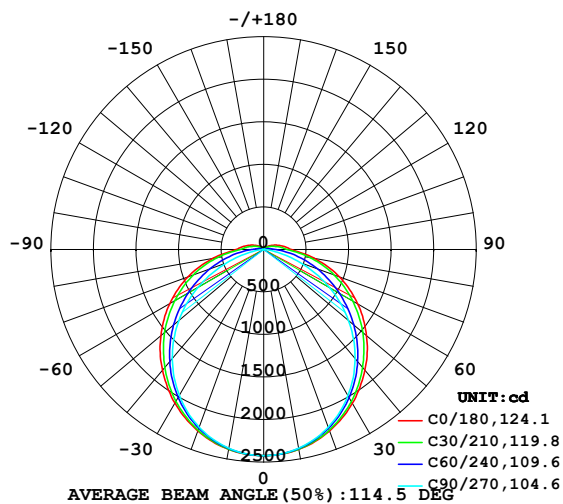


LUMINAIRE PHOTOMETRIC TEST REPORT

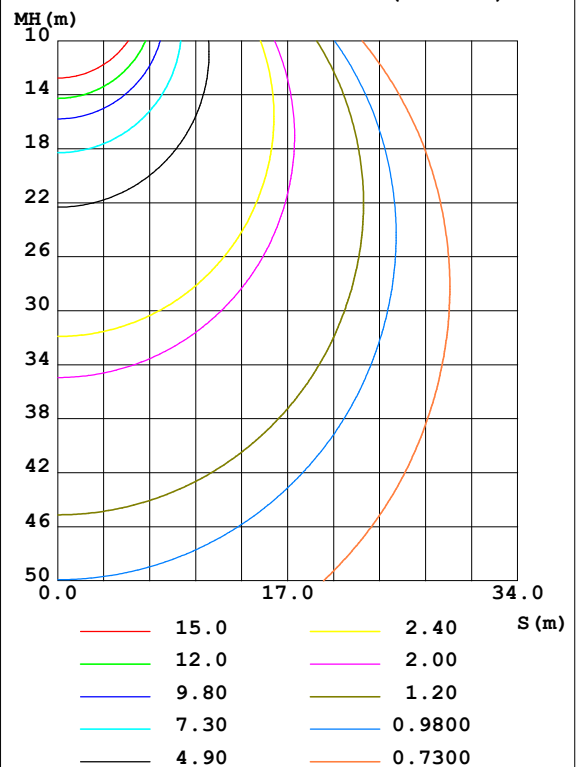
Test:U:231.8V I:0.2094A P:47.09W PF:0.9697 Freq:49.99Hz Lamp Flux:7723.41x1 lm		
NAME: TI60LG-CC-48-1500K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.03 lm/W			
MODEL		I _{max} (cd)	2424	S/MH (C0/180)	1.28
NOMINAL POWER (W)	48	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	7723.4	η UP, DN (C0-180)	2.6, 47.4
NOMINAL FLUX (lm)	7723.41	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.6, 47.4
LAMPS INSIDE	1	η up (%)	5.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	94.7	CIBSE SHR MAX	1.35

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: 2021-09-14

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	2385	2379	2373	2379	2385	2379	2373	2379	0- 10	229.3	229.3	2.97,2.97
20	2269	2247	2222	2247	2269	2247	2222	2247	10- 20	655.6	884.8	11.5,11.5
30	2088	2035	1983	2035	2088	2035	1983	2035	20- 30	990.8	1876	24.3,24.3
40	1851	1765	1673	1765	1851	1765	1673	1765	30- 40	1193	3068	39.7,39.7
50	1579	1454	1305	1454	1579	1454	1305	1454	40- 50	1243	4311	55.8,55.8
60	1276	1127	892.3	1127	1276	1127	892.3	1127	50- 60	1145	5456	70.6,70.6
70	951.4	794.0	464.5	794.0	951.4	794.0	464.5	794.0	60- 70	921.8	6378	82.6,82.6
80	604.4	476.2	115.1	476.2	604.4	476.2	115.1	476.2	70- 80	620.2	6998	90.6,90.6
90	324.7	215.8	3.445	215.8	324.7	215.8	3.445	215.8	80- 90	317.7	7315	94.7,94.7
100	232.7	124.6	5.846	124.6	232.7	124.6	5.846	124.6	90-100	169.7	7485	96.9,96.9
110	155.7	72.13	8.538	72.13	155.7	72.13	8.538	72.13	100-110	102.9	7588	98.2,98.2
120	95.04	37.79	10.75	37.79	95.04	37.79	10.75	37.79	110-120	58.49	7646	99,99
130	55.95	19.03	12.82	19.03	55.95	19.03	12.82	19.03	120-130	32.22	7679	99.4,99.4
140	26.68	16.06	15.24	16.06	26.68	16.06	15.24	16.06	130-140	17.43	7696	99.6,99.6
150	18.08	17.86	17.55	17.86	18.08	17.86	17.55	17.86	140-150	10.96	7707	99.8,99.8
160	19.49	19.48	19.41	19.48	19.49	19.48	19.41	19.48	150-160	8.656	7716	99.9,99.9
170	20.70	20.45	20.53	20.45	20.70	20.45	20.53	20.45	160-170	5.675	7721	100,100
180	21.17	21.00	21.18	21.00	21.17	21.00	21.18	21.00	170-180	1.987	7723	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3693 lm

%lum = 47.8%

%lamp = 47.8%

Conical surface Flux(120deg): 5455.8 lm

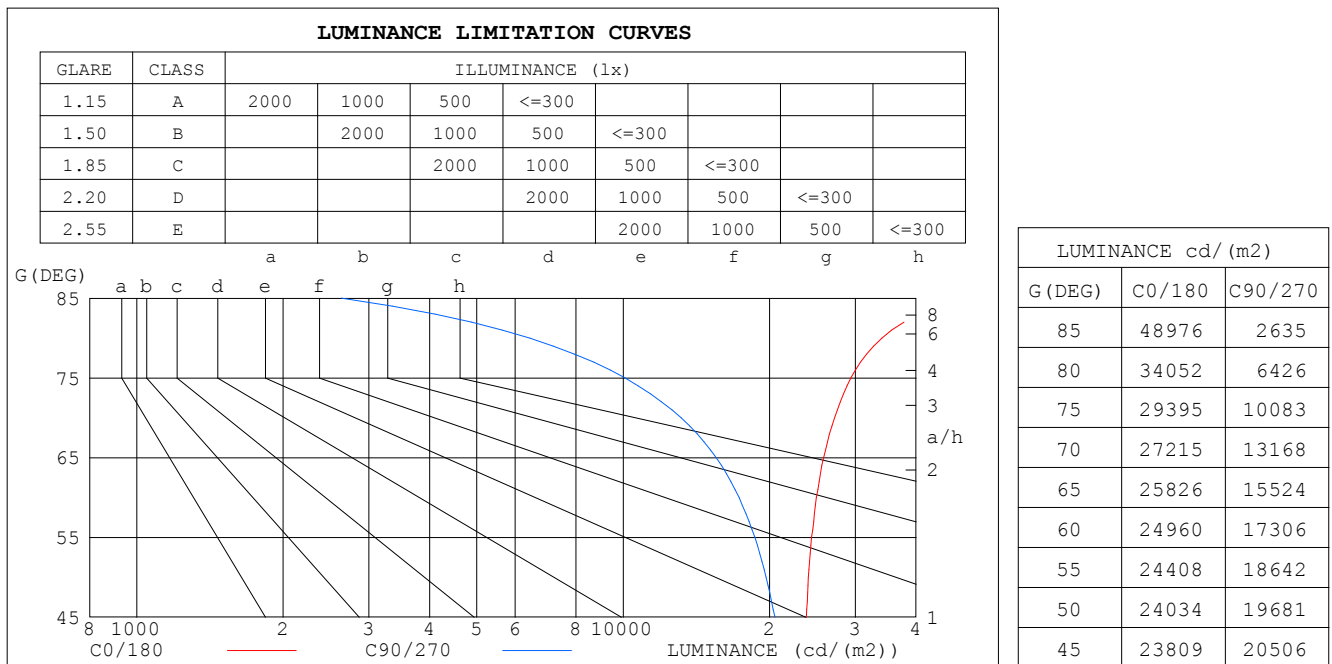
%lum = 70.6%

%lamp = 70.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-09-14

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

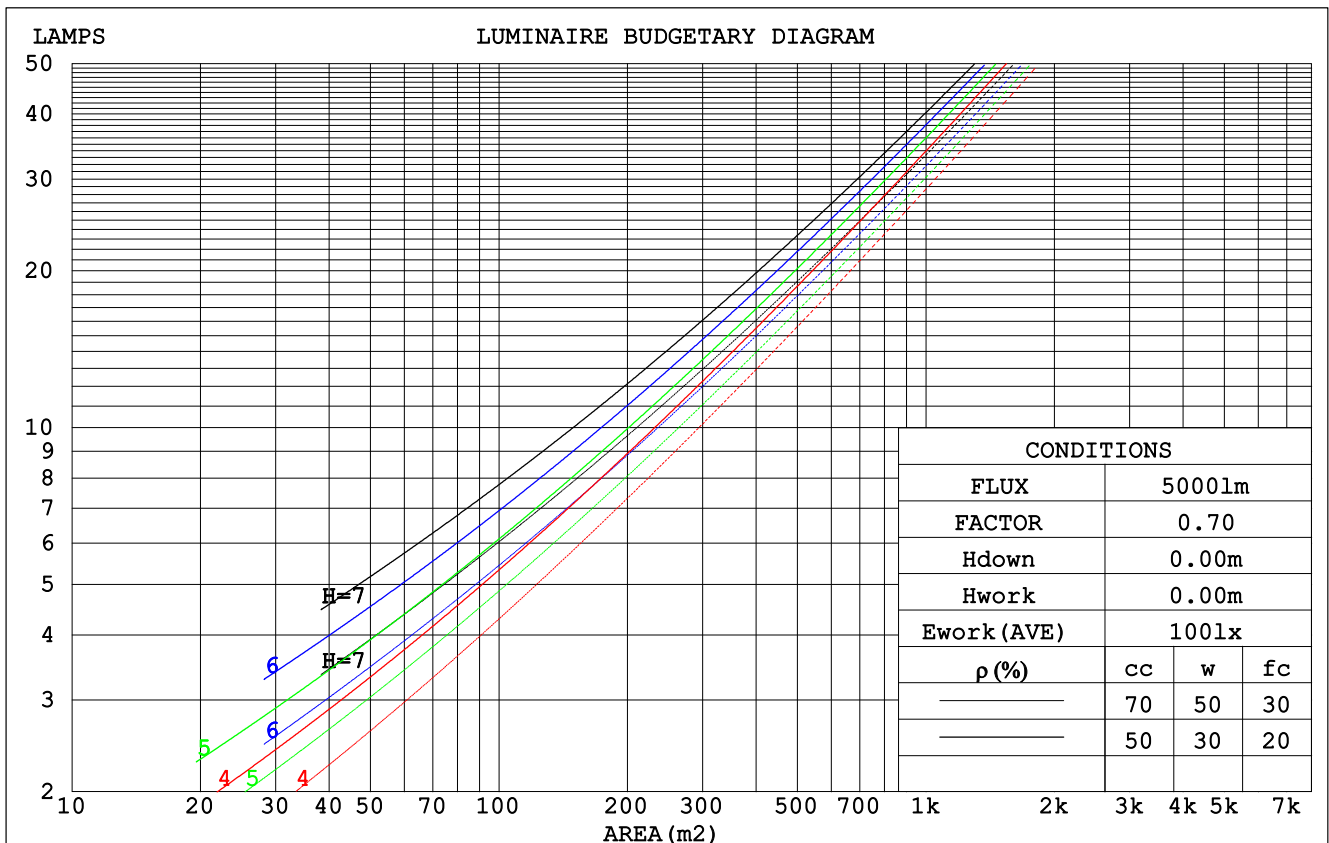


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-09-14

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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.01	.96	.92	.98	.94	.90	.93	.90	.86	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.80	.74	.85	.79	.73	.81	.75	.70	.77	.72	.68	.73	.69	.66	.63
3.0	.77	.68	.61	.75	.67	.60	.71	.64	.59	.67	.62	.57	.64	.59	.55	.53
4.0	.68	.59	.52	.66	.57	.51	.63	.55	.50	.60	.53	.48	.57	.52	.47	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.47	.42	.51	.45	.41	.39
6.0	.54	.45	.39	.53	.44	.38	.51	.43	.37	.48	.42	.37	.46	.40	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.38	.33	.44	.37	.32	.42	.36	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.29	.40	.34	.29	.39	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.26	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.29	.24	.36	.29	.24	.34	.28	.24	.33	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-09-14

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	.339	.193	.061	.330	.188	.060	.314	.180	.057	.299	.172	.055	.285	.165	.053		
2.0	.308	.169	.052	.300	.165	.051	.285	.159	.049	.272	.152	.048	.259	.147	.046		
3.0	.280	.149	.045	.273	.146	.044	.260	.141	.043	.248	.136	.042	.237	.131	.041		
4.0	.256	.133	.039	.250	.131	.039	.238	.126	.038	.227	.122	.037	.217	.118	.036		
5.0	.235	.120	.035	.229	.118	.034	.219	.114	.034	.209	.110	.033	.200	.107	.032		
6.0	.217	.109	.031	.212	.107	.031	.202	.104	.030	.194	.101	.030	.185	.098	.029		
7.0	.201	.099	.028	.197	.098	.028	.188	.095	.027	.180	.092	.027	.173	.090	.026		
8.0	.187	.092	.026	.183	.090	.025	.176	.088	.025	.168	.085	.025	.161	.083	.024		
9.0	.175	.085	.024	.171	.084	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022		
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.149	.074	.021	.143	.072	.021		

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	.231	.231	.231	.197	.197	.197	.135	.135	.135	.077	.077	.077	.025	.025	.025	
1.0	.223	.196	.173	.191	.169	.149	.130	.116	.103	.075	.067	.060	.024	.022	.019	
2.0	.215	.173	.137	.184	.149	.118	.126	.103	.083	.073	.060	.048	.023	.019	.016	
3.0	.207	.155	.114	.178	.134	.099	.122	.093	.069	.071	.054	.041	.023	.018	.013	
4.0	.200	.142	.099	.171	.123	.086	.118	.086	.060	.068	.050	.036	.022	.016	.012	
5.0	.192	.132	.088	.165	.114	.076	.114	.080	.054	.066	.047	.032	.021	.015	.011	
6.0	.185	.124	.080	.159	.107	.070	.110	.075	.049	.064	.044	.029	.021	.014	.010	
7.0	.178	.117	.075	.153	.102	.065	.106	.071	.046	.061	.042	.027	.020	.014	.009	
8.0	.171	.111	.070	.147	.097	.061	.102	.068	.043	.059	.040	.026	.019	.013	.009	
9.0	.165	.106	.067	.142	.092	.058	.099	.065	.041	.057	.038	.025	.019	.013	.008	
10.0	.159	.102	.064	.137	.089	.056	.095	.062	.040	.056	.037	.024	.018	.012	.008	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-09-14

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	16.8	18.2	17.1	18.5	18.9	15.3	16.8	15.7	17.1	17.4
3H	18.8	20.2	19.2	20.5	20.9	16.5	17.9	16.9	18.2	18.5
4H	19.9	21.2	20.3	21.5	21.9	16.9	18.2	17.2	18.5	18.9
6H	20.9	22.1	21.3	22.5	22.8	17.0	18.2	17.4	18.6	19.0
8H	21.3	22.5	21.8	22.9	23.3	17.0	18.2	17.4	18.6	19.0
12H	21.8	23.0	22.3	23.4	23.8	17.0	18.1	17.4	18.5	18.9
4H 2H	17.3	18.6	17.7	19.0	19.3	16.2	17.5	16.6	17.9	18.2
3H	19.6	20.8	20.0	21.1	21.6	17.7	18.8	18.1	19.2	19.6
4H	20.8	21.9	21.3	22.3	22.7	18.2	19.2	18.6	19.6	20.1
6H	22.0	22.9	22.5	23.4	23.9	18.5	19.4	19.0	19.9	20.3
8H	22.6	23.5	23.1	23.9	24.4	18.5	19.4	19.0	19.9	20.4
12H	23.2	24.0	23.7	24.5	25.0	18.5	19.3	19.0	19.8	20.3
8H 4H	21.1	22.0	21.6	22.4	22.9	18.9	19.8	19.4	20.2	20.7
6H	22.5	23.3	23.0	23.8	24.3	19.5	20.2	20.0	20.7	21.3
8H	23.3	23.9	23.8	24.5	25.0	19.7	20.3	20.2	20.8	21.4
12H	24.1	24.7	24.7	25.2	25.8	19.8	20.3	20.3	20.9	21.5
12H 4H	21.1	21.9	21.6	22.4	22.9	19.1	19.9	19.6	20.3	20.9
6H	22.6	23.3	23.1	23.8	24.3	19.8	20.5	20.3	21.0	21.5
8H	23.5	24.0	24.0	24.6	25.2	20.1	20.7	20.7	21.2	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117, 7723 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-09-14

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:

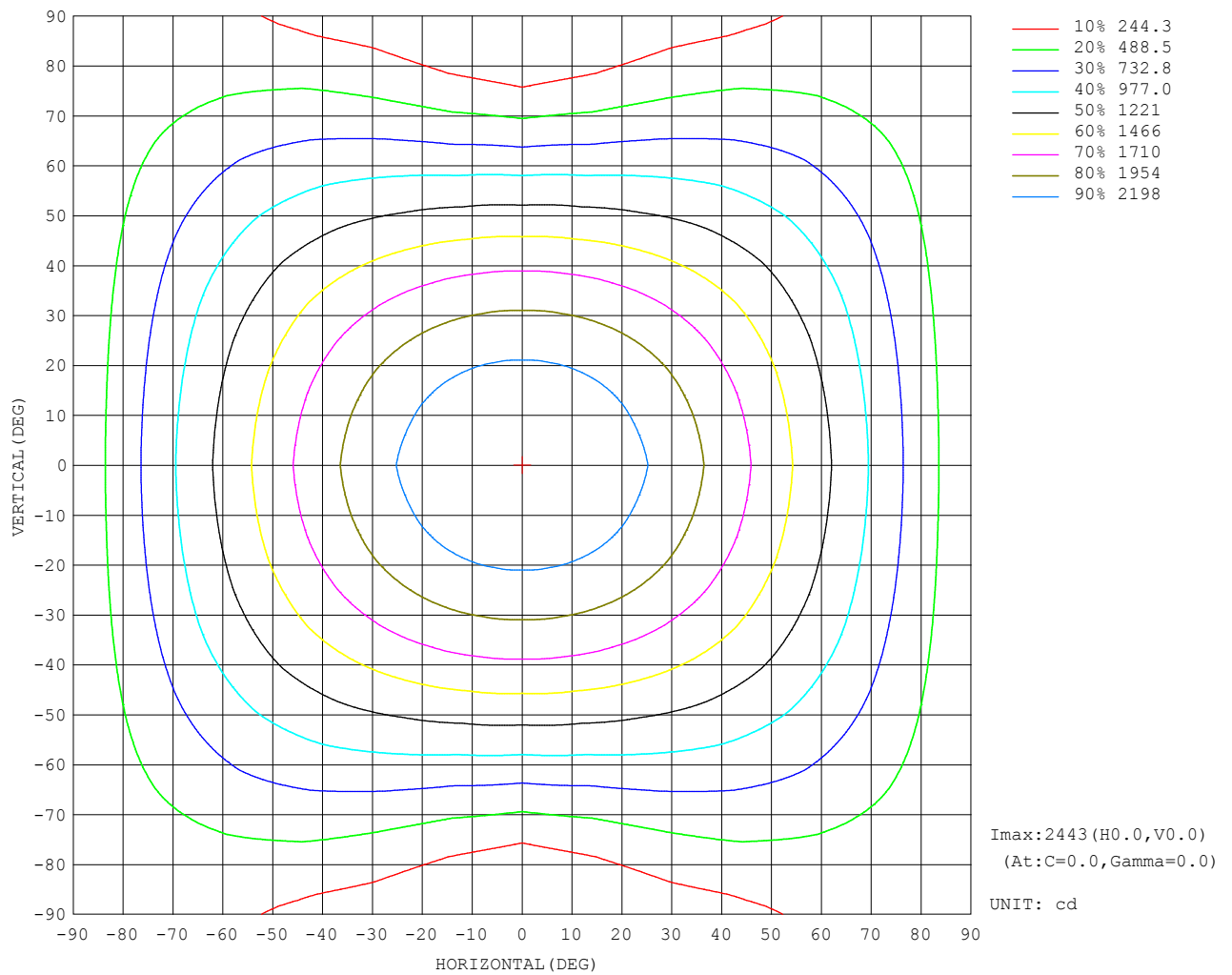
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	42	35	52	42	35	29
0.80	64	52	45	63	52	44	61	51	44	37
1.00	72	61	53	71	60	53	68	61	52	44
1.25	79	68	60	78	67	60	75	66	59	51
1.50	84	74	66	82	73	65	79	70	64	56
2.00	91	82	75	89	80	74	85	78	72	63
2.50	95	87	80	93	85	79	88	82	77	67
3.00	99	91	85	96	89	84	92	86	81	71
4.00	103	97	91	100	94	90	95	90	86	76
5.00	106	100	95	103	98	94	97	93	90	79
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: 2021-09-14

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:

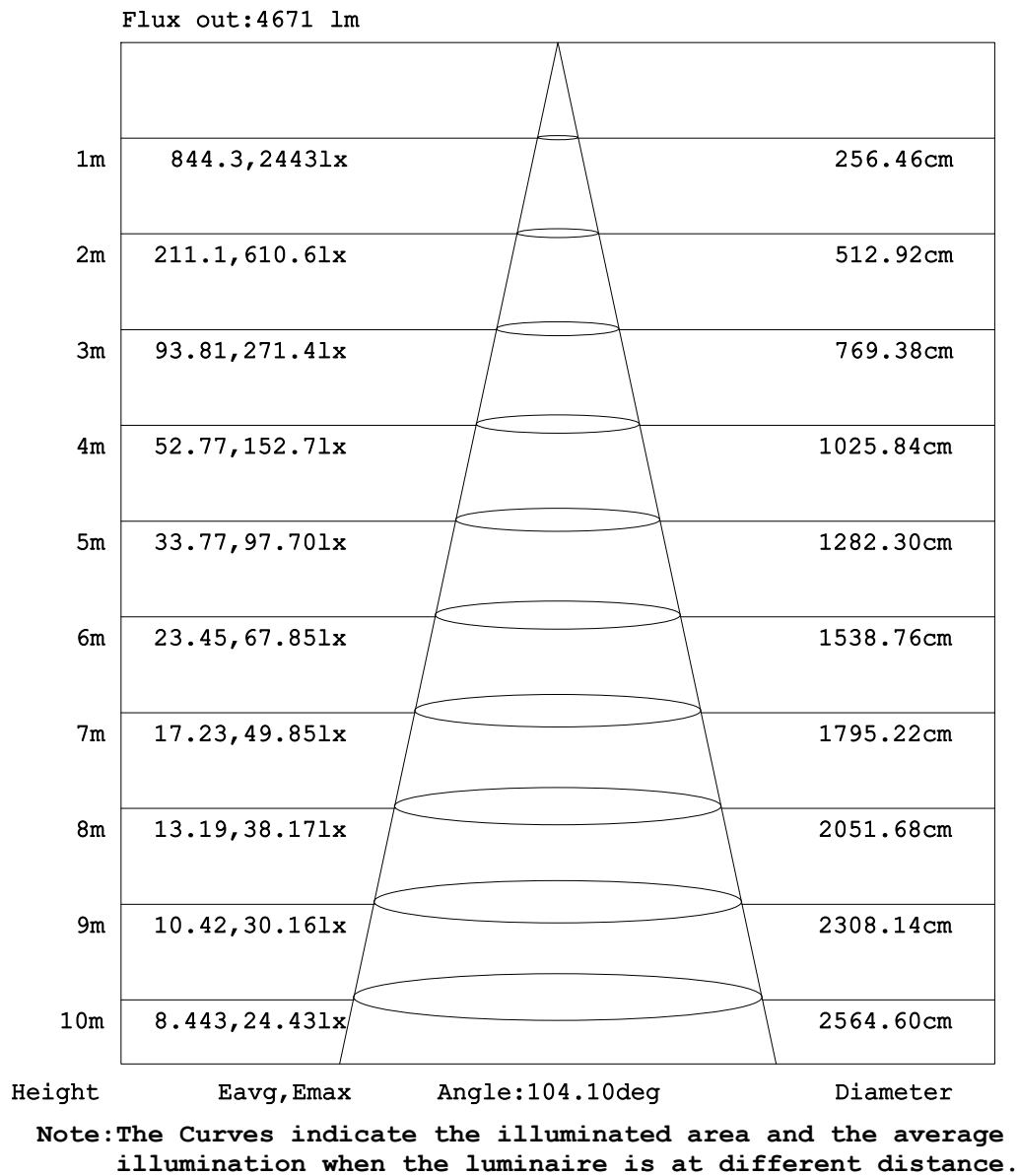
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-09-14

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:

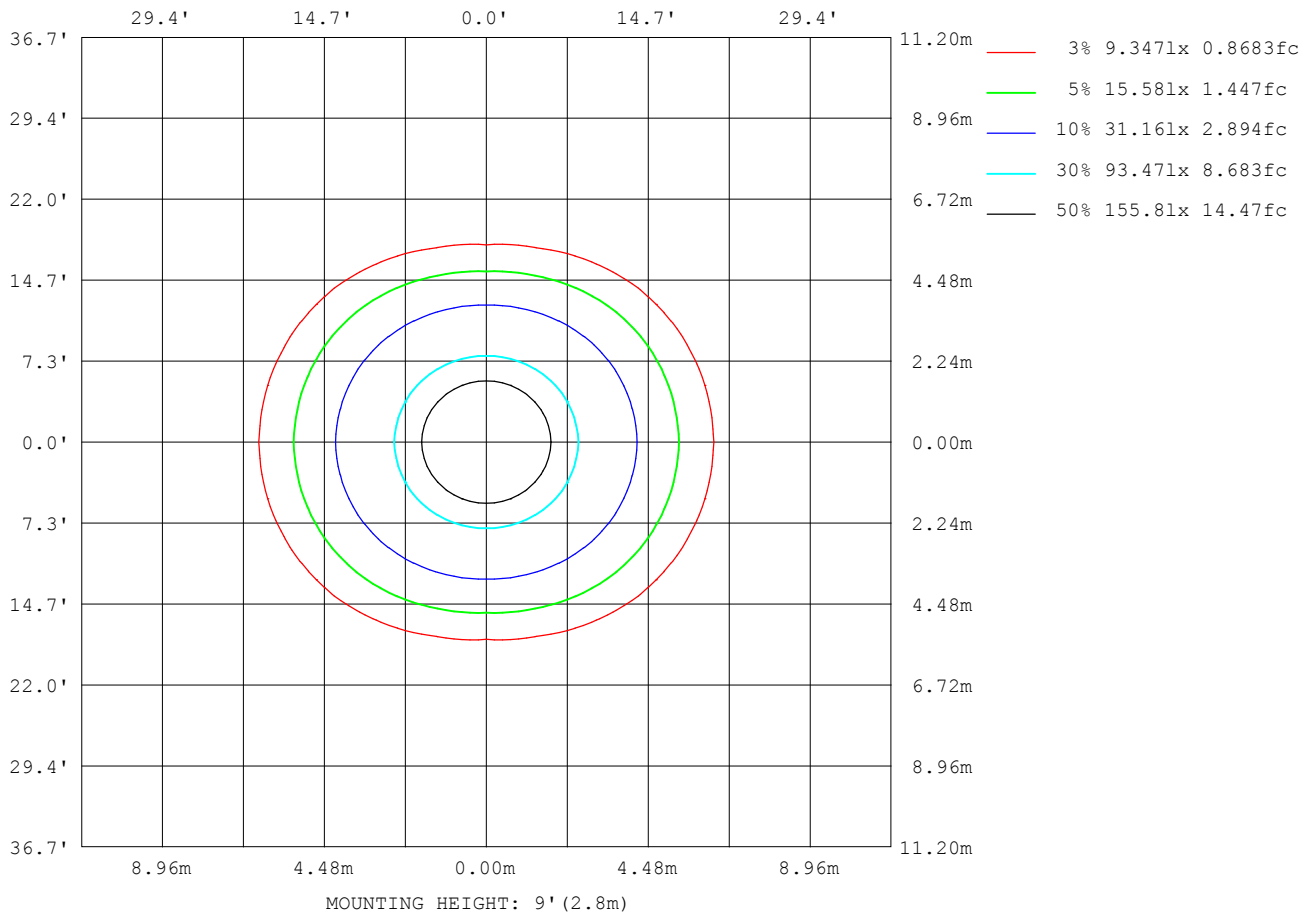
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-09-14

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: 2021-09-14

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:231.8V I:0.2094A P:47.09W PF:0.9697 Freq:49.99Hz Lamp Flux:7723.41x1 lm		
NAME: TI60LG-CC-48-1500K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

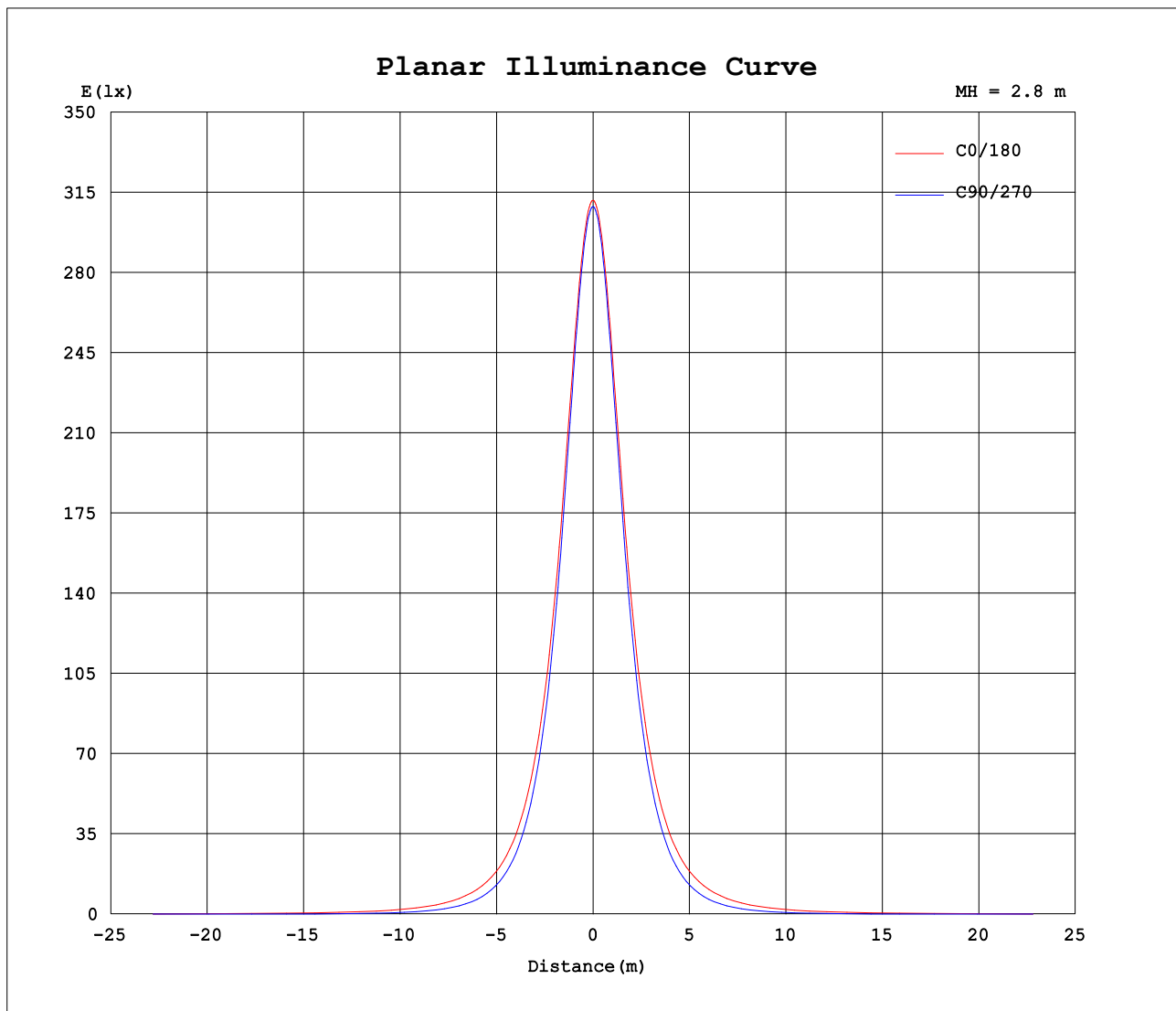
AvgL	cd/m2
L_0~180 (65) av	25630
L_0~180 (75) av	29172
L_0~180 (85) av	48604
L_90~270 (65) av	15543
L_90~270 (75) av	10095
L_90~270 (85) av	2638
L_45 (65) av	22099
L_45 (75) av	23865
L_45 (85) av	36066

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-09-14

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: 2021-09-14

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	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424
5	2414	2414	2414	2413	2412	2411	2411	2411	2412	2413	2414	2414	2414	2414	2414	2413	2412	2411	2411
10	2385	2385	2383	2379	2376	2373	2373	2373	2376	2379	2383	2385	2385	2385	2383	2379	2376	2373	2373
15	2337	2336	2331	2324	2317	2311	2309	2311	2317	2324	2331	2336	2337	2336	2331	2324	2317	2311	2309
20	2269	2267	2259	2247	2235	2225	2222	2225	2235	2247	2259	2267	2269	2267	2259	2247	2235	2225	2222
25	2186	2181	2169	2150	2133	2118	2113	2118	2133	2150	2169	2181	2186	2181	2169	2150	2133	2118	2113
30	2088	2081	2063	2035	2011	1991	1983	1991	2011	2035	2063	2081	2088	2081	2063	2035	2011	1991	1983
35	1974	1965	1942	1907	1872	1846	1836	1846	1872	1907	1942	1965	1974	1965	1942	1907	1872	1846	1836
40	1851	1840	1809	1765	1719	1686	1673	1686	1719	1765	1809	1840	1851	1840	1809	1765	1719	1686	1673
45	1721	1707	1668	1612	1557	1512	1495	1512	1557	1612	1668	1707	1721	1707	1668	1612	1557	1512	1495
50	1579	1564	1521	1454	1384	1327	1305	1327	1384	1454	1521	1564	1579	1564	1521	1454	1384	1327	1305
55	1431	1415	1366	1293	1206	1132	1103	1132	1206	1293	1366	1415	1431	1415	1366	1293	1206	1132	1103
60	1276	1258	1209	1127	1027	934	892	934	1027	1127	1209	1258	1276	1258	1209	1127	1027	934	892
65	1116	1098	1046	962	849	734	677	734	849	962	1046	1098	1116	1098	1046	962	849	734	677
70	951	935	883	794	676	539	464	539	676	794	883	935	951	935	883	794	676	539	464
75	778	764	720	636	508	362	269	362	508	636	720	764	778	764	720	636	508	362	269
80	604	591	550	476	363	213	115	213	363	476	550	591	604	591	550	476	363	213	115
85	436	425	386	324	231	106	23.7	106	231	324	386	425	436	425	386	324	231	106	23.7
90	325	312	275	216	136	47.6	3.45	47.6	136	216	275	312	325	312	275	216	136	47.6	3.45
95	276	264	228	172	100.0	25.0	4.44	25.0	100.0	172	228	264	276	264	228	172	100.0	25.0	4.44
100	233	221	187	125	66.3	14.3	5.85	14.3	66.3	125	187	221	233	221	187	125	66.3	14.3	5.85
105	192	181	143	99.5	42.5	10.8	7.22	10.8	42.5	99.5	143	181	192	181	143	99.5	42.5	10.8	7.22
110	156	139	116	72.1	29.3	9.15	8.54	9.15	29.3	72.1	116	139	156	139	116	72.1	29.3	9.15	8.54
115	123	112	88.2	51.5	21.3	9.82	9.72	9.82	21.3	51.5	88.2	112	123	112	88.2	51.5	21.3	9.82	9.72
120	95.0	87.0	67.0	37.8	15.0	10.8	10.8	10.8	15.0	37.8	67.0	87.0	95.0	87.0	67.0	37.8	15.0	10.8	10.8
125	73.4	67.3	50.3	27.5	12.6	11.8	11.8	11.8	12.6	27.5	50.3	67.3	73.4	67.3	50.3	27.5	12.6	11.8	11.8
130	55.9	51.3	35.3	19.0	13.4	13.0	12.8	13.0	13.4	19.0	35.3	51.3	55.9	51.3	35.3	19.0	13.4	13.0	12.8
135	40.7	36.7	23.9	15.4	14.5	14.2	14.0	14.2	14.5	15.4	23.9	36.7	40.7	36.7	23.9	15.4	14.5	14.2	14.0
140	26.7	23.8	17.6	16.1	15.6	15.5	15.2	15.5	15.6	16.1	17.6	23.8	26.7	23.8	17.6	16.1	15.6	15.5	15.2
145	18.1	17.5	17.3	17.0	16.7	16.6	16.4	16.6	16.7	17.0	17.3	17.5	18.1	17.5	17.3	17.0	16.7	16.6	16.4
150	18.1	18.1	18.1	17.9	17.7	17.7	17.6	17.7	17.7	17.9	18.1	18.1	18.1	18.1	18.1	17.9	17.7	17.7	17.6
155	18.8	18.9	18.9	18.7	18.7	18.7	18.6	18.7	18.7	18.7	18.9	18.9	18.8	18.9	18.9	18.7	18.7	18.7	18.6
160	19.5	19.5	19.6	19.5	19.6	19.5	19.4	19.5	19.6	19.5	19.6	19.5	19.5	19.5	19.6	19.5	19.6	19.5	19.4
165	20.1	20.0	20.1	20.1	20.1	20.1	20.0	20.1	20.1	20.1	20.1	20.0	20.1	20.0	20.1	20.1	20.1	20.1	20.0
170	20.7	20.6	20.5	20.4	20.6	20.6	20.5	20.6	20.6	20.4	20.5	20.6	20.7	20.6	20.5	20.4	20.6	20.6	20.5
175	20.9	20.9	20.9	20.8	21.0	21.1	21.0	21.1	21.0	20.8	20.9	20.9	20.9	20.9	20.9	20.8	21.0	21.1	21.0
180	21.2	21.2	21.1	21.0	21.2	21.3	21.2	21.3	21.2	21.0	21.1	21.2	21.2	21.2	21.1	21.0	21.2	21.3	21.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-09-14

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	2424	2424	2424	2424	2424														
5	2411	2412	2413	2414	2414														
10	2373	2376	2379	2383	2385														
15	2311	2317	2324	2331	2336														
20	2225	2235	2247	2259	2267														
25	2118	2133	2150	2169	2181														
30	1991	2011	2035	2063	2081														
35	1846	1872	1907	1942	1965														
40	1686	1719	1765	1809	1840														
45	1512	1557	1612	1668	1707														
50	1327	1384	1454	1521	1564														
55	1132	1206	1293	1366	1415														
60	934	1027	1127	1209	1258														
65	734	849	962	1046	1098														
70	539	676	794	883	935														
75	362	508	636	720	764														
80	213	363	476	550	591														
85	106	231	324	386	425														
90	47.6	136	216	275	312														
95	25.0	100.0	172	228	264														
100	14.3	66.3	125	187	221														
105	10.8	42.5	99.5	143	181														
110	9.15	29.3	72.1	116	139														
115	9.82	21.3	51.5	88.2	112														
120	10.8	15.0	37.8	67.0	87.0														
125	11.8	12.6	27.5	50.3	67.3														
130	13.0	13.4	19.0	35.3	51.3														
135	14.2	14.5	15.4	23.9	36.7														
140	15.5	15.6	16.1	17.6	23.8														
145	16.6	16.7	17.0	17.3	17.5														
150	17.7	17.7	17.9	18.1	18.1														
155	18.7	18.7	18.7	18.9	18.9														
160	19.5	19.6	19.5	19.6	19.5														
165	20.1	20.1	20.1	20.1	20.0														
170	20.6	20.6	20.4	20.5	20.6														
175	21.1	21.0	20.8	20.9	20.9														
180	21.3	21.2	21.0	21.1	21.2														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-09-14

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	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424
3.0	2421	2421	2421	2420	2420	2419	2419	2419	2420	2420
6.0	2410	2410	2410	2408	2407	2406	2405	2406	2407	2408
9.0	2393	2393	2391	2388	2385	2383	2383	2383	2385	2388
12.0	2368	2368	2365	2360	2355	2351	2350	2351	2355	2360
15.0	2337	2336	2331	2324	2317	2311	2309	2311	2317	2324
18.0	2299	2297	2290	2280	2271	2262	2260	2262	2271	2280
21.0	2254	2251	2243	2229	2216	2205	2202	2205	2216	2229
24.0	2204	2199	2188	2171	2155	2141	2136	2141	2155	2171
27.0	2148	2143	2128	2106	2086	2069	2063	2069	2086	2106
30.0	2088	2081	2063	2035	2011	1991	1983	1991	2011	2035
33.0	2021	2013	1992	1960	1929	1906	1897	1906	1929	1960
36.0	1950	1941	1916	1880	1842	1815	1805	1815	1842	1880
39.0	1877	1866	1835	1794	1751	1719	1707	1719	1751	1794
42.0	1801	1788	1753	1705	1655	1618	1604	1618	1655	1705
45.0	1721	1707	1668	1612	1557	1512	1495	1512	1557	1612
48.0	1638	1624	1581	1518	1454	1402	1382	1402	1454	1518
51.0	1550	1535	1491	1423	1349	1289	1265	1289	1349	1423
54.0	1462	1445	1397	1326	1241	1172	1144	1172	1241	1326
57.0	1371	1354	1303	1227	1134	1053	1019	1053	1134	1227
60.0	1276	1258	1209	1127	1027	933.6	892.3	933.6	1027	1127
63.0	1181	1163	1110	1028	920.8	813.7	763.1	813.7	920.8	1028
66.0	1083	1066	1013	926.9	813.7	694.2	633.6	694.2	813.7	926.9
69.0	984.6	967.4	915.8	827.1	709.4	576.8	506.3	576.8	709.4	827.1
72.0	883.3	868.1	818.9	729.6	607.4	465.8	382.1	465.8	607.4	729.6
75.0	777.7	764.0	719.8	636.2	508.2	362.0	269.1	362.0	508.2	636.2
78.0	672.6	658.8	616.5	541.8	417.6	268.1	170.0	268.1	417.6	541.8
81.0	569.9	557.0	517.4	445.1	334.9	186.4	91.09	186.4	334.9	445.1
84.0	470.1	457.1	419.0	353.5	255.5	122.8	36.11	122.8	255.5	353.5
87.0	379.3	367.5	327.7	265.0	181.4	75.97	8.496	75.97	181.4	265.0
90.0	324.7	312.1	274.8	215.8	135.8	47.58	3.445	47.58	135.8	215.8
93.0	294.2	281.9	246.1	188.3	114.0	33.88	3.961	33.88	114.0	188.3
96.0	267.0	255.0	219.6	164.2	91.81	21.74	4.715	21.74	91.81	164.2
99.0	241.0	229.2	194.8	137.3	71.38	15.25	5.564	15.25	71.38	137.3
102.0	216.2	204.4	167.2	116.5	56.05	12.83	6.395	12.83	56.05	116.5
105.0	192.0	180.9	143.4	99.54	42.47	10.78	7.220	10.78	42.47	99.54
108.0	169.7	156.8	127.6	82.45	33.86	9.156	8.009	9.156	33.86	82.45
111.0	148.9	131.9	109.8	67.32	27.44	9.251	8.792	9.251	27.44	67.32
114.0	129.2	117.4	93.33	55.03	22.76	9.663	9.495	9.663	22.76	55.03
117.0	111.3	101.5	78.78	45.06	18.56	10.19	10.15	10.19	18.56	45.06
120.0	95.04	86.96	67.03	37.79	15.04	10.77	10.75	10.77	15.04	37.79
123.0	81.36	74.68	56.72	31.44	12.99	11.38	11.35	11.38	12.99	31.44
126.0	69.62	63.82	47.08	25.58	12.70	12.06	11.96	12.06	12.70	25.58
129.0	59.15	54.22	38.09	20.49	13.24	12.76	12.60	12.76	13.24	20.49
132.0	49.93	45.44	30.40	16.94	13.86	13.46	13.30	13.46	13.86	16.94
135.0	40.69	36.75	23.86	15.39	14.50	14.20	14.03	14.20	14.50	15.39
138.0	32.07	28.58	19.09	15.71	15.15	14.95	14.76	14.95	15.15	15.71
141.0	24.23	21.87	17.02	16.23	15.81	15.73	15.49	15.73	15.81	16.23
144.0	19.33	17.94	17.13	16.77	16.45	16.43	16.19	16.43	16.45	16.77
147.0	17.70	17.68	17.60	17.32	17.12	17.09	16.88	17.09	17.12	17.32
150.0	18.08	18.10	18.10	17.86	17.74	17.72	17.55	17.72	17.74	17.86
153.0	18.53	18.57	18.60	18.40	18.33	18.32	18.18	18.32	18.33	18.40
156.0	19.00	19.03	19.04	18.90	18.93	18.86	18.74	18.86	18.93	18.90
159.0	19.37	19.40	19.46	19.34	19.44	19.37	19.27	19.37	19.44	19.34
162.0	19.79	19.75	19.78	19.76	19.82	19.78	19.69	19.78	19.82	19.76
165.0	20.13	20.04	20.10	20.07	20.11	20.10	20.03	20.10	20.11	20.07
168.0	20.51	20.40	20.42	20.31	20.40	20.39	20.35	20.39	20.40	20.31
171.0	20.80	20.65	20.63	20.53	20.67	20.69	20.64	20.69	20.67	20.53
174.0	20.92	20.83	20.86	20.76	20.97	21.02	20.91	21.02	20.97	20.76
177.0	20.95	20.94	20.96	20.89	21.12	21.17	21.04	21.17	21.12	20.89
180.0	21.17	21.16	21.07	21.00	21.25	21.31	21.18	21.31	21.25	21.00
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	2424	2424	2424	2424	2424	2424	2424	2424	2424	2424
3.0	2421	2421	2421	2421	2421	2420	2420	2419	2419	2419
6.0	2410	2410	2410	2410	2410	2408	2407	2406	2405	2406
9.0	2391	2393	2393	2393	2391	2388	2385	2383	2383	2383
12.0	2365	2368	2368	2368	2365	2360	2355	2351	2350	2351
15.0	2331	2336	2337	2336	2331	2324	2317	2311	2309	2311
18.0	2290	2297	2299	2297	2290	2280	2271	2262	2260	2262
21.0	2243	2251	2254	2251	2243	2229	2216	2205	2202	2205
24.0	2188	2199	2204	2199	2188	2171	2155	2141	2136	2141
27.0	2128	2143	2148	2143	2128	2106	2086	2069	2063	2069
30.0	2063	2081	2088	2081	2063	2035	2011	1991	1983	1991

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-09-14

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	1992	2013	2021	2013	1992	1960	1929	1906	1897	1906
36.0	1916	1941	1950	1941	1916	1880	1842	1815	1805	1815
39.0	1835	1866	1877	1866	1835	1794	1751	1719	1707	1719
42.0	1753	1788	1801	1788	1753	1705	1655	1618	1604	1618
45.0	1668	1707	1721	1707	1668	1612	1557	1512	1495	1512
48.0	1581	1624	1638	1624	1581	1518	1454	1402	1382	1402
51.0	1491	1535	1550	1535	1491	1423	1349	1289	1265	1289
54.0	1397	1445	1462	1445	1397	1326	1241	1172	1144	1172
57.0	1303	1354	1371	1354	1303	1227	1134	1053	1019	1053
60.0	1209	1258	1276	1258	1209	1127	1027	933.6	892.3	933.6
63.0	1110	1163	1181	1163	1110	1028	920.8	813.7	763.1	813.7
66.0	1013	1066	1083	1066	1013	926.9	813.7	694.2	633.6	694.2
69.0	915.8	967.4	984.6	967.4	915.8	827.1	709.4	576.8	506.3	576.8
72.0	818.9	868.1	883.3	868.1	818.9	729.6	607.4	465.8	382.1	465.8
75.0	719.8	764.0	777.7	764.0	719.8	636.2	508.2	362.0	269.1	362.0
78.0	616.5	658.8	672.6	658.8	616.5	541.8	417.6	268.1	170.0	268.1
81.0	517.4	557.0	569.9	557.0	517.4	445.1	334.9	186.4	91.09	186.4
84.0	419.0	457.1	470.1	457.1	419.0	353.5	255.5	122.8	36.11	122.8
87.0	327.7	367.5	379.3	367.5	327.7	265.0	181.4	75.97	8.496	75.97
90.0	274.8	312.1	324.7	312.1	274.8	215.8	135.8	47.58	3.445	47.58
93.0	246.1	281.9	294.2	281.9	246.1	188.3	114.0	33.88	3.961	33.88
96.0	219.6	255.0	267.0	255.0	219.6	164.2	91.81	21.74	4.715	21.74
99.0	194.8	229.2	241.0	229.2	194.8	137.3	71.38	15.25	5.564	15.25
102.0	167.2	204.4	216.2	204.4	167.2	116.5	56.05	12.83	6.395	12.83
105.0	143.4	180.9	192.0	180.9	143.4	99.54	42.47	10.78	7.220	10.78
108.0	127.6	156.8	169.7	156.8	127.6	82.45	33.86	9.156	8.009	9.156
111.0	109.8	131.9	148.9	131.9	109.8	67.32	27.44	9.251	8.792	9.251
114.0	93.33	117.4	129.2	117.4	93.33	55.03	22.76	9.663	9.495	9.663
117.0	78.78	101.5	111.3	101.5	78.78	45.06	18.56	10.19	10.15	10.19
120.0	67.03	86.96	95.04	86.96	67.03	37.79	15.04	10.77	10.75	10.77
123.0	56.72	74.68	81.36	74.68	56.72	31.44	12.99	11.38	11.35	11.38
126.0	47.08	63.82	69.62	63.82	47.08	25.58	12.70	12.06	11.96	12.06
129.0	38.09	54.22	59.15	54.22	38.09	20.49	13.24	12.76	12.60	12.76
132.0	30.40	45.44	49.93	45.44	30.40	16.94	13.86	13.46	13.30	13.46
135.0	23.86	36.75	40.69	36.75	23.86	15.39	14.50	14.20	14.03	14.20
138.0	19.09	28.58	32.07	28.58	19.09	15.71	15.15	14.95	14.76	14.95
141.0	17.02	21.87	24.23	21.87	17.02	16.23	15.81	15.73	15.49	15.73
144.0	17.13	17.94	19.33	17.94	17.13	16.77	16.45	16.43	16.19	16.43
147.0	17.60	17.68	17.70	17.68	17.60	17.32	17.12	17.09	16.88	17.09
150.0	18.10	18.10	18.08	18.10	18.10	17.86	17.74	17.72	17.55	17.72
153.0	18.60	18.57	18.53	18.57	18.60	18.40	18.33	18.32	18.18	18.32
156.0	19.04	19.03	19.00	19.03	19.04	18.90	18.93	18.86	18.74	18.86
159.0	19.46	19.40	19.37	19.40	19.46	19.34	19.44	19.37	19.27	19.37
162.0	19.78	19.75	19.79	19.75	19.78	19.76	19.82	19.78	19.69	19.78
165.0	20.10	20.04	20.13	20.04	20.10	20.07	20.11	20.10	20.03	20.10
168.0	20.42	20.40	20.51	20.40	20.42	20.31	20.40	20.39	20.35	20.39
171.0	20.63	20.65	20.80	20.65	20.63	20.53	20.67	20.69	20.64	20.69
174.0	20.86	20.83	20.92	20.83	20.86	20.76	20.97	21.02	20.91	21.02
177.0	20.96	20.94	20.95	20.94	20.96	20.89	21.12	21.17	21.04	21.17
180.0	21.07	21.16	21.17	21.16	21.07	21.00	21.25	21.31	21.18	21.31
G/C	300.0	315.0	330.0	345.0						
0.0	2424	2424	2424	2424						
3.0	2420	2420	2421	2421						
6.0	2407	2408	2410	2410						
9.0	2385	2388	2391	2393						
12.0	2355	2360	2365	2368						
15.0	2317	2324	2331	2336						
18.0	2271	2280	2290	2297						
21.0	2216	2229	2243	2251						
24.0	2155	2171	2188	2199						
27.0	2086	2106	2128	2143						
30.0	2011	2035	2063	2081						
33.0	1929	1960	1992	2013						
36.0	1842	1880	1916	1941						
39.0	1751	1794	1835	1866						
42.0	1655	1705	1753	1788						
45.0	1557	1612	1668	1707						
48.0	1454	1518	1581	1624						
51.0	1349	1423	1491	1535						
54.0	1241	1326	1397	1445						
57.0	1134	1227	1303	1354						
60.0	1027	1127	1209	1258						
63.0	920.8	1028	1110	1163						
66.0	813.7	926.9	1013	1066						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-09-14

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	709.4	827.1	915.8	967.4
72.0	607.4	729.6	818.9	868.1
75.0	508.2	636.2	719.8	764.0
78.0	417.6	541.8	616.5	658.8
81.0	334.9	445.1	517.4	557.0
84.0	255.5	353.5	419.0	457.1
87.0	181.4	265.0	327.7	367.5
90.0	135.8	215.8	274.8	312.1
93.0	114.0	188.3	246.1	281.9
96.0	91.81	164.2	219.6	255.0
99.0	71.38	137.3	194.8	229.2
102.0	56.05	116.5	167.2	204.4
105.0	42.47	99.54	143.4	180.9
108.0	33.86	82.45	127.6	156.8
111.0	27.44	67.32	109.8	131.9
114.0	22.76	55.03	93.33	117.4
117.0	18.56	45.06	78.78	101.5
120.0	15.04	37.79	67.03	86.96
123.0	12.99	31.44	56.72	74.68
126.0	12.70	25.58	47.08	63.82
129.0	13.24	20.49	38.09	54.22
132.0	13.86	16.94	30.40	45.44
135.0	14.50	15.39	23.86	36.75
138.0	15.15	15.71	19.09	28.58
141.0	15.81	16.23	17.02	21.87
144.0	16.45	16.77	17.13	17.94
147.0	17.12	17.32	17.60	17.68
150.0	17.74	17.86	18.10	18.10
153.0	18.33	18.40	18.60	18.57
156.0	18.93	18.90	19.04	19.03
159.0	19.44	19.34	19.46	19.40
162.0	19.82	19.76	19.78	19.75
165.0	20.11	20.07	20.10	20.04
168.0	20.40	20.31	20.42	20.40
171.0	20.67	20.53	20.63	20.65
174.0	20.97	20.76	20.86	20.83
177.0	21.12	20.89	20.96	20.94
180.0	21.25	21.00	21.07	21.16

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-09-14

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: