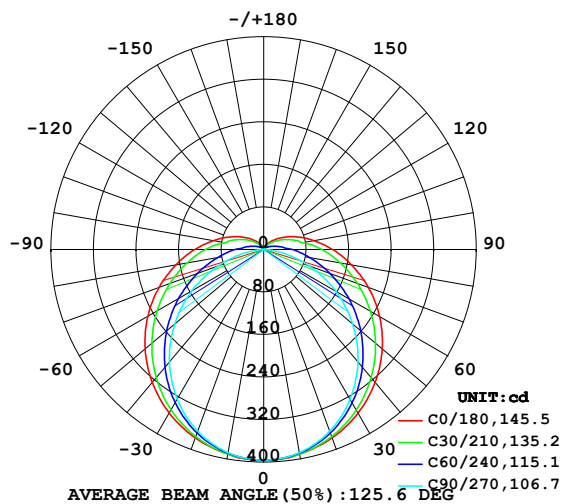


LUMINAIRE PHOTOMETRIC TEST REPORT

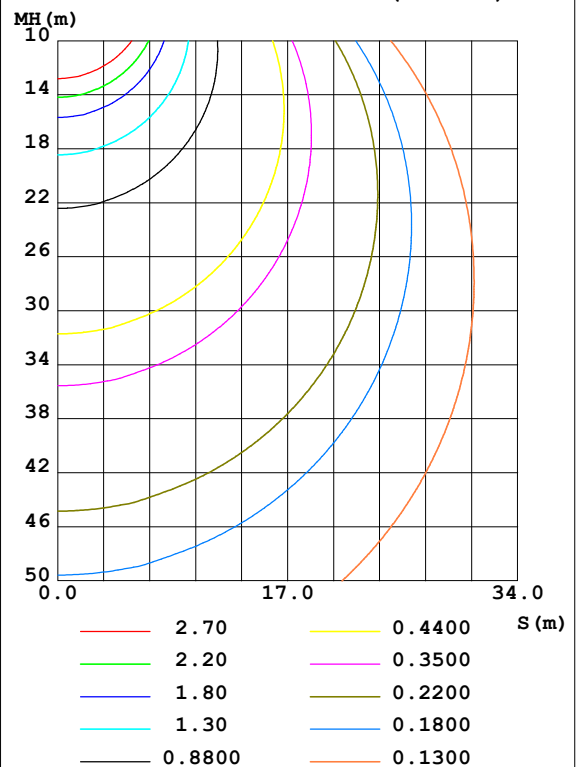
Test:U:230.4V I:0.1510A P:33.92W PF:0.9747 Freq:49.99Hz Lamp Flux:1542.96x1 lm		
NAME: TI60LP-LC-36-1200K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TUBI	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 45.48 lm/W			
MODEL		I _{max} (cd)	396.3	S/MH (C0/180)	1.34
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1543.0	η UP, DN (C0-180)	5.9, 44.1
NOMINAL FLUX (lm)	1542.96	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.9, 44.1
LAMPS INSIDE	1	η up (%)	11.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	230	η down (%)	88.2	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	390.5	389.8	387.9	389.8	390.5	389.8	387.9	389.8	0- 10	37.52	37.52	2.43,2.43
20	376.9	370.8	363.5	370.8	376.9	370.8	363.5	370.8	10- 20	107.8	145.3	9.42,9.42
30	355.2	340.7	325.2	340.7	355.2	340.7	325.2	340.7	20- 30	164.7	310.0	20.1,20.1
40	326.2	301.8	275.9	301.8	326.2	301.8	275.9	301.8	30- 40	201.8	511.8	33.2,33.2
50	291.1	257.0	218.7	257.0	291.1	257.0	218.7	257.0	40- 50	216.1	727.9	47.2,47.2
60	251.5	209.5	156.3	209.5	251.5	209.5	156.3	209.5	50- 60	207.9	935.8	60.6,60.6
70	209.7	162.9	91.87	162.9	209.7	162.9	91.87	162.9	60- 70	181.0	1117	72.4,72.4
80	167.8	120.5	31.96	120.5	167.8	120.5	31.96	120.5	70- 80	142.4	1259	81.6,81.6
90	129.7	85.31	0.8546	85.31	129.7	85.31	0.8546	85.31	80- 90	102.3	1362	88.2,88.2
100	96.71	57.08	1.134	57.08	96.71	57.08	1.134	57.08	90-100	70.07	1432	92.8,92.8
110	69.35	37.86	1.485	37.86	69.35	37.86	1.485	37.86	100-110	46.35	1478	95.8,95.8
120	47.45	22.93	1.864	22.93	47.45	22.93	1.864	22.93	110-120	29.78	1508	97.7,97.7
130	30.55	13.45	2.251	13.45	30.55	13.45	2.251	13.45	120-130	17.41	1525	98.8,98.8
140	18.29	8.021	2.648	8.021	18.29	8.021	2.648	8.021	130-140	9.373	1535	99.5,99.5
150	10.13	5.179	2.998	5.179	10.13	5.179	2.998	5.179	140-150	4.703	1539	99.8,99.8
160	5.567	4.012	3.297	4.012	5.567	4.012	3.297	4.012	150-160	2.275	1542	99.9,99.9
170	3.794	3.593	3.492	3.593	3.794	3.593	3.492	3.593	160-170	1.088	1543	100,100
180	3.647	3.580	3.599	3.580	3.647	3.580	3.599	3.580	170-180	0.3428	1543	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 619.5 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 935.8 lm

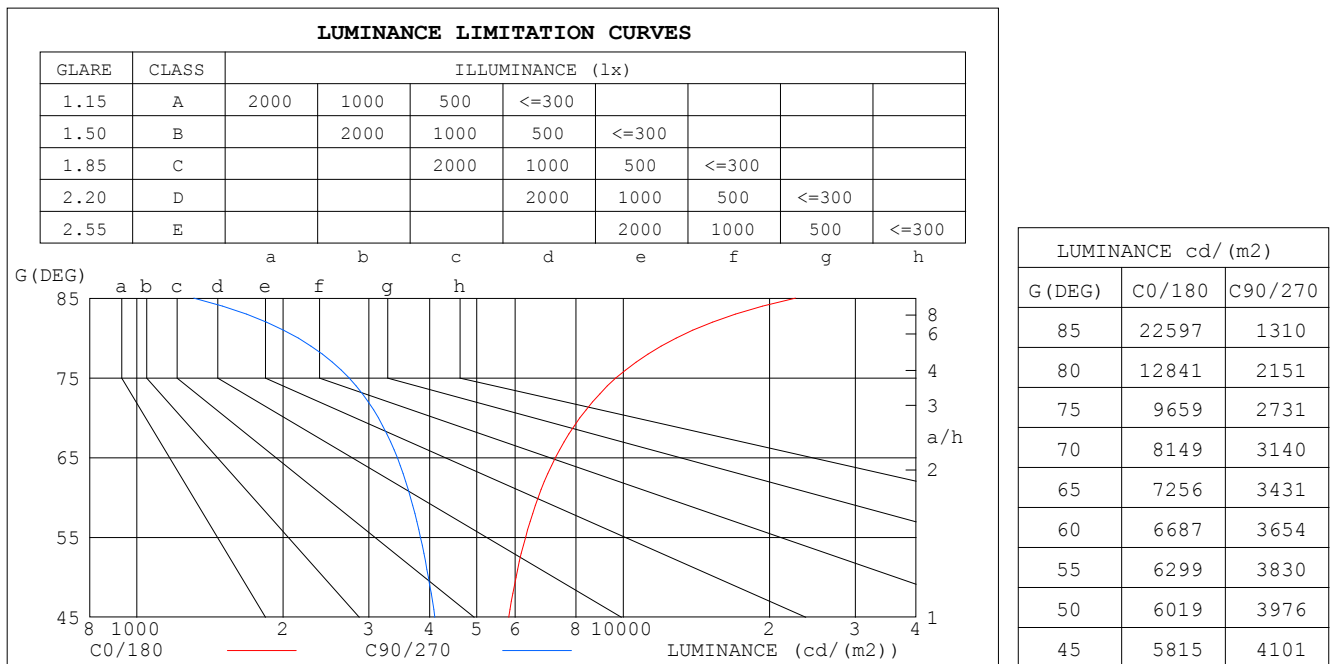
%lum = 60.6%

%lamp = 60.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

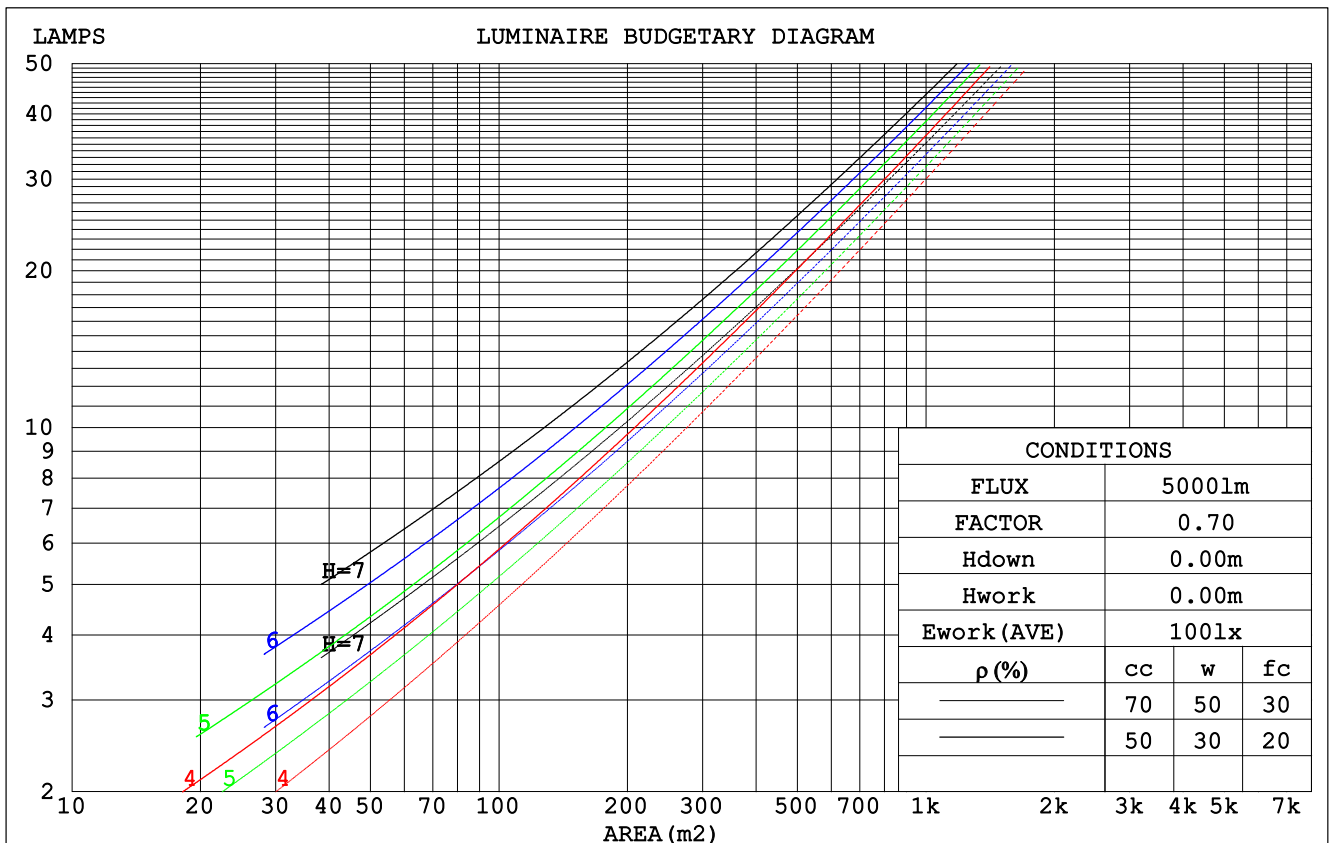


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.530m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.05	1.05	1.05	.98	.98	.98	.91	.91	.91	.88
1.0	.98	.93	.88	.94	.90	.85	.88	.84	.80	.82	.79	.76	.76	.74	.72	.69
2.0	.84	.76	.70	.81	.74	.68	.75	.70	.65	.70	.66	.61	.66	.62	.58	.55
3.0	.73	.64	.57	.70	.62	.56	.66	.59	.53	.61	.56	.51	.57	.53	.48	.46
4.0	.64	.55	.48	.62	.53	.47	.58	.51	.45	.54	.48	.43	.51	.45	.41	.38
5.0	.57	.48	.41	.55	.46	.40	.52	.44	.38	.49	.42	.37	.45	.40	.35	.33
6.0	.51	.42	.35	.50	.41	.35	.47	.39	.33	.44	.37	.32	.41	.35	.31	.29
7.0	.46	.37	.31	.45	.36	.30	.42	.35	.29	.40	.33	.28	.37	.32	.27	.25
8.0	.42	.33	.27	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.29	.24	.22
9.0	.39	.30	.24	.37	.30	.24	.35	.28	.23	.34	.27	.23	.32	.26	.22	.20
10.0	.35	.27	.22	.35	.27	.22	.33	.26	.21	.31	.25	.20	.29	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

WEC AND CCEC

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	.373	.212	.067	.363	.207	.066	.342	.196	.063	.324	.187	.060	.307	.178	.057		
2.0	.327	.179	.055	.318	.175	.054	.299	.166	.052	.283	.159	.050	.267	.151	.048		
3.0	.293	.156	.047	.284	.152	.046	.267	.145	.044	.252	.138	.042	.238	.132	.041		
4.0	.264	.137	.040	.257	.134	.040	.242	.128	.038	.228	.122	.037	.215	.117	.036		
5.0	.241	.123	.036	.234	.120	.035	.221	.115	.034	.208	.110	.033	.197	.105	.032		
6.0	.221	.111	.032	.215	.109	.031	.203	.104	.030	.191	.099	.029	.181	.095	.028		
7.0	.204	.101	.029	.199	.099	.028	.188	.095	.027	.177	.091	.026	.168	.087	.026		
8.0	.190	.093	.026	.184	.091	.026	.174	.087	.025	.165	.084	.024	.156	.080	.023		
9.0	.177	.086	.024	.172	.084	.024	.163	.081	.023	.154	.077	.022	.146	.074	.021		
10.0	.166	.080	.022	.161	.078	.022	.153	.075	.021	.145	.072	.020	.137	.069	.020		

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	.280	.280	.280	.239	.239	.239	.163	.163	.163	.094	.094	.094	.030	.030	.030	
1.0	.275	.246	.220	.235	.211	.189	.161	.145	.131	.093	.084	.076	.030	.027	.025	
2.0	.268	.223	.185	.229	.192	.160	.157	.133	.111	.091	.077	.065	.029	.025	.021	
3.0	.260	.206	.163	.223	.178	.141	.153	.123	.099	.088	.072	.058	.028	.023	.019	
4.0	.252	.193	.148	.217	.167	.128	.149	.116	.090	.086	.068	.054	.028	.022	.018	
5.0	.245	.183	.138	.210	.158	.120	.145	.111	.085	.084	.065	.050	.027	.021	.017	
6.0	.237	.175	.130	.204	.152	.114	.141	.106	.080	.082	.062	.048	.026	.020	.016	
7.0	.230	.168	.125	.198	.146	.109	.137	.102	.077	.079	.060	.046	.026	.020	.015	
8.0	.223	.163	.121	.192	.141	.105	.133	.099	.075	.077	.058	.045	.025	.019	.015	
9.0	.217	.158	.118	.187	.137	.103	.130	.096	.073	.076	.057	.044	.024	.019	.014	
10.0	.211	.154	.115	.182	.133	.101	.126	.094	.071	.074	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.530m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	17.2	18.6	17.6	19.0	19.4	14.9	16.3	15.3	16.7	17.2
3H	19.7	21.0	20.2	21.5	22.0	16.2	17.6	16.7	18.0	18.5
4H	21.1	22.4	21.6	22.8	23.3	16.7	18.0	17.2	18.5	19.0
6H	22.6	23.8	23.1	24.3	24.8	17.1	18.3	17.6	18.7	19.3
8H	23.5	24.6	24.0	25.1	25.7	17.1	18.3	17.7	18.8	19.3
12H	24.5	25.6	25.0	26.1	26.6	17.2	18.3	17.7	18.8	19.3
4H 2H	17.6	18.9	18.1	19.4	19.9	15.9	17.2	16.4	17.7	18.2
3H	20.4	21.5	20.9	22.0	22.6	17.6	18.7	18.1	19.2	19.7
4H	22.0	23.0	22.5	23.5	24.1	18.3	19.3	18.8	19.8	20.4
6H	23.7	24.6	24.3	25.2	25.8	18.8	19.7	19.3	20.2	20.8
8H	24.7	25.6	25.3	26.1	26.8	18.9	19.8	19.5	20.3	21.0
12H	25.8	26.6	26.4	27.2	27.9	19.0	19.8	19.6	20.4	21.0
8H 4H	22.3	23.1	22.9	23.7	24.3	19.3	20.1	19.8	20.7	21.3
6H	24.3	25.0	24.9	25.6	26.3	20.1	20.9	20.7	21.5	22.1
8H	25.5	26.1	26.1	26.7	27.4	20.5	21.1	21.1	21.7	22.4
12H	26.8	27.4	27.5	28.0	28.8	20.7	21.3	21.4	21.9	22.6
12H 4H	22.3	23.1	22.9	23.7	24.3	19.6	20.4	20.2	21.0	21.6
6H	24.4	25.0	25.0	25.7	26.4	20.7	21.3	21.3	21.9	22.6
8H	25.7	26.2	26.3	26.9	27.6	21.2	21.8	21.9	22.4	23.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1543 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.530m [K=1.0000]
Remarks:

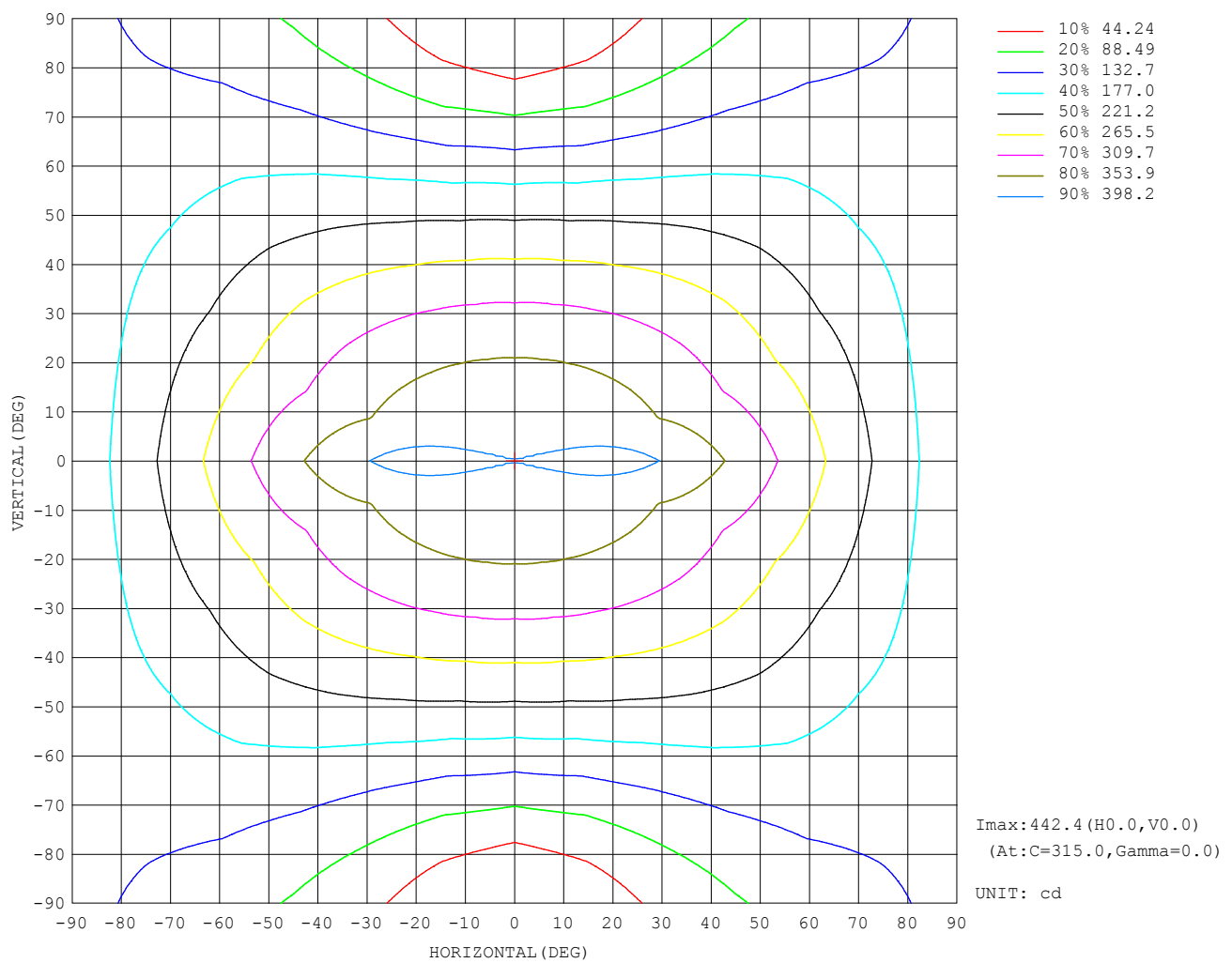
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	51	38	31	50	38	31	48	37	31	24
0.80	60	47	39	59	47	39	56	45	38	31
1.00	68	55	47	66	54	47	63	55	46	38
1.25	75	63	54	73	61	54	69	59	52	43
1.50	80	68	60	77	67	59	73	64	57	48
2.00	87	76	68	84	75	67	79	71	65	55
2.50	91	82	74	88	79	73	83	76	70	59
3.00	95	86	79	92	84	77	86	80	74	62
4.00	99	92	86	96	89	84	90	84	80	67
5.00	102	96	90	99	93	88	92	88	83	70
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

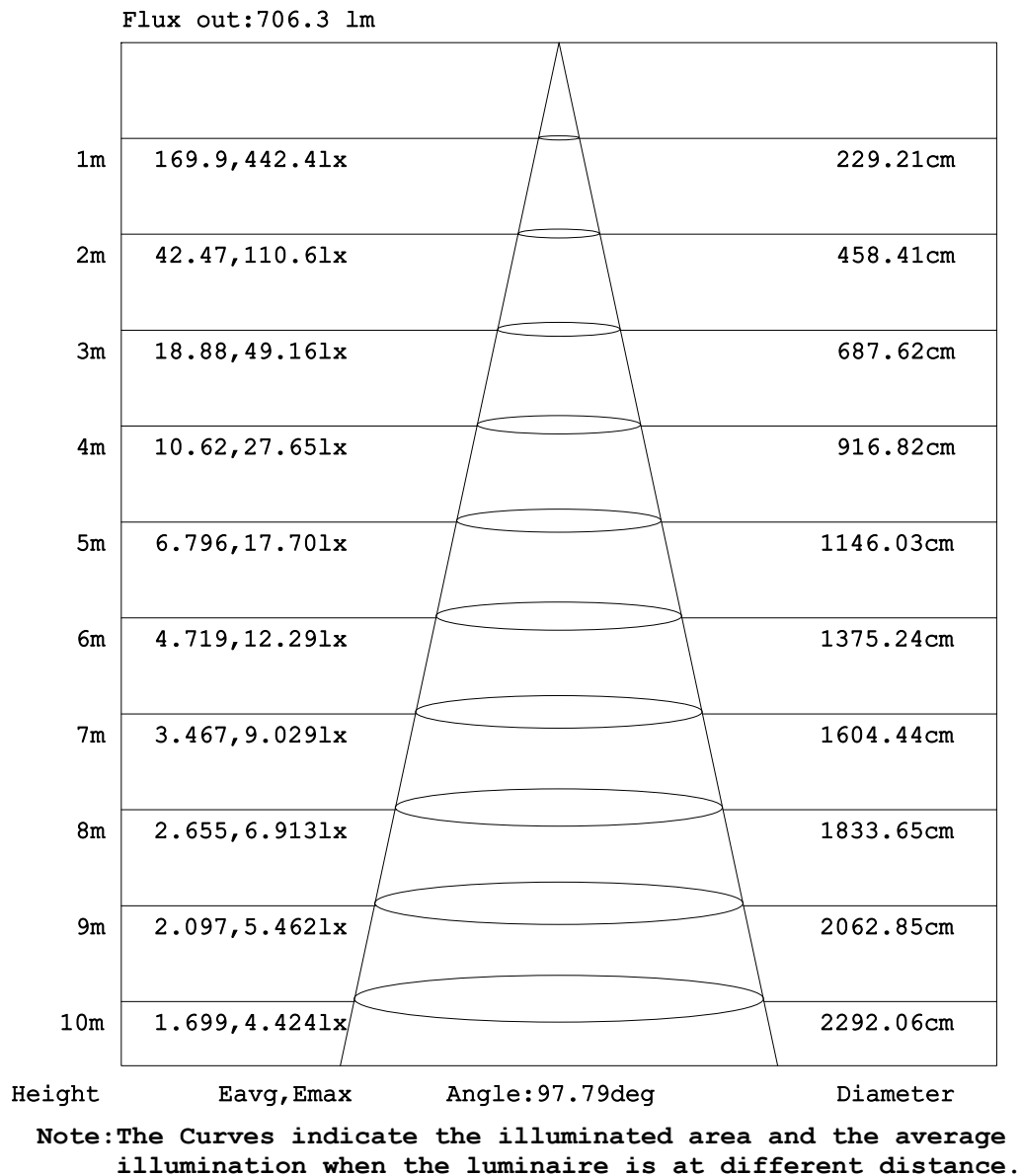
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.530m [K=1.0000]
Remarks:

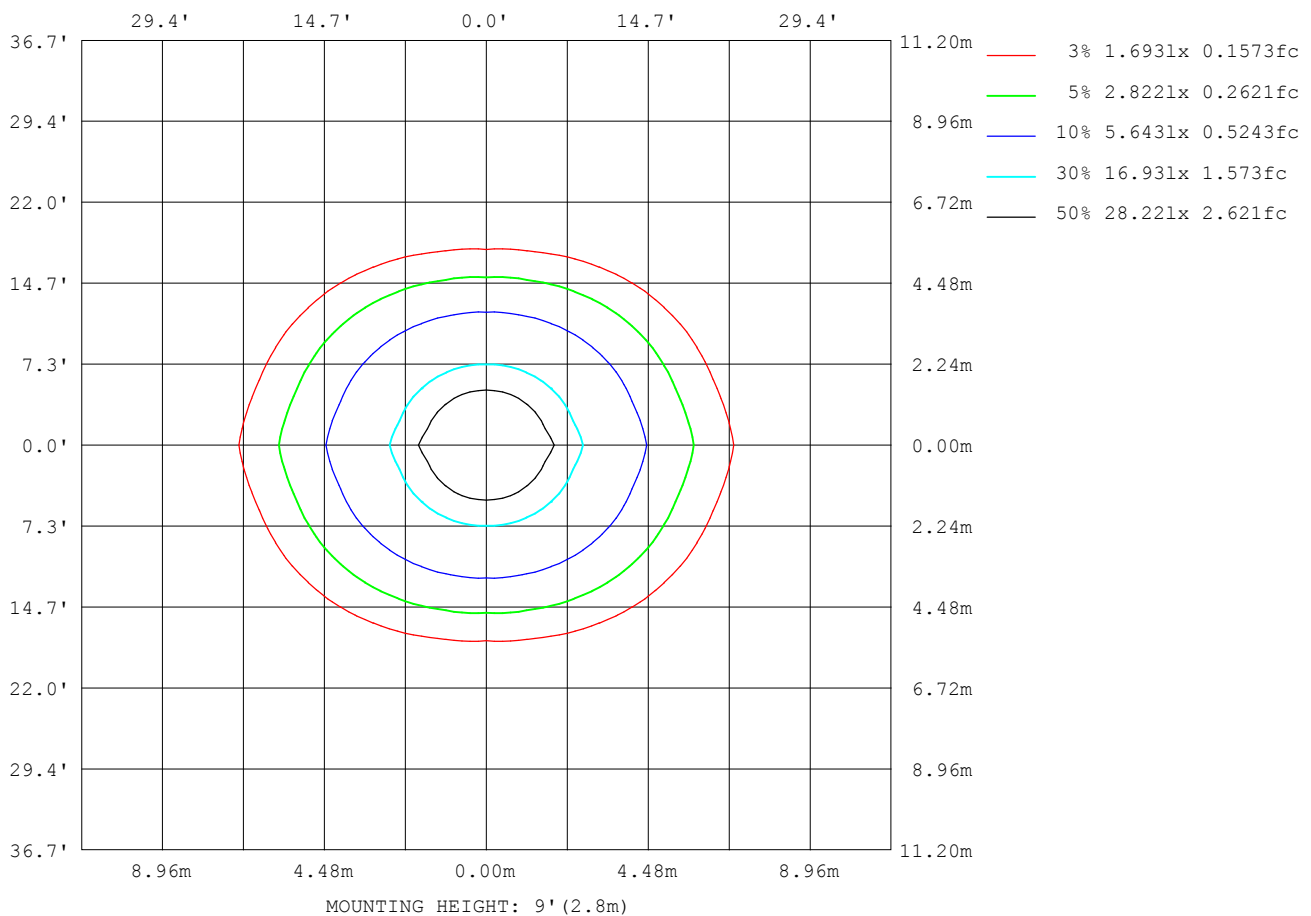
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.530m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.4V I:0.1510A P:33.92W PF:0.9747 Freq:49.99Hz Lamp Flux:1542.96x1 lm		
NAME: TI60LP-LC-36-1200K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TUBI	SUR.:	Shielding Angle:

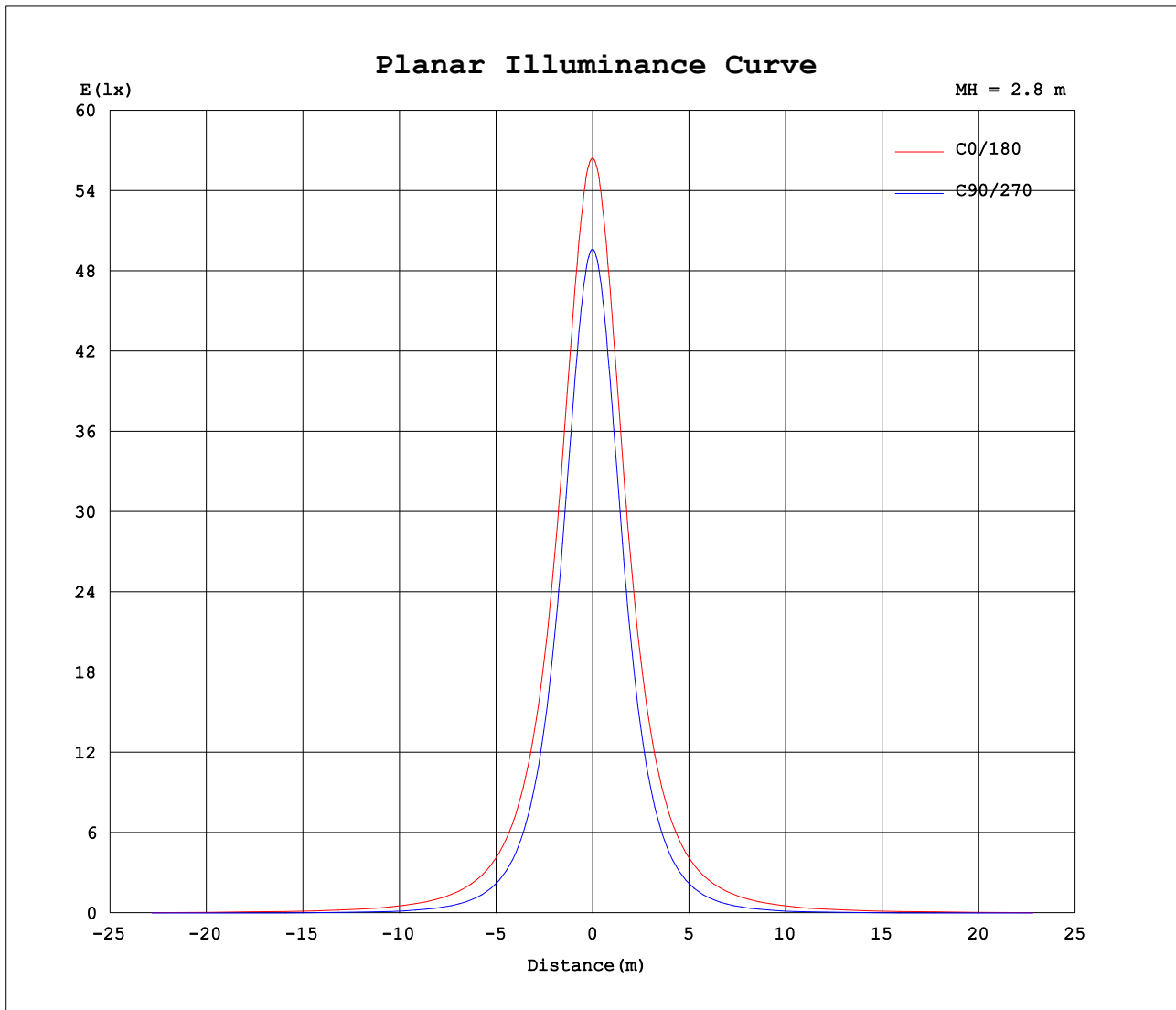
AvgL	cd/m2
L_0~180 (65) av	6499
L_0~180 (75) av	8651
L_0~180 (85) av	20239
L_90~270 (65) av	3495
L_90~270 (75) av	2782
L_90~270 (85) av	1334
L_45 (65) av	5235
L_45 (75) av	6486
L_45 (85) av	13918

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.530m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.530m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396
5	395	395	395	395	394	394	394	394	394	395	395	395	395	395	395	395	394	394	394
10	390	391	391	390	389	388	388	388	389	390	391	391	390	391	391	390	389	388	388
15	385	385	384	382	380	378	378	378	380	382	384	385	385	385	384	382	380	378	378
20	377	377	374	371	367	364	364	364	367	371	374	377	377	377	374	371	367	364	364
25	367	367	363	357	352	347	346	347	352	357	363	367	367	367	363	357	352	347	346
30	355	354	349	341	333	327	325	327	333	341	349	354	355	354	349	341	333	327	325
35	342	340	332	322	312	305	302	305	312	322	332	340	342	340	332	322	312	305	302
40	326	324	315	302	289	279	276	279	289	302	315	324	326	324	315	302	289	279	276
45	309	306	295	280	264	253	248	253	264	280	295	306	309	306	295	280	264	253	248
50	291	287	275	257	238	224	219	224	238	257	275	287	291	287	275	257	238	224	219
55	272	267	253	233	212	195	188	195	212	233	253	267	272	267	253	233	212	195	188
60	252	247	232	210	185	164	156	164	185	210	232	247	252	247	232	210	185	164	156
65	231	226	210	186	158	134	124	134	158	186	210	226	231	226	210	186	158	134	124
70	210	204	188	163	133	105	91.9	105	133	163	188	204	210	204	188	163	133	105	91.9
75	188	183	167	141	109	77.3	60.5	77.3	109	141	167	183	188	183	167	141	109	77.3	60.5
80	168	163	146	121	87.9	52.8	32.0	52.8	87.9	121	146	163	168	163	146	121	87.9	52.8	32.0
85	148	143	127	102	69.2	33.3	9.77	33.3	69.2	102	127	143	148	143	127	102	69.2	33.3	9.77
90	130	125	110	85.3	54.0	20.4	0.85	20.4	54.0	85.3	110	125	130	125	110	85.3	54.0	20.4	0.85
95	113	108	93.2	68.5	39.7	12.4	0.97	12.4	39.7	68.5	93.2	108	113	108	93.2	68.5	39.7	12.4	0.97
100	96.7	89.1	73.9	57.1	31.6	8.24	1.13	8.24	31.6	57.1	73.9	89.1	96.7	89.1	73.9	57.1	31.6	8.24	1.13
105	82.3	73.0	65.4	46.8	24.4	5.88	1.30	5.88	24.4	46.8	65.4	73.0	82.3	73.0	65.4	46.8	24.4	5.88	1.30
110	69.4	64.4	54.5	37.9	18.7	4.52	1.48	4.52	18.7	37.9	54.5	64.4	69.4	64.4	54.5	37.9	18.7	4.52	1.48
115	57.8	53.8	44.8	30.1	14.1	3.63	1.68	3.63	14.1	30.1	44.8	53.8	57.8	53.8	44.8	30.1	14.1	3.63	1.68
120	47.4	44.6	36.1	22.9	10.7	3.20	1.86	3.20	10.7	22.9	36.1	44.6	47.4	44.6	36.1	22.9	10.7	3.20	1.86
125	38.4	36.0	28.3	17.5	8.27	2.97	2.06	2.97	8.27	17.5	28.3	36.0	38.4	36.0	28.3	17.5	8.27	2.97	2.06
130	30.5	28.6	21.6	13.5	6.58	2.88	2.25	2.88	6.58	13.5	21.6	28.6	30.5	28.6	21.6	13.5	6.58	2.88	2.25
135	23.9	22.3	16.2	10.3	5.42	2.89	2.45	2.89	5.42	10.3	16.2	22.3	23.9	22.3	16.2	10.3	5.42	2.89	2.45
140	18.3	17.0	12.2	8.02	4.63	2.96	2.65	2.96	4.63	8.02	12.2	17.0	18.3	17.0	12.2	8.02	4.63	2.96	2.65
145	13.7	12.4	9.17	6.36	4.11	3.04	2.83	3.04	4.11	6.36	9.17	12.4	13.7	12.4	9.17	6.36	4.11	3.04	2.83
150	10.1	8.86	6.97	5.18	3.83	3.15	3.00	3.15	3.83	5.18	6.97	8.86	10.1	8.86	6.97	5.18	3.83	3.15	3.00
155	7.46	6.47	5.43	4.46	3.67	3.27	3.16	3.27	3.67	4.46	5.43	6.47	7.46	6.47	5.43	4.46	3.67	3.27	3.16
160	5.57	4.94	4.44	4.01	3.59	3.38	3.30	3.38	3.59	4.01	4.44	4.94	5.57	4.94	4.44	4.01	3.59	3.38	3.30
165	4.40	4.04	3.90	3.73	3.55	3.48	3.41	3.48	3.55	3.73	3.90	4.04	4.40	4.04	3.90	3.73	3.55	3.48	3.41
170	3.79	3.64	3.64	3.59	3.55	3.52	3.49	3.52	3.55	3.59	3.64	3.64	3.79	3.64	3.64	3.59	3.55	3.52	3.49
175	3.60	3.56	3.60	3.58	3.61	3.60	3.57	3.60	3.61	3.58	3.60	3.56	3.60	3.56	3.60	3.58	3.61	3.60	3.57
180	3.65	3.60	3.60	3.58	3.63	3.63	3.60	3.63	3.63	3.58	3.60	3.60	3.65	3.60	3.60	3.58	3.63	3.63	3.60

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.530m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	396	396	396	396	396														
5	394	394	395	395	395														
10	388	389	390	391	391														
15	378	380	382	384	385														
20	364	367	371	374	377														
25	347	352	357	363	367														
30	327	333	341	349	354														
35	305	312	322	332	340														
40	279	289	302	315	324														
45	253	264	280	295	306														
50	224	238	257	275	287														
55	195	212	233	253	267														
60	164	185	210	232	247														
65	134	158	186	210	226														
70	105	133	163	188	204														
75	77.3	109	141	167	183														
80	52.8	87.9	121	146	163														
85	33.3	69.2	102	127	143														
90	20.4	54.0	85.3	110	125														
95	12.4	39.7	68.5	93.2	108														
100	8.24	31.6	57.1	73.9	89.1														
105	5.88	24.4	46.8	65.4	73.0														
110	4.52	18.7	37.9	54.5	64.4														
115	3.63	14.1	30.1	44.8	53.8														
120	3.20	10.7	22.9	36.1	44.6														
125	2.97	8.27	17.5	28.3	36.0														
130	2.88	6.58	13.5	21.6	28.6														
135	2.89	5.42	10.3	16.2	22.3														
140	2.96	4.63	8.02	12.2	17.0														
145	3.04	4.11	6.36	9.17	12.4														
150	3.15	3.83	5.18	6.97	8.86														
155	3.27	3.67	4.46	5.43	6.47														
160	3.38	3.59	4.01	4.44	4.94														
165	3.48	3.55	3.73	3.90	4.04														
170	3.52	3.55	3.59	3.64	3.64														
175	3.60	3.61	3.58	3.60	3.56														
180	3.63	3.63	3.58	3.60	3.60														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3
3.0	395.9	395.8	395.8	395.7	395.6	395.6	395.5	395.6	395.6	395.7
6.0	394.8	394.5	394.3	393.9	393.6	393.4	393.2	393.4	393.6	393.9
9.0	391.9	392.3	391.8	391.0	390.3	389.7	389.5	389.7	390.3	391.0
12.0	388.5	389.3	388.4	387.0	385.6	384.6	384.3	384.6	385.6	387.0
15.0	384.8	385.4	383.9	381.8	379.7	378.2	377.6	378.2	379.7	381.8
18.0	380.3	380.6	378.6	375.6	372.6	370.4	369.6	370.4	372.6	375.6
21.0	375.1	375.1	372.3	368.3	364.3	361.4	360.3	361.4	364.3	368.3
24.0	369.2	368.9	365.2	360.0	354.9	351.1	349.7	351.1	354.9	360.0
27.0	362.5	361.8	357.2	350.8	344.4	339.7	338.0	339.7	344.4	350.8
30.0	355.2	354.1	348.5	340.7	333.0	327.3	325.2	327.3	333.0	340.7
33.0	347.2	345.7	339.1	329.9	320.7	313.9	311.4	313.9	320.7	329.9
36.0	338.6	336.7	329.0	318.3	307.5	299.7	296.5	299.7	307.5	318.3
39.0	329.4	327.1	318.2	306.0	293.7	284.6	281.2	284.6	293.7	306.0
42.0	319.7	316.9	307.0	293.2	279.2	268.9	265.0	268.9	279.2	293.2
45.0	309.4	306.2	295.2	279.9	264.2	252.5	248.1	252.5	264.2	279.9
48.0	298.6	295.0	283.1	266.2	248.8	235.6	230.7	235.6	248.8	266.2
51.0	287.4	283.4	270.5	252.3	233.0	218.3	212.7	218.3	233.0	252.3
54.0	275.7	271.5	257.7	238.1	217.1	200.6	194.3	200.6	217.1	238.1
57.0	263.8	259.2	244.7	223.8	201.0	182.7	175.5	182.7	201.0	223.8
60.0	251.5	246.7	231.6	209.5	184.9	164.5	156.3	164.5	184.9	209.5
63.0	239.1	234.1	218.4	195.3	169.0	146.4	137.0	146.4	169.0	195.3
66.0	226.5	221.3	205.2	181.2	153.3	128.4	117.6	128.4	153.3	181.2
69.0	213.9	208.5	192.1	167.4	138.1	110.7	98.22	110.7	138.1	167.4
72.0	201.3	195.8	179.3	154.0	123.3	93.58	79.14	93.58	123.3	154.0
75.0	188.1	183.2	166.7	141.0	109.4	77.29	60.47	77.29	109.4	141.0
78.0	175.8	170.9	154.4	128.5	96.16	62.11	42.86	62.11	96.16	128.5
81.0	163.7	158.9	142.4	116.7	83.88	48.47	26.79	48.47	83.88	116.7
84.0	152.0	147.2	131.0	105.5	72.70	36.74	13.43	36.74	72.70	105.5
87.0	140.7	135.9	120.1	95.05	62.78	27.31	4.078	27.31	62.78	95.05
90.0	129.7	125.1	109.7	85.31	54.03	20.40	0.8546	20.40	54.03	85.31
93.0	119.2	114.7	99.78	76.01	44.43	14.64	0.8951	14.64	44.43	76.01
96.0	109.3	104.6	89.80	64.41	38.63	11.38	0.9984	11.38	38.63	64.41
99.0	99.77	93.41	77.74	58.94	33.30	8.901	1.109	8.901	33.30	58.94
102.0	90.79	81.51	70.09	52.84	28.52	7.133	1.208	7.133	28.52	52.84
105.0	82.31	72.98	65.37	46.80	24.39	5.878	1.297	5.878	24.39	46.80
108.0	74.36	68.36	58.69	41.25	20.85	4.986	1.418	4.986	20.85	41.25
111.0	66.93	62.18	52.45	36.26	17.73	4.293	1.525	4.293	17.73	36.26
114.0	59.95	55.82	46.61	31.56	14.90	3.762	1.635	3.762	14.90	31.56
117.0	53.46	49.96	41.15	27.03	12.58	3.412	1.754	3.412	12.58	27.03
120.0	47.45	44.61	36.11	22.93	10.68	3.197	1.864	3.197	10.68	22.93
123.0	41.87	39.31	31.32	19.48	9.132	3.040	1.986	3.040	9.132	19.48
126.0	36.73	34.46	26.92	16.61	7.880	2.937	2.096	2.937	7.880	16.61
129.0	32.03	29.98	22.78	14.20	6.876	2.883	2.214	2.883	6.876	14.20
132.0	27.76	25.95	19.24	12.08	6.068	2.881	2.325	2.881	6.068	12.08
135.0	23.87	22.32	16.25	10.32	5.419	2.893	2.446	2.893	5.419	10.32
138.0	20.39	19.06	13.68	8.860	4.913	2.922	2.567	2.922	4.913	8.860
141.0	17.30	15.98	11.53	7.638	4.509	2.968	2.682	2.968	4.509	7.638
144.0	14.55	13.30	9.715	6.643	4.190	3.018	2.792	3.018	4.190	6.643
147.0	12.16	10.92	8.200	5.828	3.984	3.084	2.902	3.084	3.984	5.828
150.0	10.13	8.858	6.966	5.179	3.832	3.150	2.998	3.150	3.832	5.179
153.0	8.422	7.310	5.973	4.698	3.725	3.217	3.102	3.217	3.725	4.698
156.0	7.019	6.111	5.189	4.346	3.640	3.292	3.194	3.292	3.640	4.346
159.0	5.886	5.190	4.598	4.082	3.591	3.355	3.271	3.355	3.591	4.082
162.0	5.014	4.513	4.174	3.878	3.561	3.414	3.341	3.414	3.561	3.878
165.0	4.396	4.044	3.903	3.726	3.552	3.482	3.415	3.482	3.552	3.726
168.0	3.991	3.774	3.714	3.636	3.545	3.497	3.452	3.497	3.545	3.636
171.0	3.728	3.622	3.619	3.583	3.561	3.535	3.507	3.535	3.561	3.583
174.0	3.609	3.574	3.599	3.582	3.598	3.589	3.562	3.589	3.598	3.582
177.0	3.599	3.570	3.581	3.576	3.607	3.609	3.584	3.609	3.598	3.576
180.0	3.647	3.597	3.597	3.580	3.631	3.625	3.599	3.625	3.631	3.580
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3
3.0	395.8	395.8	395.9	395.8	395.8	395.7	395.6	395.6	395.5	395.6
6.0	394.3	394.5	394.8	394.5	394.3	393.9	393.6	393.4	393.2	393.4
9.0	391.8	392.3	391.9	392.3	391.8	391.0	390.3	389.7	389.5	389.7
12.0	388.4	389.3	388.5	389.3	388.4	387.0	385.6	384.6	384.3	384.6
15.0	383.9	385.4	384.8	385.4	383.9	381.8	379.7	378.2	377.6	378.2
18.0	378.6	380.6	380.3	380.6	378.6	375.6	372.6	370.4	369.6	370.4
21.0	372.3	375.1	375.1	375.1	372.3	368.3	364.3	361.4	360.3	361.4
24.0	365.2	368.9	369.2	368.9	365.2	360.0	354.9	351.1	349.7	351.1
27.0	357.2	361.8	362.5	361.8	357.2	350.8	344.4	339.7	338.0	339.7
30.0	348.5	354.1	355.2	354.1	348.5	340.7	333.0	327.3	325.2	327.3

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	339.1	345.7	347.2	345.7	339.1	329.9	320.7	313.9	311.4	313.9
36.0	329.0	336.7	338.6	336.7	329.0	318.3	307.5	299.7	296.5	299.7
39.0	318.2	327.1	329.4	327.1	318.2	306.0	293.7	284.6	281.2	284.6
42.0	307.0	316.9	319.7	316.9	307.0	293.2	279.2	268.9	265.0	268.9
45.0	295.2	306.2	309.4	306.2	295.2	279.9	264.2	252.5	248.1	252.5
48.0	283.1	295.0	298.6	295.0	283.1	266.2	248.8	235.6	230.7	235.6
51.0	270.5	283.4	287.4	283.4	270.5	252.3	233.0	218.3	212.7	218.3
54.0	257.7	271.5	275.7	271.5	257.7	238.1	217.1	200.6	194.3	200.6
57.0	244.7	259.2	263.8	259.2	244.7	223.8	201.0	182.7	175.5	182.7
60.0	231.6	246.7	251.5	246.7	231.6	209.5	184.9	164.5	156.3	164.5
63.0	218.4	234.1	239.1	234.1	218.4	195.3	169.0	146.4	137.0	146.4
66.0	205.2	221.3	226.5	221.3	205.2	181.2	153.3	128.4	117.6	128.4
69.0	192.1	208.5	213.9	208.5	192.1	167.4	138.1	110.7	98.22	110.7
72.0	179.3	195.8	201.3	195.8	179.3	154.0	123.3	93.58	79.14	93.58
75.0	166.7	183.2	188.1	183.2	166.7	141.0	109.4	77.29	60.47	77.29
78.0	154.4	170.9	175.8	170.9	154.4	128.5	96.16	62.11	42.86	62.11
81.0	142.4	158.9	163.7	158.9	142.4	116.7	83.88	48.47	26.79	48.47
84.0	131.0	147.2	152.0	147.2	131.0	105.5	72.70	36.74	13.43	36.74
87.0	120.1	135.9	140.7	135.9	120.1	95.05	62.78	27.31	4.078	27.31
90.0	109.7	125.1	129.7	125.1	109.7	85.31	54.03	20.40	0.8546	20.40
93.0	99.78	114.7	119.2	114.7	99.78	76.01	44.43	14.64	0.8951	14.64
96.0	89.80	104.6	109.3	104.6	89.80	64.41	38.63	11.38	0.9984	11.38
99.0	77.74	93.41	99.77	93.41	77.74	58.94	33.30	8.901	1.109	8.901
102.0	70.09	81.51	90.79	81.51	70.09	52.84	28.52	7.133	1.208	7.133
105.0	65.37	72.98	82.31	72.98	65.37	46.80	24.39	5.878	1.297	5.878
108.0	58.69	68.36	74.36	68.36	58.69	41.25	20.85	4.986	1.418	4.986
111.0	52.45	62.18	66.93	62.18	52.45	36.26	17.73	4.293	1.525	4.293
114.0	46.61	55.82	59.95	55.82	46.61	31.56	14.90	3.762	1.635	3.762
117.0	41.15	49.96	53.46	49.96	41.15	27.03	12.58	3.412	1.754	3.412
120.0	36.11	44.61	47.45	44.61	36.11	22.93	10.68	3.197	1.864	3.197
123.0	31.32	39.31	41.87	39.31	31.32	19.48	9.132	3.040	1.986	3.040
126.0	26.92	34.46	36.73	34.46	26.92	16.61	7.880	2.937	2.096	2.937
129.0	22.78	29.98	32.03	29.98	22.78	14.20	6.876	2.883	2.214	2.883
132.0	19.24	25.95	27.76	25.95	19.24	12.08	6.068	2.881	2.325	2.881
135.0	16.25	22.32	23.87	22.32	16.25	10.32	5.419	2.893	2.446	2.893
138.0	13.68	19.06	20.39	19.06	13.68	8.860	4.913	2.922	2.567	2.922
141.0	11.53	15.98	17.30	15.98	11.53	7.638	4.509	2.968	2.682	2.968
144.0	9.715	13.30	14.55	13.30	9.715	6.643	4.190	3.018	2.792	3.018
147.0	8.200	10.92	12.16	10.92	8.200	5.828	3.984	3.084	2.902	3.084
150.0	6.966	8.858	10.13	8.858	6.966	5.179	3.832	3.150	2.998	3.150
153.0	5.973	7.310	8.422	7.310	5.973	4.698	3.725	3.217	3.102	3.217
156.0	5.189	6.111	7.019	6.111	5.189	4.346	3.640	3.292	3.194	3.292
159.0	4.598	5.190	5.886	5.190	4.598	4.082	3.591	3.355	3.271	3.355
162.0	4.174	4.513	5.014	4.513	4.174	3.878	3.561	3.414	3.341	3.414
165.0	3.903	4.044	4.396	4.044	3.903	3.726	3.552	3.482	3.415	3.482
168.0	3.714	3.774	3.991	3.774	3.714	3.636	3.545	3.497	3.452	3.497
171.0	3.619	3.622	3.728	3.622	3.619	3.583	3.561	3.535	3.507	3.535
174.0	3.599	3.574	3.609	3.574	3.599	3.582	3.598	3.589	3.562	3.589
177.0	3.581	3.570	3.599	3.570	3.581	3.576	3.607	3.609	3.584	3.609
180.0	3.597	3.597	3.647	3.597	3.597	3.580	3.631	3.625	3.599	3.625
G/C	300.0	315.0	330.0	345.0						
0.0	396.3	396.3	396.3	396.3						
3.0	395.6	395.7	395.8	395.8						
6.0	393.6	393.9	394.3	394.5						
9.0	390.3	391.0	391.8	392.3						
12.0	385.6	387.0	388.4	389.3						
15.0	379.7	381.8	383.9	385.4						
18.0	372.6	375.6	378.6	380.6						
21.0	364.3	368.3	372.3	375.1						
24.0	354.9	360.0	365.2	368.9						
27.0	344.4	350.8	357.2	361.8						
30.0	333.0	340.7	348.5	354.1						
33.0	320.7	329.9	339.1	345.7						
36.0	307.5	318.3	329.0	336.7						
39.0	293.7	306.0	318.2	327.1						
42.0	279.2	293.2	307.0	316.9						
45.0	264.2	279.9	295.2	306.2						
48.0	248.8	266.2	283.1	295.0						
51.0	233.0	252.3	270.5	283.4						
54.0	217.1	238.1	257.7	271.5						
57.0	201.0	223.8	244.7	259.2						
60.0	184.9	209.5	231.6	246.7						
63.0	169.0	195.3	218.4	234.1						
66.0	153.3	181.2	205.2	221.3						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

69.0	138.1	167.4	192.1	208.5
72.0	123.3	154.0	179.3	195.8
75.0	109.4	141.0	166.7	183.2
78.0	96.16	128.5	154.4	170.9
81.0	83.88	116.7	142.4	158.9
84.0	72.70	105.5	131.0	147.2
87.0	62.78	95.05	120.1	135.9
90.0	54.03	85.31	109.7	125.1
93.0	44.43	76.01	99.78	114.7
96.0	38.63	64.41	89.80	104.6
99.0	33.30	58.94	77.74	93.41
102.0	28.52	52.84	70.09	81.51
105.0	24.39	46.80	65.37	72.98
108.0	20.85	41.25	58.69	68.36
111.0	17.73	36.26	52.45	62.18
114.0	14.90	31.56	46.61	55.82
117.0	12.58	27.03	41.15	49.96
120.0	10.68	22.93	36.11	44.61
123.0	9.132	19.48	31.32	39.31
126.0	7.880	16.61	26.92	34.46
129.0	6.876	14.20	22.78	29.98
132.0	6.068	12.08	19.24	25.95
135.0	5.419	10.32	16.25	22.32
138.0	4.913	8.860	13.68	19.06
141.0	4.509	7.638	11.53	15.98
144.0	4.190	6.643	9.715	13.30
147.0	3.984	5.828	8.200	10.92
150.0	3.832	5.179	6.966	8.858
153.0	3.725	4.698	5.973	7.310
156.0	3.640	4.346	5.189	6.111
159.0	3.591	4.082	4.598	5.190
162.0	3.561	3.878	4.174	4.513
165.0	3.552	3.726	3.903	4.044
168.0	3.545	3.636	3.714	3.774
171.0	3.561	3.583	3.619	3.622
174.0	3.598	3.582	3.599	3.574
177.0	3.607	3.576	3.581	3.570
180.0	3.631	3.580	3.597	3.597

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.530m [K=1.0000]
 Remarks: