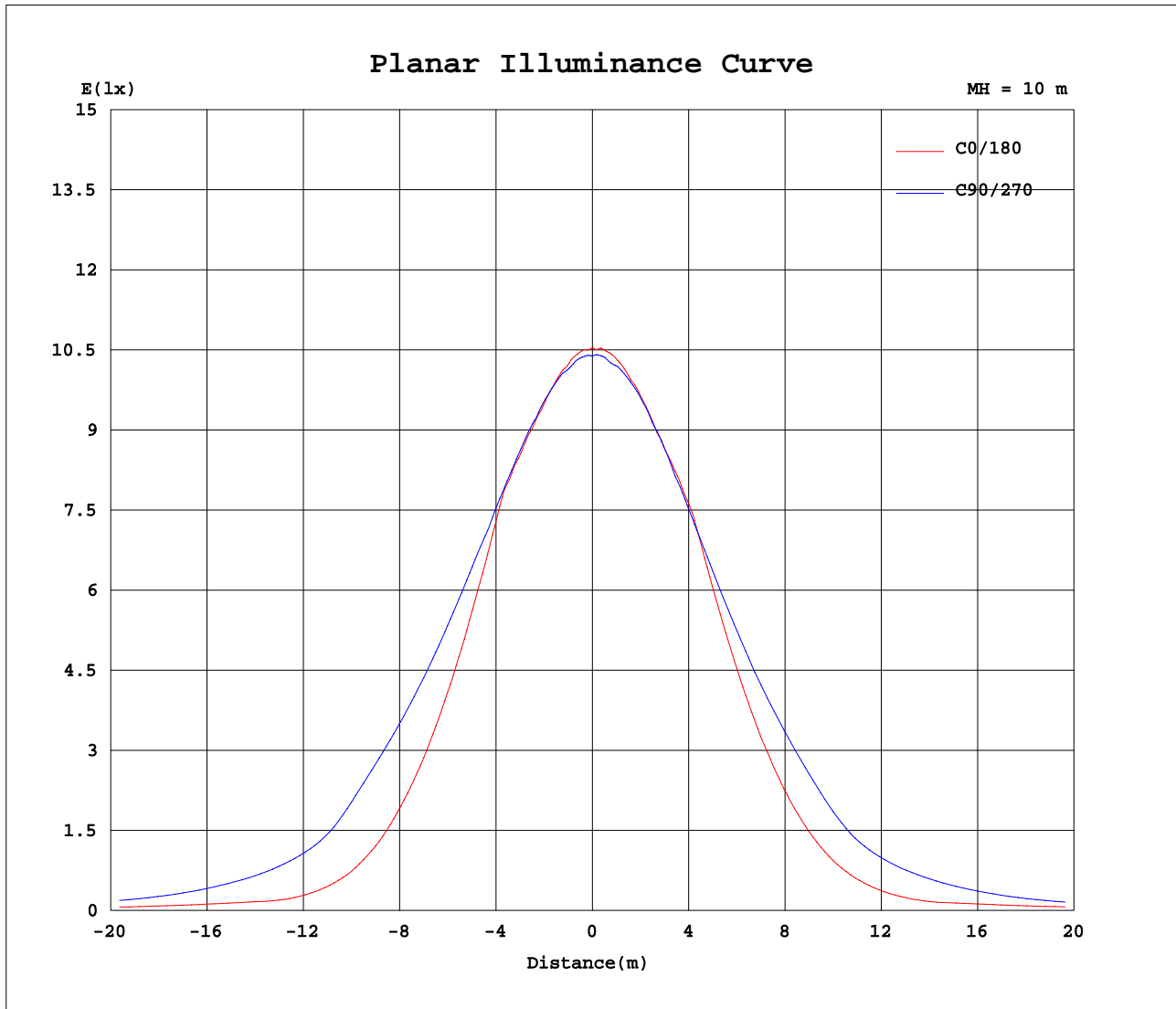
AvgL	cd/m2
L_0~180(65)av	13582
L_0~180(75)av	13864
L_0~180(85)av	15331
L_90~270(65)av	32544
L_90~270(75)av	25818
L_90~270(85)av	5777
L_45(65)av	12436
L_45(75)av	12827
L_45(85)av	13282

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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: 2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1055	1051	1048	1046	1044	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1041	1040	1039	1038
5	1044	1042	1040	1039	1038	1036	1035	1034	1033	1033	1033	1034	1034	1035	1035	1034	1033	1032	1032
10	1017	1015	1014	1013	1013	1013	1013	1014	1014	1015	1016	1016	1017	1017	1018	1018	1018	1018	1018
15	986	984	982	980	979	978	978	978	978	978	980	982	984	987	988	990	990	991	992
20	952	950	948	947	945	944	943	942	941	941	943	945	947	949	951	953	954	955	956
25	827	831	836	842	849	857	867	878	887	896	899	901	902	903	904	907	910	912	913
30	678	682	689	698	711	729	751	774	797	817	826	833	837	840	844	849	854	857	860
35	521	525	534	545	561	581	607	635	663	691	715	736	755	771	783	789	792	794	794
40	358	362	371	383	400	422	449	479	512	546	582	617	650	679	698	707	712	713	712
45	208	211	217	227	241	259	281	307	337	369	410	452	492	528	552	564	571	574	575
50	112	114	118	125	135	147	163	181	201	224	252	280	308	336	359	378	394	406	413
55	84.4	78.4	75.4	75.4	78.3	84.8	94.7	107	121	137	153	170	188	207	232	261	288	310	325
60	77.6	76.8	76.3	76.1	76.3	75.5	74.2	74.3	76.4	81.3	94.0	109	127	147	169	194	216	235	246
65	65.1	65.2	65.2	65.3	65.2	64.1	62.3	61.3	61.9	64.5	73.7	85.0	98.0	112	128	144	159	171	178
70	52.6	52.5	52.4	52.4	52.5	52.2	51.7	51.6	52.1	53.4	56.4	60.4	65.6	72.1	82.0	94.8	107	117	124
75	39.8	39.8	39.9	40.0	40.0	40.0	40.0	40.1	40.1	40.1	38.1	36.8	36.7	38.4	46.8	61.1	75.4	88.0	96.8
80	25.8	25.8	25.9	26.0	26.0	26.1	26.3	26.4	26.6	26.8	25.7	25.0	25.2	26.8	33.0	43.3	53.7	62.9	69.4
85	11.9	11.9	11.9	12.0	12.1	12.2	12.3	12.5	12.7	12.8	13.2	13.6	13.8	13.9	13.4	12.3	11.2	10.4	9.99
90	1.04	1.11	1.18	1.24	1.29	1.34	1.38	1.42	1.45	1.47	1.50	1.51	1.50	1.47	1.30	1.04	0.81	0.66	0.64
95	8.71	9.21	9.90	10.8	11.9	13.3	15.1	16.9	18.7	20.3	18.9	18.0	18.5	21.2	31.0	47.6	64.9	81.2	94.8
100	31.6	30.2	29.6	29.7	30.7	31.8	33.3	36.2	40.6	47.1	58.0	70.8	85.4	101	120	140	159	177	191
105	78.7	77.6	78.1	80.1	83.8	88.6	94.8	103	113	126	145	166	188	210	230	248	265	279	292
110	157	156	157	161	167	176	188	202	219	238	263	289	316	341	361	376	388	399	409
115	281	279	281	285	293	304	319	337	358	380	408	436	464	490	511	527	540	552	562
120	454	453	455	461	470	484	503	524	547	571	597	623	649	674	694	711	727	741	754
125	674	668	668	673	684	704	732	762	794	826	847	867	885	903	920	938	956	973	990
130	966	966	969	977	988	1006	1029	1054	1080	1104	1121	1136	1150	1164	1180	1198	1217	1236	1255
135	1318	1315	1314	1317	1322	1331	1343	1357	1373	1388	1399	1411	1422	1435	1449	1467	1485	1503	1521
140	1626	1618	1612	1609	1608	1611	1617	1625	1635	1645	1654	1663	1673	1684	1697	1710	1725	1739	1754
145	1860	1849	1840	1835	1832	1833	1837	1843	1851	1859	1866	1874	1882	1890	1900	1912	1924	1936	1948
150	2038	2026	2017	2011	2007	2007	2010	2015	2021	2028	2033	2037	2043	2049	2057	2067	2077	2087	2097
155	2177	2164	2153	2146	2140	2139	2141	2144	2149	2155	2158	2162	2167	2172	2179	2188	2197	2206	2215
160	2286	2272	2262	2253	2248	2247	2249	2253	2258	2263	2265	2267	2270	2273	2278	2285	2293	2300	2308
165	2370	2358	2349	2341	2336	2333	2332	2333	2335	2338	2342	2346	2351	2356	2360	2365	2370	2374	2379
170	2433	2419	2407	2399	2393	2391	2393	2396	2400	2405	2405	2405	2405	2406	2409	2413	2419	2424	2429
175	2475	2460	2448	2438	2432	2430	2431	2434	2438	2443	2445	2447	2449	2450	2451	2452	2453	2454	2455
180	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.: 500*72*82					SERIAL No.:				
MFR.:									SUR.:0.326*0.036					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	1039	1039	1040	1040	1040	1039	1039	1038	1037	1036	1035	1034	1035	1037	1042	1047	1051	1055	1053
5	1032	1033	1034	1035	1035	1034	1033	1032	1031	1031	1031	1032	1033	1036	1040	1044	1048	1051	1050
10	1018	1018	1018	1018	1018	1017	1016	1015	1014	1014	1014	1014	1015	1017	1021	1025	1028	1031	1030
15	993	993	993	993	992	990	988	986	984	983	982	982	982	984	986	989	992	994	993
20	956	956	955	954	953	951	949	948	947	946	946	947	948	952	956	961	965	968	966
25	914	914	913	912	911	909	907	905	903	901	900	898	896	894	891	889	887	887	891
30	859	858	856	854	855	858	860	859	856	839	820	800	780	766	757	752	749	749	751
35	795	795	794	791	786	778	768	755	739	715	690	664	640	621	608	599	593	591	594
40	716	718	717	712	700	680	656	629	601	570	538	509	481	460	445	434	428	426	429
45	582	586	586	581	565	536	503	467	431	399	370	343	318	299	284	274	267	265	267
50	415	412	405	393	374	350	323	295	267	242	219	199	180	166	157	150	146	145	147
55	315	297	275	250	228	210	194	178	162	145	129	114	101	92.5	87.5	84.6	83.7	84.2	83.8
60	237	221	201	178	157	140	123	109	96.1	88.5	83.2	79.7	77.9	77.2	77.5	78.4	79.5	80.6	79.4
65	172	162	149	134	118	103	88.0	75.0	64.5	62.1	62.3	64.1	67.0	68.8	69.2	69.4	69.5	69.5	69.6
70	120	112	101	90.2	80.6	73.2	66.7	61.1	56.8	55.2	54.8	55.1	55.9	56.4	56.6	56.8	57.0	57.1	57.0
75	88.4	76.3	62.4	48.5	40.7	39.5	40.1	41.9	44.3	44.3	44.3	44.3	44.2	44.2	44.3	44.3	44.4	44.4	44.4
80	63.8	55.6	46.1	36.5	30.9	29.7	29.8	30.7	32.0	31.9	31.8	31.7	31.6	31.6	31.6	31.7	31.7	31.7	31.7
85	11.5	13.4	15.5	17.4	18.5	18.7	18.6	18.3	18.0	18.2	18.4	18.6	18.9	19.1	19.3	19.4	19.5	19.5	19.5
90	1.07	1.64	2.31	3.05	3.79	4.50	5.20	5.86	6.48	6.96	7.38	7.74	8.04	8.32	8.57	8.76	8.88	8.93	8.99
95	95.1	91.9	86.3	79.1	73.0	68.4	63.9	59.7	55.9	52.7	50.1	47.9	46.2	45.3	45.0	45.1	45.3	45.7	45.2
100	196	197	195	190	183	173	162	151	140	133	126	121	117	114	112	111	111	111	110
105	302	309	313	314	309	299	286	273	259	249	240	233	226	220	217	214	212	211	211
110	421	433	442	447	447	439	429	417	405	397	388	381	374	368	363	359	356	355	354
115	576	588	599	608	615	618	618	617	613	604	593	582	572	566	564	565	566	567	565
120	769	784	798	812	827	843	857	867	873	865	853	839	825	815	812	810	810	810	809
125	1007	1024	1040	1058	1077	1099	1120	1138	1154	1159	1160	1159	1156	1153	1150	1146	1144	1142	1143
130	1272	1289	1306	1323	1344	1367	1389	1411	1431	1445	1457	1467	1476	1483	1489	1494	1498	1499	1498
135	1537	1553	1568	1585	1603	1624	1645	1665	1684	1699	1712	1723	1734	1744	1755	1763	1770	1774	1771
140	1768	1782	1796	1811	1827	1844	1861	1877	1893	1905	1916	1926	1935	1945	1954	1963	1969	1972	1968
145	1958	1969	1980	1991	2003	2017	2031	2045	2057	2067	2076	2085	2092	2100	2109	2116	2122	2124	2118
150	2105	2112	2120	2128	2138	2151	2163	2175	2187	2195	2203	2210	2216	2223	2231	2237	2242	2244	2237
155	2223	2230	2237	2244	2253	2262	2271	2280	2288	2295	2301	2307	2312	2319	2325	2331	2336	2337	2332
160	2312	2316	2320	2325	2331	2340	2349	2358	2367	2373	2378	2383	2387	2393	2399	2404	2407	2408	2401
165	2383	2388	2392	2397	2402	2406	2411	2416	2421	2426	2431	2436	2441	2446	2452	2456	2458	2459	2453
170	2433	2437	2440	2443	2447	2451	2455	2459	2463	2467	2470	2473	2476	2480	2484	2488	2490	2490	2483
175	2458	2461	2464	2468	2471	2474	2478	2480	2483	2486	2488	2490	2492	2495	2498	2501	2503	2502	2495
180	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 500*72*82	SERIAL No.:
MFR.:	SUR.:0.326*0.036	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	1051	1048	1045	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1041	1040	1039	1038	1039	1039
5	1049	1047	1045	1043	1042	1041	1041	1041	1040	1040	1040	1040	1039	1038	1037	1036	1035	1034	1034
10	1028	1026	1024	1023	1024	1025	1026	1026	1026	1026	1026	1026	1025	1026	1026	1025	1025	1023	1020
15	992	990	989	990	992	995	997	1000	1000	1000	1000	1000	999	999	999	998	997	995	992
20	964	961	957	955	954	953	953	953	953	954	954	955	956	957	957	957	957	954	951
25	895	900	905	909	911	912	912	912	910	909	907	905	905	906	906	907	907	904	901
30	755	762	772	786	804	822	839	854	855	854	850	846	844	844	845	845	845	842	838
35	599	609	621	640	664	689	714	736	747	756	761	765	767	770	771	771	770	770	768
40	436	447	462	483	509	537	565	592	614	633	650	663	672	676	677	677	674	675	674
45	273	283	296	314	336	360	386	412	441	468	492	514	527	531	532	529	524	523	520
50	151	158	168	181	197	215	235	257	281	306	329	350	366	376	382	384	381	373	362
55	84.9	87.7	92.6	101	113	127	142	158	172	187	202	217	235	256	274	287	294	280	260
60	78.1	77.1	76.6	77.1	78.7	81.8	86.6	93.4	105	119	134	149	165	182	196	207	212	202	186
65	69.4	69.0	68.4	66.1	62.4	59.6	58.4	59.5	69.3	81.2	94.3	108	120	130	138	143	145	138	128
70	56.8	56.5	56.0	54.9	53.2	51.8	51.0	51.1	54.2	58.2	62.9	68.0	73.9	80.1	85.4	89.2	91.0	85.6	78.4
75	44.3	44.1	43.7	43.0	41.9	40.6	39.4	38.1	36.2	34.7	33.9	34.1	37.5	43.9	50.3	56.0	59.9	55.6	49.5
80	31.7	31.5	31.2	30.4	29.2	27.9	26.6	25.4	24.7	24.2	23.9	24.0	24.9	26.5	28.1	29.5	30.4	28.9	27.0
85	19.4	19.1	18.7	17.9	16.8	15.7	14.6	13.6	13.7	13.8	13.8	13.6	12.0	9.13	6.26	3.71	1.82	3.14	5.13
90	8.93	8.73	8.35	7.52	6.28	4.98	3.73	2.63	2.41	2.38	2.47	2.59	2.46	2.08	1.67	1.29	0.96	0.99	1.08
95	44.8	44.5	44.5	45.1	46.3	47.9	49.9	52.4	55.3	58.6	62.4	66.6	73.0	81.3	88.3	92.9	94.2	82.0	67.0
100	110	110	112	113	116	120	125	131	141	152	163	173	181	187	190	191	188	177	164
105	212	214	216	220	225	230	237	246	259	272	285	296	302	303	301	297	290	281	271
110	355	357	361	365	371	378	386	395	408	420	432	440	442	437	429	419	408	401	392
115	564	563	564	567	573	579	587	594	603	611	617	620	616	604	591	575	560	552	544
120	809	811	814	822	834	847	858	866	865	861	853	843	829	813	796	778	760	748	737
125	1145	1148	1151	1155	1159	1162	1163	1162	1152	1139	1123	1106	1087	1067	1047	1026	1007	992	977
130	1496	1492	1486	1480	1472	1464	1454	1444	1433	1420	1406	1391	1373	1352	1330	1308	1287	1270	1254
135	1766	1759	1750	1741	1732	1723	1713	1702	1692	1681	1669	1655	1639	1621	1602	1582	1564	1548	1533
140	1962	1953	1944	1935	1929	1922	1916	1908	1899	1889	1879	1868	1856	1842	1829	1815	1801	1789	1777
145	2109	2099	2089	2082	2078	2075	2072	2068	2063	2057	2050	2042	2031	2019	2007	1994	1982	1974	1966
150	2227	2217	2206	2199	2196	2193	2191	2189	2186	2182	2178	2172	2165	2156	2146	2136	2127	2120	2114
155	2324	2315	2305	2299	2296	2293	2291	2289	2286	2283	2280	2275	2269	2261	2253	2245	2238	2234	2231
160	2392	2383	2373	2368	2366	2365	2364	2364	2361	2358	2354	2350	2346	2342	2338	2334	2330	2326	2322
165	2444	2435	2427	2421	2419	2418	2418	2417	2414	2411	2408	2404	2402	2400	2399	2398	2397	2395	2393
170	2475	2466	2457	2452	2450	2450	2451	2452	2451	2450	2449	2448	2447	2446	2445	2443	2442	2441	2440
175	2486	2477	2469	2464	2463	2463	2464	2465	2465	2464	2463	2463	2463	2463	2464	2465	2466	2466	2467
180	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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:229.74V I:0.2759A P:61.021W PF:0.9626 Freq:49.99Hz Lamp Flux:7822.92x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.: 500*72*82						SERIAL No.:		
MFR.:									SUR.:0.326*0.036						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	1040	1040	1040	1039	1039	1038	1037	1036	1035	1034	1035	1036	1039	1043	1049				
5	1034	1034	1034	1033	1032	1032	1031	1030	1029	1028	1028	1029	1032	1035	1039				
10	1018	1015	1014	1013	1012	1012	1011	1009	1007	1005	1004	1004	1006	1008	1012				
15	989	987	984	983	981	980	978	976	974	973	972	973	975	977	981				
20	948	945	943	942	941	941	940	939	939	938	938	939	941	944	947				
25	897	894	894	895	896	896	895	885	874	862	850	841	835	831	828				
30	833	829	825	824	821	816	807	787	765	742	719	702	691	684	679				
35	765	759	749	735	718	698	677	650	622	595	570	551	537	528	522				
40	669	661	644	618	590	558	526	495	464	436	410	390	375	365	360				
45	513	502	482	452	420	385	351	323	297	273	252	236	223	215	210				
50	347	329	309	286	262	238	214	193	174	156	141	129	121	115	112				
55	237	211	189	172	157	143	129	115	102	91.1	82.1	76.4	74.2	74.8	78.2				
60	167	147	128	112	96.9	84.1	73.9	70.7	69.9	71.0	73.1	74.6	75.2	75.9	76.7				
65	116	103	90.9	80.8	71.7	64.1	58.1	57.2	57.8	59.5	61.9	63.5	64.2	64.6	65.0				
70	70.2	61.9	55.7	52.0	49.3	47.5	46.5	46.6	47.4	48.5	49.8	50.7	51.3	51.8	52.2				
75	42.6	35.7	31.7	30.9	31.1	32.0	33.3	34.3	35.4	36.5	37.6	38.5	39.1	39.5	39.7				
80	24.9	22.7	21.3	20.7	20.5	20.6	20.9	21.7	22.6	23.6	24.6	25.3	25.7	25.9	25.9				
85	7.46	9.80	11.0	11.0	10.7	10.3	9.84	10.2	10.6	11.0	11.5	11.8	11.9	12.0	12.0				
90	1.21	1.34	1.35	1.23	1.09	0.95	0.83	0.86	0.92	0.99	1.07	1.11	1.12	1.11	1.08				
95	50.7	34.9	24.9	21.3	19.6	19.3	19.6	18.0	16.5	15.0	13.6	12.4	11.3	10.3	9.47				
100	148	131	113	96.0	79.6	64.5	51.4	43.7	38.3	34.7	32.5	30.9	29.6	29.4	30.0				
105	258	243	223	200	177	154	132	119	108	99.1	92.5	87.0	82.6	79.8	78.5				
110	382	370	351	327	301	275	249	230	213	198	186	175	167	162	158				
115	534	522	503	477	449	420	393	370	350	333	317	305	295	288	283				
120	725	711	692	668	642	616	589	565	542	521	502	486	474	465	458				
125	963	948	931	912	892	870	847	818	789	761	734	713	698	686	678				
130	1238	1222	1206	1189	1171	1153	1134	1112	1090	1068	1047	1028	1011	995	980				
135	1519	1504	1489	1472	1455	1438	1422	1410	1398	1387	1376	1365	1353	1342	1330				
140	1766	1754	1740	1726	1712	1698	1686	1677	1669	1663	1657	1650	1644	1638	1632				
145	1959	1952	1943	1932	1922	1911	1901	1895	1889	1883	1879	1874	1870	1866	1863				
150	2108	2102	2096	2089	2081	2074	2068	2063	2059	2055	2052	2049	2046	2043	2040				
155	2228	2225	2221	2215	2209	2203	2198	2194	2191	2188	2186	2184	2182	2180	2178				
160	2319	2316	2312	2309	2305	2302	2299	2297	2295	2293	2291	2290	2289	2288	2287				
165	2391	2388	2386	2383	2381	2378	2376	2375	2374	2373	2372	2372	2371	2370	2370				
170	2439	2438	2436	2435	2434	2433	2432	2432	2431	2431	2431	2431	2432	2432	2432				
175	2467	2467	2468	2468	2468	2468	2469	2469	2469	2470	2471	2471	2472	2473	2474				
180	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-10-10

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: