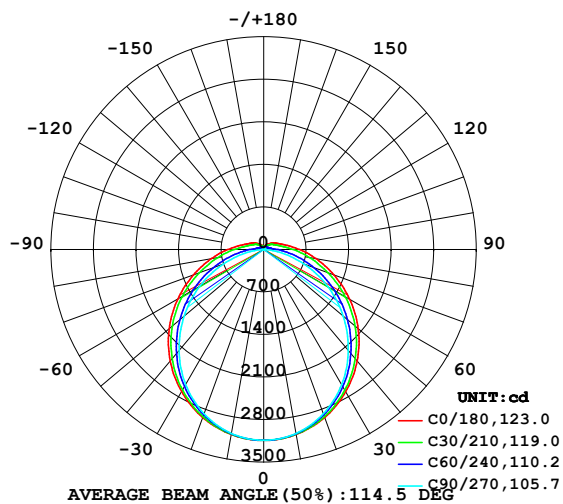


LUMINAIRE PHOTOMETRIC TEST REPORT

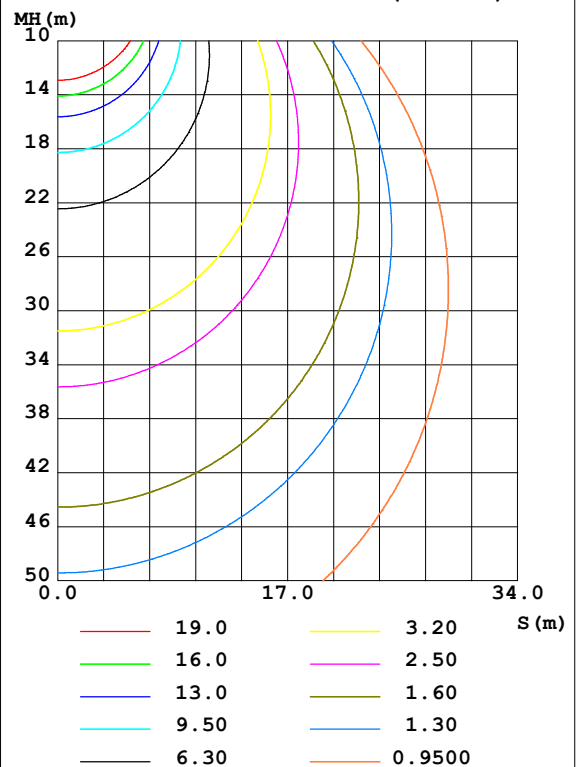
Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.93 lm/W			
MODEL		I _{max} (cd)	3143	S/MH (C0/180)	1.28
NOMINAL POWER (W)	65	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	10450	η UP, DN (C0-180)	4.0, 46.0
NOMINAL FLUX (lm)	10449.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.0, 46.0
LAMPS INSIDE	1	η up (%)	8.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	92.0	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: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [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	3090	3082	3074	3082	3090	3082	3074	3082	0- 10	297.1	297.1	2.84,2.84
20	2942	2910	2877	2910	2942	2910	2877	2910	10- 20	849.3	1146	11,11
30	2704	2640	2569	2640	2704	2640	2569	2640	20- 30	1284	2430	23.3,23.3
40	2395	2293	2168	2293	2395	2293	2168	2293	30- 40	1546	3977	38.1,38.1
50	2031	1886	1710	1886	2031	1886	1710	1886	40- 50	1612	5588	53.5,53.5
60	1633	1452	1217	1452	1633	1452	1217	1452	50- 60	1487	7075	67.7,67.7
70	1231	1017	708.9	1017	1231	1017	708.9	1017	60- 70	1204	8279	79.2,79.2
80	873.8	635.7	233.6	635.7	873.8	635.7	233.6	635.7	70- 80	835.1	9114	87.2,87.2
90	591.4	364.3	5.044	364.3	591.4	364.3	5.044	364.3	80- 90	495.5	9610	92,92
100	394.6	219.3	8.073	219.3	394.6	219.3	8.073	219.3	90-100	289.8	9899	94.7,94.7
110	281.4	159.4	10.52	159.4	281.4	159.4	10.52	159.4	100-110	188.7	10088	96.5,96.5
120	214.7	118.7	13.58	118.7	214.7	118.7	13.58	118.7	110-120	133.2	10221	97.8,97.8
130	161.5	87.27	16.76	87.27	161.5	87.27	16.76	87.27	120-130	92.69	10314	98.7,98.7
140	118.7	66.68	20.23	66.68	118.7	66.68	20.23	66.68	130-140	61.30	10375	99.3,99.3
150	84.69	52.90	23.43	52.90	84.69	52.90	23.43	52.90	140-150	38.64	10414	99.7,99.7
160	58.19	42.43	26.21	42.43	58.19	42.43	26.21	42.43	150-160	22.13	10436	99.9,99.9
170	38.75	33.09	27.79	33.09	38.75	33.09	27.79	33.09	160-170	10.65	10447	100,100
180	28.49	28.51	28.74	28.51	28.49	28.51	28.74	28.51	170-180	2.950	10450	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4786.7 lm

%lum = 45.8%

%lamp = 45.8%

Conical surface Flux(120deg): 7074.8 lm

%lum = 67.7%

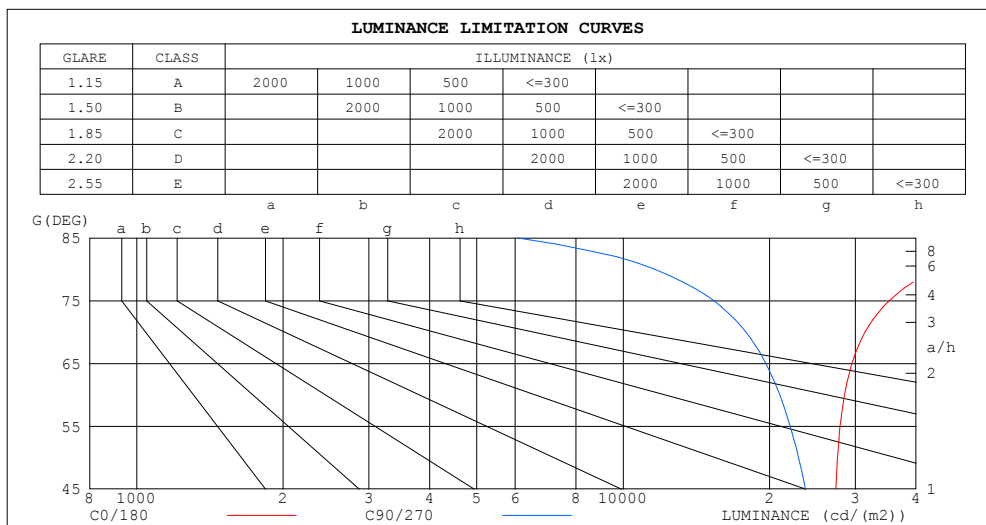
%lamp = 67.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	72345	6064
80	43924	11602
75	35224	15359
70	31416	17874
65	29530	19649
60	28515	20985
55	27930	22047
50	27582	22938
45	27385	23715

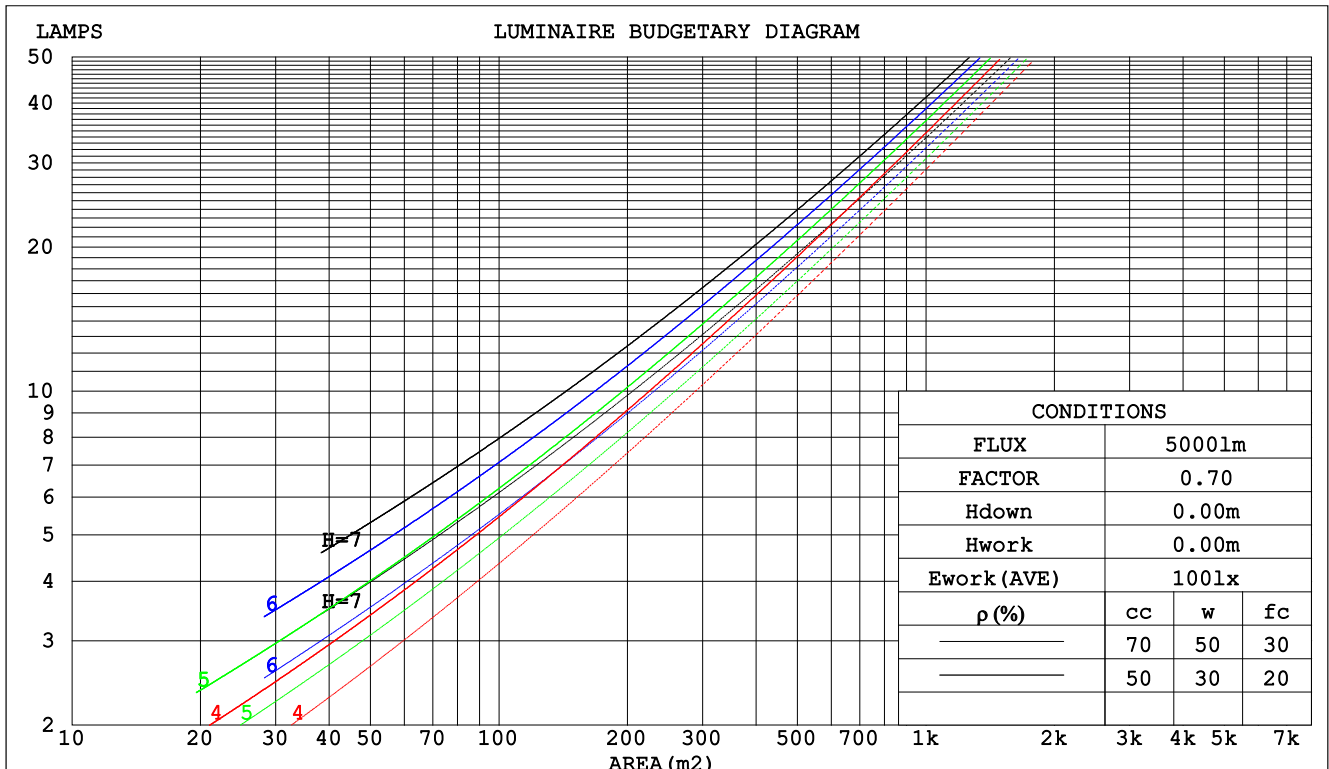
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	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	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	1.00	.95	.91	.97	.93	.89	.91	.88	.84	.86	.83	.80	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.61
3.0	.76	.67	.60	.73	.66	.59	.69	.63	.57	.65	.60	.55	.62	.57	.53	.51
4.0	.67	.58	.51	.65	.57	.50	.61	.54	.48	.58	.52	.47	.55	.50	.45	.43
5.0	.60	.50	.44	.58	.49	.43	.55	.47	.42	.52	.46	.41	.49	.44	.39	.37
6.0	.54	.44	.38	.52	.44	.37	.50	.42	.36	.47	.40	.35	.45	.39	.35	.32
7.0	.48	.40	.33	.47	.39	.33	.45	.38	.32	.43	.36	.31	.41	.35	.31	.28
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.38	.32	.27	.25
9.0	.41	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.27	.23	.32	.26	.22	.21



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	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	.345	.196	.062	.335	.191	.061	.317	.182	.058	.301	.174	.056	.286	.166	.053	
2.0	.310	.170	.052	.302	.166	.051	.285	.159	.049	.271	.152	.048	.257	.145	.046	
3.0	.281	.150	.045	.273	.146	.044	.259	.140	.043	.246	.135	.041	.233	.129	.040	
4.0	.256	.133	.039	.249	.130	.039	.236	.125	.037	.224	.120	.036	.213	.116	.035	
5.0	.235	.120	.035	.229	.117	.034	.217	.113	.033	.206	.109	.032	.196	.105	.031	
6.0	.217	.109	.031	.211	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.201	.099	.028	.196	.098	.028	.186	.094	.027	.177	.091	.026	.169	.088	.026	
8.0	.187	.091	.026	.182	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.080	.023	.155	.078	.022	.148	.075	.022	
10.0	.164	.079	.022	.160	.077	.022	.153	.075	.021	.146	.073	.021	.140	.070	.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	.252	.252	.252	.215	.215	.215	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.245	.218	.193	.209	.187	.166	.143	.128	.115	.082	.074	.067	.026	.024	.022	
2.0	.237	.194	.158	.203	.167	.137	.139	.116	.095	.080	.067	.056	.026	.022	.018	
3.0	.229	.177	.135	.196	.153	.117	.135	.106	.082	.078	.062	.048	.025	.020	.016	
4.0	.221	.164	.120	.190	.142	.104	.131	.099	.073	.076	.058	.043	.024	.019	.014	
5.0	.214	.154	.109	.184	.133	.095	.126	.093	.067	.073	.055	.040	.024	.018	.013	
6.0	.206	.146	.102	.177	.126	.089	.122	.088	.063	.071	.052	.037	.023	.017	.012	
7.0	.200	.139	.096	.172	.120	.084	.119	.084	.059	.069	.050	.035	.022	.016	.012	
8.0	.193	.133	.092	.166	.115	.080	.115	.081	.057	.067	.048	.034	.022	.016	.011	
9.0	.187	.128	.089	.161	.111	.077	.111	.078	.055	.065	.046	.033	.021	.015	.011	
10.0	.181	.124	.086	.156	.108	.075	.108	.076	.053	.063	.045	.032	.020	.015	.011	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm											
NAME: T07CP-CC-65-1500K-40H					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ERVAN					SUR.:			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	15.9	17.4	16.3	17.7	18.1	14.7	16.2	15.1	16.5	16.9	
	3H	18.0	19.4	18.4	19.7	20.1	16.0	17.4	16.4	17.7	18.2
	4H	19.1	20.4	19.5	20.8	21.2	16.5	17.8	16.9	18.2	18.6
	6H	20.3	21.4	20.7	21.9	22.3	16.8	18.0	17.2	18.4	18.8
	8H	20.9	22.0	21.3	22.5	22.9	16.8	18.0	17.3	18.4	18.9
	12H	21.6	22.7	22.1	23.1	23.6	16.8	17.9	17.3	18.4	18.8
4H	2H	16.5	17.7	16.9	18.1	18.6	15.5	16.8	16.0	17.2	17.6
	3H	18.8	19.9	19.2	20.3	20.8	17.1	18.2	17.6	18.6	19.1
	4H	20.0	21.1	20.5	21.5	22.0	17.7	18.7	18.2	19.2	19.7
	6H	21.4	22.3	21.9	22.8	23.3	18.1	19.0	18.6	19.5	20.1
	8H	22.1	23.0	22.7	23.5	24.1	18.2	19.1	18.7	19.6	20.1
	12H	23.0	23.8	23.5	24.3	24.9	18.3	19.0	18.8	19.6	20.1
8H	4H	20.3	21.2	20.8	21.7	22.2	18.3	19.2	18.9	19.7	20.3
	6H	21.9	22.6	22.5	23.2	23.8	19.0	19.7	19.6	20.3	20.9
	8H	22.9	23.5	23.5	24.1	24.7	19.3	19.9	19.8	20.5	21.1
	12H	24.0	24.5	24.6	25.1	25.8	19.4	20.0	20.0	20.6	21.2
12H	4H	20.3	21.1	20.9	21.6	22.2	18.5	19.3	19.1	19.8	20.4
	6H	22.0	22.7	22.6	23.2	23.8	19.4	20.0	19.9	20.6	21.2
	8H	23.0	23.6	23.6	24.2	24.8	19.7	20.3	20.3	20.9	21.5
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 / - 0.3					

CIE Pub.117, 10450 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.2$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

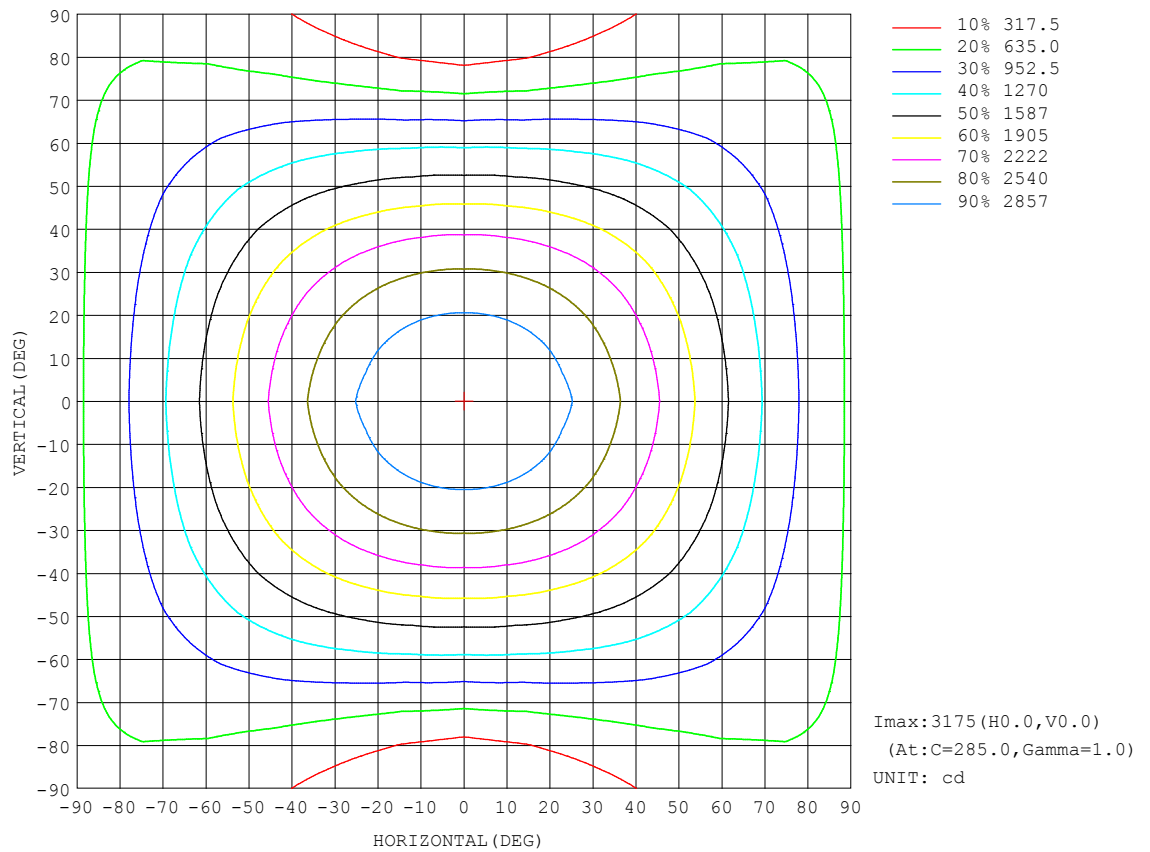
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	42	34	53	41	34	51	41	34	28
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	51	70	58	51	67	59	50	42
1.25	78	67	59	76	66	58	73	64	57	49
1.50	83	72	65	81	71	64	77	69	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	78	92	83	77	87	80	75	64
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	90	99	93	88	93	88	84	73
5.00	105	99	94	101	96	92	96	91	88	76
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: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

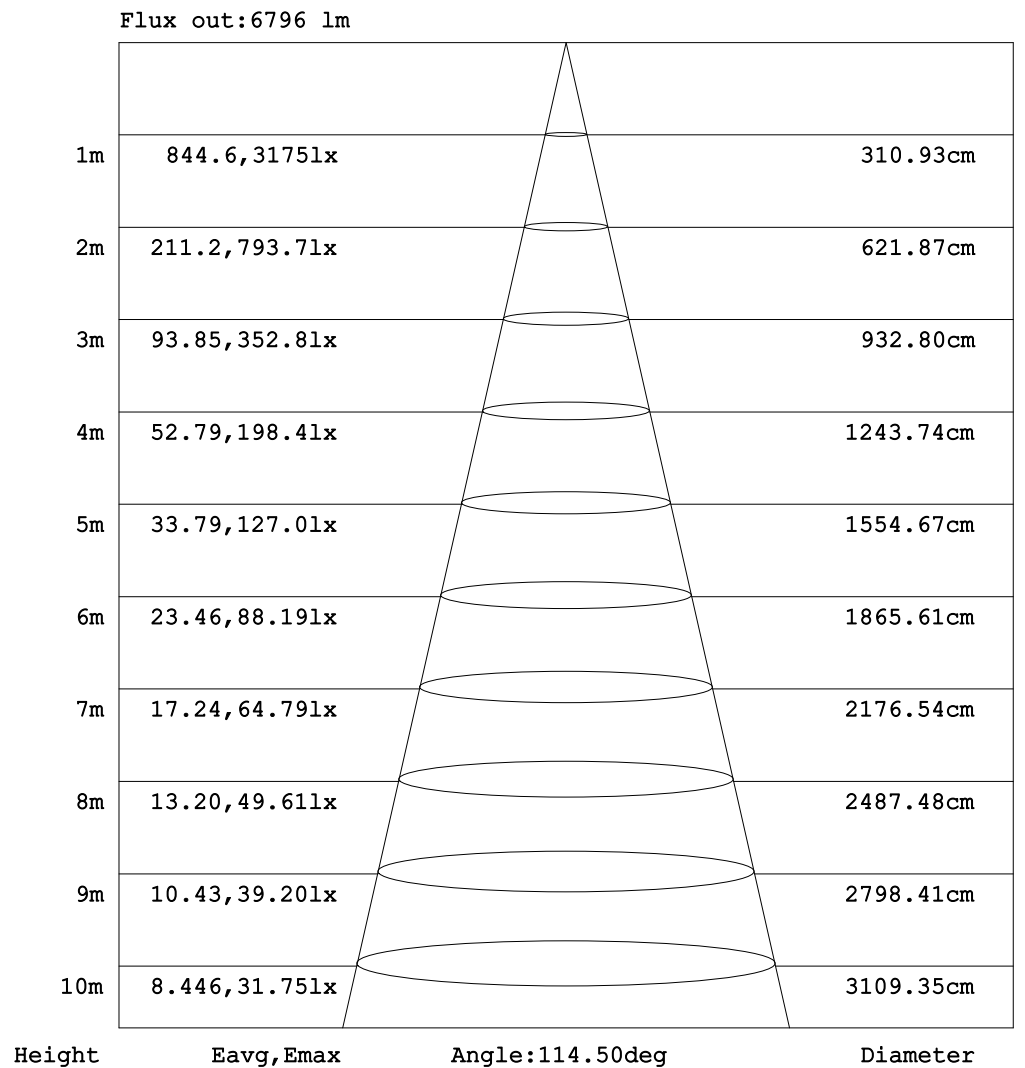


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



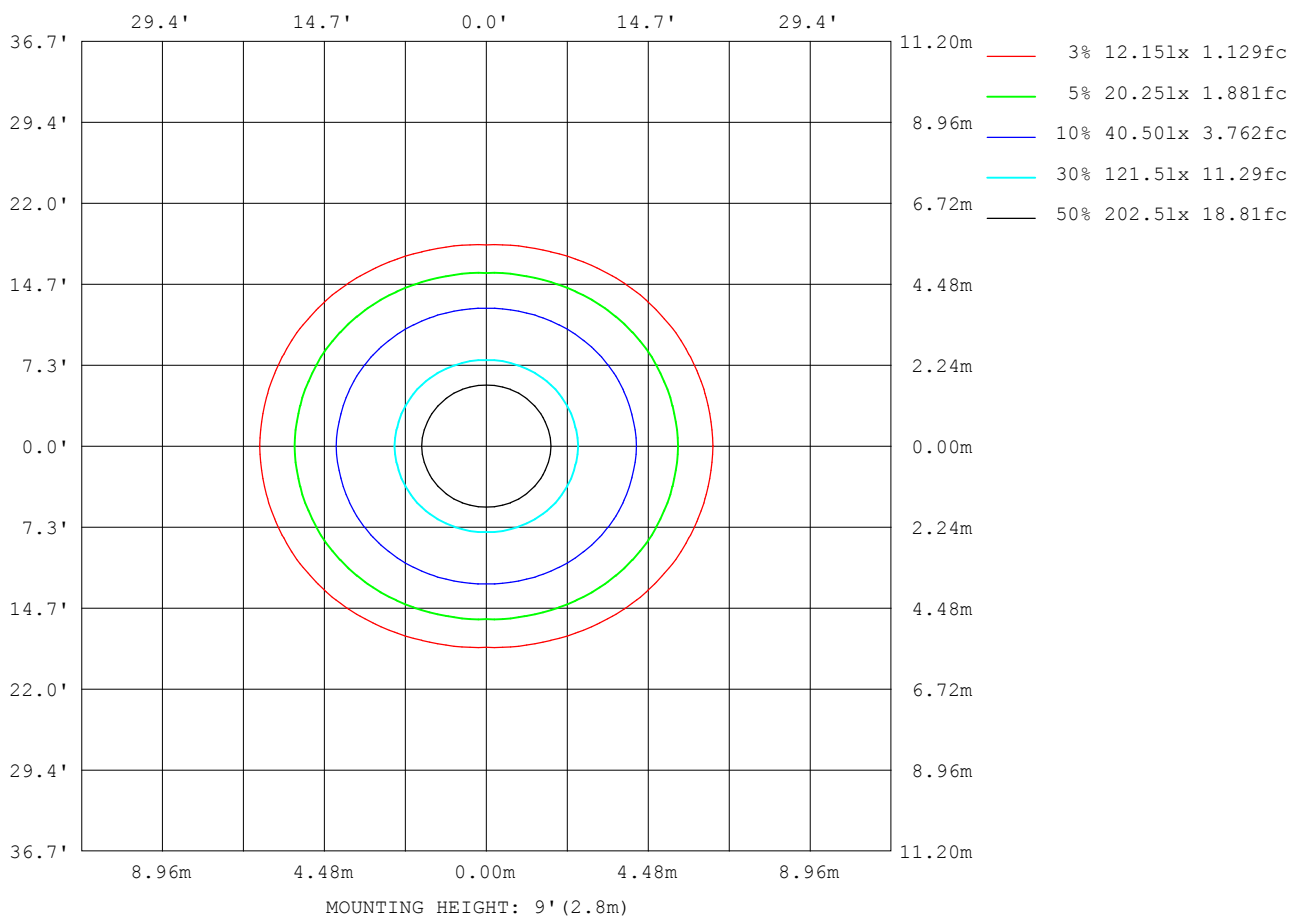
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

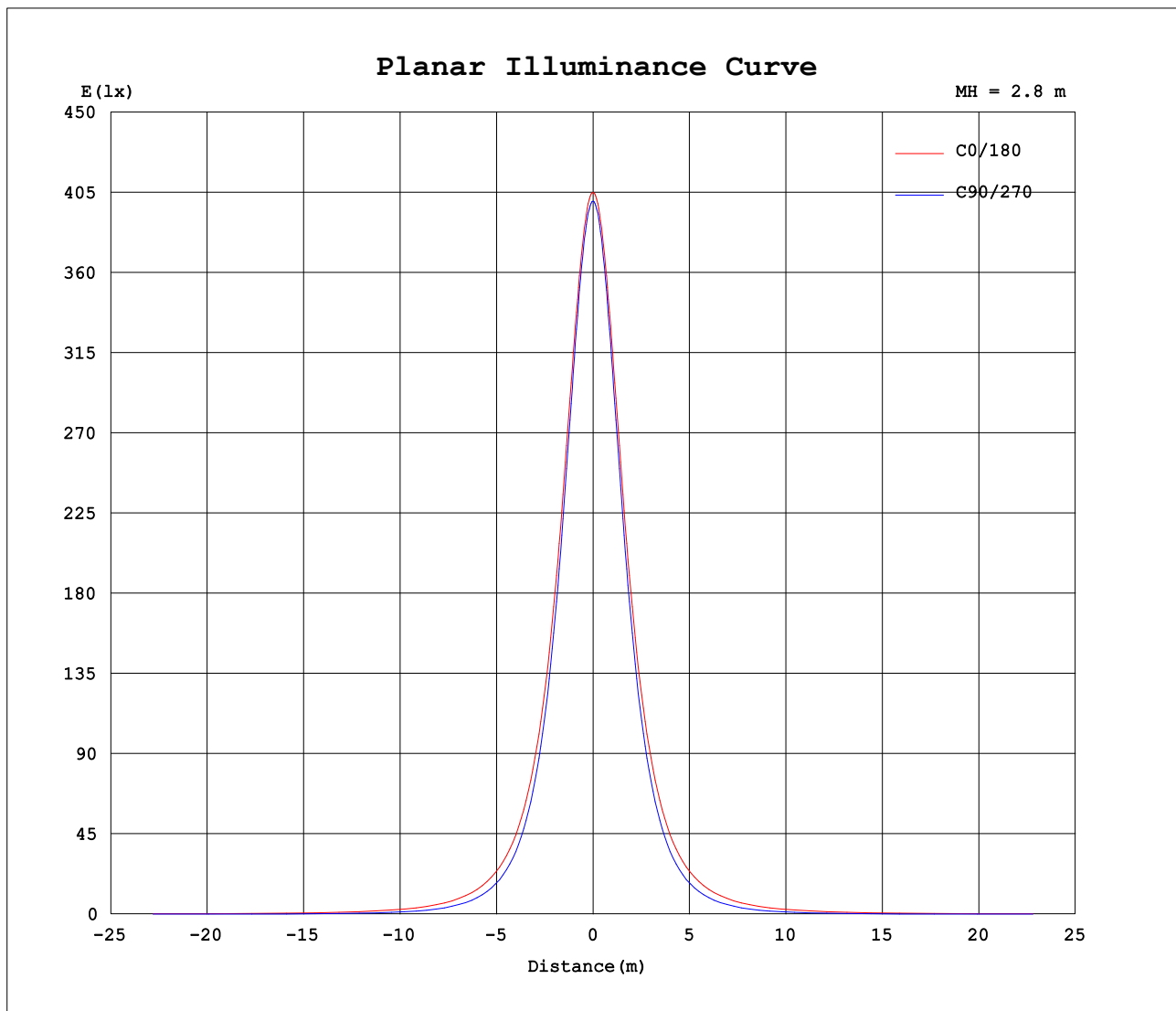
AvgL	cd/m2
L_0~180 (65) av	29225
L_0~180 (75) av	34860
L_0~180 (85) av	71598
L_90~270 (65) av	19684
L_90~270 (75) av	15386
L_90~270 (85) av	6075
L_45 (65) av	25174
L_45 (75) av	27213
L_45 (85) av	48086

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [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: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

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	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142
5	3129	3130	3128	3126	3126	3126	3126	3126	3126	3126	3128	3130	3129	3130	3128	3126	3126	3126	3126
10	3090	3092	3088	3082	3079	3076	3074	3076	3079	3082	3088	3092	3090	3092	3088	3082	3079	3076	3074
15	3027	3027	3021	3009	3001	2993	2990	2993	3001	3009	3021	3027	3027	3027	3021	3009	3001	2993	2990
20	2942	2939	2927	2910	2894	2881	2877	2881	2894	2910	2927	2939	2942	2939	2927	2910	2894	2881	2877
25	2833	2828	2810	2786	2762	2743	2735	2743	2762	2786	2810	2828	2833	2828	2810	2786	2762	2743	2735
30	2704	2697	2673	2640	2607	2580	2569	2580	2607	2640	2673	2697	2704	2697	2673	2640	2607	2580	2569
35	2557	2548	2517	2474	2430	2394	2379	2394	2430	2474	2517	2548	2557	2548	2517	2474	2430	2394	2379
40	2395	2382	2346	2293	2234	2187	2168	2187	2234	2293	2346	2382	2395	2382	2346	2293	2234	2187	2168
45	2218	2204	2160	2095	2023	1967	1945	1967	2023	2095	2160	2204	2218	2204	2160	2095	2023	1967	1945
50	2031	2014	1965	1886	1803	1737	1710	1737	1803	1886	1965	2014	2031	2014	1965	1886	1803	1737	1710
55	1835	1816	1760	1671	1575	1498	1467	1498	1575	1671	1760	1816	1835	1816	1760	1671	1575	1498	1467
60	1633	1612	1549	1452	1344	1254	1217	1254	1344	1452	1549	1612	1633	1612	1549	1452	1344	1254	1217
65	1430	1406	1338	1232	1112	1007	963	1007	1112	1232	1338	1406	1430	1406	1338	1232	1112	1007	963
70	1231	1205	1131	1017	884	764	709	764	884	1017	1131	1205	1231	1205	1131	1017	884	764	709
75	1044	1017	937	815	671	530	461	530	671	815	937	1017	1044	1017	937	815	671	530	461
80	874	845	763	636	483	321	234	321	483	636	763	845	874	845	763	636	483	321	234
85	722	694	611	485	330	170	61.3	170	330	485	611	694	722	694	611	485	330	170	61.3
90	591	564	485	364	222	81.6	5.04	81.6	222	364	485	564	591	564	485	364	222	81.6	5.04
95	482	456	383	277	155	49.9	6.39	49.9	155	277	383	456	482	456	383	277	155	49.9	6.39
100	395	371	309	219	122	39.4	8.07	39.4	122	219	309	371	395	371	309	219	122	39.4	8.07
105	328	310	258	184	103	34.4	9.38	34.4	103	184	258	310	328	310	258	184	103	34.4	9.38
110	281	266	222	159	88.2	32.0	10.5	32.0	88.2	159	222	266	281	266	222	159	88.2	32.0	10.5
115	246	232	194	139	76.4	29.8	12.0	29.8	76.4	139	194	232	246	232	194	139	76.4	29.8	12.0
120	215	203	170	119	66.9	28.8	13.6	28.8	66.9	119	170	203	215	203	170	119	66.9	28.8	13.6
125	186	177	149	102	59.7	28.5	15.2	28.5	59.7	102	149	177	186	177	149	102	59.7	28.5	15.2
130	162	153	128	87.3	53.9	28.5	16.8	28.5	53.9	87.3	128	153	162	153	128	87.3	53.9	28.5	16.8
135	139	132	106	76.3	49.5	28.5	18.4	28.5	49.5	76.3	106	132	139	132	106	76.3	49.5	28.5	18.4
140	119	113	89.5	66.7	45.7	28.9	20.2	28.9	45.7	66.7	89.5	113	119	113	89.5	66.7	45.7	28.9	20.2
145	101	96.3	76.7	59.2	43.2	29.3	21.9	29.3	43.2	59.2	76.7	96.3	101	96.3	76.7	59.2	43.2	29.3	21.9
150	84.7	79.5	66.3	52.9	40.7	29.5	23.4	29.5	40.7	52.9	66.3	79.5	84.7	79.5	66.3	52.9	40.7	29.5	23.4
155	70.6	63.7	56.5	47.6	38.3	29.4	24.9	29.4	38.3	47.6	56.5	63.7	70.6	63.7	56.5	47.6	38.3	29.4	24.9
160	58.2	52.5	48.0	42.4	35.9	29.3	26.2	29.3	35.9	42.4	48.0	52.5	58.2	52.5	48.0	42.4	35.9	29.3	26.2
165	47.6	43.3	41.1	37.7	33.3	29.0	27.2	29.0	33.3	37.7	41.1	43.3	47.6	43.3	41.1	37.7	33.3	29.0	27.2
170	38.8	36.4	35.3	33.1	30.7	28.7	27.8	28.7	30.7	33.1	35.3	36.4	38.8	36.4	35.3	33.1	30.7	28.7	27.8
175	31.6	30.7	30.5	29.7	29.4	28.8	28.5	28.8	29.4	29.7	30.5	30.7	31.6	30.7	30.5	29.7	29.4	28.8	28.5
180	28.5	28.8	28.7	28.5	28.9	28.9	28.7	28.9	28.9	28.5	28.7	28.8	28.5	28.8	28.7	28.5	28.9	28.9	28.7

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.2772A P:62.60W PF:0.9801 Freq:49.99Hz Lamp Flux:10449.9x1 lm		
NAME: T07CP-CC-65-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	3142	3142	3142	3142	3142													
5	3126	3126	3126	3128	3130													
10	3076	3079	3082	3088	3092													
15	2993	3001	3009	3021	3027													
20	2881	2894	2910	2927	2939													
25	2743	2762	2786	2810	2828													
30	2580	2607	2640	2673	2697													
35	2394	2430	2474	2517	2548													
40	2187	2234	2293	2346	2382													
45	1967	2023	2095	2160	2204													
50	1737	1803	1886	1965	2014													
55	1498	1575	1671	1760	1816													
60	1254	1344	1452	1549	1612													
65	1007	1112	1232	1338	1406													
70	764	884	1017	1131	1205													
75	530	671	815	937	1017													
80	321	483	636	763	845													
85	170	330	485	611	694													
90	81.6	222	364	485	564													
95	49.9	155	277	383	456													
100	39.4	122	219	309	371													
105	34.4	103	184	258	310													
110	32.0	88.2	159	222	266													
115	29.8	76.4	139	194	232													
120	28.8	66.9	119	170	203													
125	28.5	59.7	102	149	177													
130	28.5	53.9	87.3	128	153													
135	28.5	49.5	76.3	106	132													
140	28.9	45.7	66.7	89.5	113													
145	29.3	43.2	59.2	76.7	96.3													
150	29.5	40.7	52.9	66.3	79.5													
155	29.4	38.3	47.6	56.5	63.7													
160	29.3	35.9	42.4	48.0	52.5													
165	29.0	33.3	37.7	41.1	43.3													
170	28.7	30.7	33.1	35.3	36.4													
175	28.8	29.4	29.7	30.5	30.7													
180	28.9	28.9	28.5	28.7	28.8													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [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	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142
3.0	3138	3138	3137	3135	3137	3137	3136	3137	3137	3135
6.0	3124	3124	3123	3119	3119	3117	3117	3118	3119	3119
9.0	3100	3101	3098	3093	3091	3089	3088	3089	3091	3093
12.0	3068	3068	3064	3056	3051	3047	3044	3047	3051	3056
15.0	3027	3027	3021	3009	3001	2993	2990	2993	3001	3009
18.0	2979	2977	2968	2953	2940	2930	2925	2930	2940	2953
21.0	2922	2919	2906	2887	2870	2856	2850	2856	2870	2887
24.0	2856	2851	2836	2812	2790	2773	2765	2773	2790	2812
27.0	2783	2778	2758	2729	2703	2681	2672	2681	2703	2729
30.0	2704	2697	2673	2640	2607	2580	2569	2580	2607	2640
33.0	2618	2609	2582	2542	2503	2472	2458	2472	2503	2542
36.0	2526	2516	2484	2440	2392	2353	2338	2353	2392	2440
39.0	2428	2417	2381	2330	2274	2230	2212	2230	2274	2330
42.0	2326	2312	2273	2216	2151	2101	2080	2101	2151	2216
45.0	2218	2204	2160	2095	2023	1967	1945	1967	2023	2095
48.0	2107	2091	2044	1971	1892	1830	1805	1830	1892	1971
51.0	1993	1975	1924	1844	1758	1690	1662	1690	1758	1844
54.0	1875	1856	1802	1715	1621	1547	1516	1547	1621	1715
57.0	1755	1735	1677	1584	1483	1401	1367	1401	1483	1584
60.0	1633	1612	1549	1452	1344	1254	1217	1254	1344	1452
63.0	1511	1489	1422	1320	1204	1106	1065	1106	1204	1320
66.0	1390	1365	1296	1188	1066	958.3	912.6	958.3	1066	1188
69.0	1270	1245	1172	1059	929.2	811.6	759.6	811.6	929.2	1059
72.0	1155	1128	1051	934.0	796.4	667.9	608.5	667.9	796.4	934.0
75.0	1044	1017	937.0	815.3	670.6	529.5	461.0	529.5	670.6	815.3
78.0	940.3	911.6	829.6	704.4	553.8	399.7	319.9	399.7	553.8	704.4
81.0	841.9	813.2	730.0	603.1	449.3	285.8	194.5	285.8	449.3	603.1
84.0	750.9	722.3	639.4	512.7	356.7	195.1	88.71	195.1	356.7	512.7
87.0	667.6	639.2	557.6	432.9	281.5	125.9	21.08	125.9	281.5	432.9
90.0	591.4	563.7	484.7	364.3	221.9	81.57	5.044	81.57	221.9	364.3
93.0	523.0	496.7	420.8	308.2	177.5	57.89	5.570	57.89	177.5	308.2
96.0	462.5	437.7	366.2	263.3	146.5	47.18	6.684	47.18	146.5	263.3
99.0	410.9	386.4	322.0	228.9	126.6	40.96	7.803	40.96	126.6	228.9
102.0	365.2	344.3	285.9	203.1	113.4	37.16	8.614	37.16	113.4	203.1
105.0	328.4	309.7	257.6	183.5	103.1	34.43	9.378	34.43	103.1	183.5
108.0	298.2	281.7	235.2	168.4	94.59	32.85	9.977	32.85	94.59	168.4
111.0	273.6	258.7	216.5	155.1	85.57	31.49	10.80	31.49	85.57	155.1
114.0	252.2	238.6	199.4	143.2	78.34	30.09	11.69	30.09	78.34	143.2
117.0	232.7	220.3	184.0	131.6	72.40	29.31	12.61	29.31	72.40	131.6
120.0	214.7	203.1	170.0	118.7	66.90	28.82	13.58	28.82	66.90	118.7
123.0	197.1	186.7	156.8	108.0	62.42	28.55	14.55	28.55	62.42	108.0
126.0	181.3	171.8	144.6	98.77	58.40	28.45	15.51	28.45	58.40	98.77
129.0	166.3	157.7	132.5	90.08	54.84	28.46	16.45	28.46	54.84	90.08
132.0	152.2	144.5	118.6	82.18	52.12	28.49	17.40	28.49	52.12	82.18
135.0	139.0	132.0	105.8	76.32	49.52	28.53	18.37	28.53	49.52	76.32
138.0	126.6	120.4	95.51	70.04	47.16	28.77	19.55	28.77	47.16	70.04
141.0	115.0	109.6	86.70	65.13	45.17	29.02	20.56	29.02	45.17	65.13
144.0	104.2	99.52	78.88	60.74	43.66	29.23	21.57	29.23	43.66	60.74
147.0	94.14	90.13	72.62	56.50	42.18	29.40	22.54	29.40	42.18	56.50
150.0	84.69	79.48	66.31	52.90	40.71	29.48	23.43	29.48	40.71	52.90
153.0	76.00	69.48	60.08	49.67	39.27	29.45	24.37	29.45	39.27	49.67
156.0	68.00	61.24	54.75	46.54	37.82	29.38	25.18	29.38	37.82	46.54
159.0	60.52	54.51	49.59	43.43	36.34	29.30	25.96	29.30	36.34	43.43
162.0	53.72	48.56	45.08	40.48	34.87	29.18	26.63	29.18	34.87	40.48
165.0	47.56	43.31	41.12	37.69	33.30	29.00	27.17	29.00	33.30	37.69
168.0	42.06	38.97	37.58	34.97	31.68	28.82	27.57	28.82	31.68	34.97
171.0	37.24	35.17	34.25	32.24	30.36	28.72	27.95	28.72	30.36	32.24
174.0	32.90	31.60	31.30	30.21	29.58	28.84	28.36	28.84	29.58	30.21
177.0	28.97	29.37	29.38	28.95	29.02	28.79	28.57	28.79	29.02	28.95
180.0	28.49	28.76	28.75	28.51	28.85	28.87	28.74	28.87	28.85	28.51
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	3142	3142	3142	3142	3142	3142	3142	3142	3142	3142
3.0	3137	3138	3138	3138	3137	3135	3137	3137	3136	3137
6.0	3123	3124	3124	3124	3123	3119	3119	3118	3117	3118
9.0	3098	3101	3100	3101	3098	3093	3091	3089	3088	3089
12.0	3064	3068	3068	3068	3064	3056	3051	3047	3044	3047
15.0	3021	3027	3027	3027	3021	3009	3001	2993	2990	2993
18.0	2968	2977	2979	2977	2968	2953	2940	2930	2925	2930
21.0	2906	2919	2922	2919	2906	2887	2870	2856	2850	2856
24.0	2836	2851	2856	2851	2836	2812	2790	2773	2765	2773
27.0	2758	2778	2783	2778	2758	2729	2703	2681	2672	2681
30.0	2673	2697	2704	2697	2673	2640	2607	2580	2569	2580

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	2582	2609	2618	2609	2582	2542	2503	2472	2458	2472
36.0	2484	2516	2526	2516	2484	2440	2392	2353	2338	2353
39.0	2381	2417	2428	2417	2381	2330	2274	2230	2212	2230
42.0	2273	2312	2326	2312	2273	2216	2151	2101	2080	2101
45.0	2160	2204	2218	2204	2160	2095	2023	1967	1945	1967
48.0	2044	2091	2107	2091	2044	1971	1892	1830	1805	1830
51.0	1924	1975	1993	1975	1924	1844	1758	1690	1662	1690
54.0	1802	1856	1875	1856	1802	1715	1621	1547	1516	1547
57.0	1677	1735	1755	1735	1677	1584	1483	1401	1367	1401
60.0	1549	1612	1633	1612	1549	1452	1344	1254	1217	1254
63.0	1422	1489	1511	1489	1422	1320	1204	1106	1065	1106
66.0	1296	1365	1390	1365	1296	1188	1066	958.3	912.6	958.3
69.0	1172	1245	1270	1245	1172	1059	929.2	811.6	759.6	811.6
72.0	1051	1128	1155	1128	1051	934.0	796.4	667.9	608.5	667.9
75.0	937.0	1017	1044	1017	937.0	815.3	670.6	529.5	461.0	529.5
78.0	829.6	911.6	940.3	911.6	829.6	704.4	553.8	399.7	319.9	399.7
81.0	730.0	813.2	841.9	813.2	730.0	603.1	449.3	285.8	194.5	285.8
84.0	639.4	722.3	750.9	722.3	639.4	512.7	356.7	195.1	88.71	195.1
87.0	557.6	639.2	667.6	639.2	557.6	432.9	281.5	125.9	21.08	125.9
90.0	484.7	563.7	591.4	563.7	484.7	364.3	221.9	81.57	5.044	81.57
93.0	420.8	496.7	523.0	496.7	420.8	308.2	177.5	57.89	5.570	57.89
96.0	366.2	437.7	462.5	437.7	366.2	263.3	146.5	47.18	6.684	47.18
99.0	322.0	386.4	410.9	386.4	322.0	228.9	126.6	40.96	7.803	40.96
102.0	285.9	344.3	365.2	344.3	285.9	203.1	113.4	37.16	8.614	37.16
105.0	257.6	309.7	328.4	309.7	257.6	183.5	103.1	34.43	9.378	34.43
108.0	235.2	281.7	298.2	281.7	235.2	168.4	94.59	32.85	9.977	32.85
111.0	216.5	258.7	273.6	258.7	216.5	155.1	85.57	31.49	10.80	31.49
114.0	199.4	238.6	252.2	238.6	199.4	143.2	78.34	30.09	11.69	30.09
117.0	184.0	220.3	232.7	220.3	184.0	131.6	72.40	29.31	12.61	29.31
120.0	170.0	203.1	214.7	203.1	170.0	118.7	66.90	28.82	13.58	28.82
123.0	156.8	186.7	197.1	186.7	156.8	108.0	62.42	28.55	14.55	28.55
126.0	144.6	171.8	181.3	171.8	144.6	98.77	58.40	28.45	15.51	28.45
129.0	132.5	157.7	166.3	157.7	132.5	90.08	54.84	28.46	16.45	28.46
132.0	118.6	144.5	152.2	144.5	118.6	82.18	52.12	28.49	17.40	28.49
135.0	105.8	132.0	139.0	132.0	105.8	76.32	49.52	28.53	18.37	28.53
138.0	95.51	120.4	126.6	120.4	95.51	70.04	47.16	28.77	19.55	28.77
141.0	86.70	109.6	115.0	109.6	86.70	65.13	45.17	29.02	20.56	29.02
144.0	78.88	99.52	104.2	99.52	78.88	60.74	43.66	29.23	21.57	29.23
147.0	72.62	90.13	94.14	90.13	72.62	56.50	42.18	29.40	22.54	29.40
150.0	66.31	79.48	84.69	79.48	66.31	52.90	40.71	29.48	23.43	29.48
153.0	60.08	69.48	76.00	69.48	60.08	49.67	39.27	29.45	24.37	29.45
156.0	54.75	61.24	68.00	61.24	54.75	46.54	37.82	29.38	25.18	29.38
159.0	49.59	54.51	60.52	54.51	49.59	43.43	36.34	29.30	25.96	29.30
162.0	45.08	48.56	53.72	48.56	45.08	40.48	34.87	29.18	26.63	29.18
165.0	41.12	43.31	47.56	43.31	41.12	37.69	33.30	29.00	27.17	29.00
168.0	37.58	38.97	42.06	38.97	37.58	34.97	31.68	28.82	27.57	28.82
171.0	34.25	35.17	37.24	35.17	34.25	32.24	30.36	28.72	27.95	28.72
174.0	31.30	31.60	32.90	31.60	31.30	30.21	29.58	28.84	28.36	28.84
177.0	29.38	29.37	28.97	29.37	29.38	28.95	29.02	28.79	28.57	28.79
180.0	28.75	28.76	28.49	28.76	28.75	28.51	28.85	28.87	28.74	28.87
G/C	300.0	315.0	330.0	345.0						
0.0	3142	3142	3142	3142						
3.0	3137	3135	3137	3138						
6.0	3119	3119	3123	3124						
9.0	3091	3093	3098	3101						
12.0	3051	3056	3064	3068						
15.0	3001	3009	3021	3027						
18.0	2940	2953	2968	2977						
21.0	2870	2887	2906	2919						
24.0	2790	2812	2836	2851						
27.0	2703	2729	2758	2778						
30.0	2607	2640	2673	2697						
33.0	2503	2542	2582	2609						
36.0	2392	2440	2484	2516						
39.0	2274	2330	2381	2417						
42.0	2151	2216	2273	2312						
45.0	2023	2095	2160	2204						
48.0	1892	1971	2044	2091						
51.0	1758	1844	1924	1975						
54.0	1621	1715	1802	1856						
57.0	1483	1584	1677	1735						
60.0	1344	1452	1549	1612						
63.0	1204	1320	1422	1489						
66.0	1066	1188	1296	1365						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

69.0	929.2	1059	1172	1245
72.0	796.4	934.0	1051	1128
75.0	670.6	815.3	937.0	1017
78.0	553.8	704.4	829.6	911.6
81.0	449.3	603.1	730.0	813.2
84.0	356.7	512.7	639.4	722.3
87.0	281.5	432.9	557.6	639.2
90.0	221.9	364.3	484.7	563.7
93.0	177.5	308.2	420.8	496.7
96.0	146.5	263.3	366.2	437.7
99.0	126.6	228.9	322.0	386.4
102.0	113.4	203.1	285.9	344.3
105.0	103.1	183.5	257.6	309.7
108.0	94.59	168.4	235.2	281.7
111.0	85.57	155.1	216.5	258.7
114.0	78.34	143.2	199.4	238.6
117.0	72.40	131.6	184.0	220.3
120.0	66.90	118.7	170.0	203.1
123.0	62.42	108.0	156.8	186.7
126.0	58.40	98.77	144.6	171.8
129.0	54.84	90.08	132.5	157.7
132.0	52.12	82.18	118.6	144.5
135.0	49.52	76.32	105.8	132.0
138.0	47.16	70.04	95.51	120.4
141.0	45.17	65.13	86.70	109.6
144.0	43.66	60.74	78.88	99.52
147.0	42.18	56.50	72.62	90.13
150.0	40.71	52.90	66.31	79.48
153.0	39.27	49.67	60.08	69.48
156.0	37.82	46.54	54.75	61.24
159.0	36.34	43.43	49.59	54.51
162.0	34.87	40.48	45.08	48.56
165.0	33.30	37.69	41.12	43.31
168.0	31.68	34.97	37.58	38.97
171.0	30.36	32.24	34.25	35.17
174.0	29.58	30.21	31.30	31.60
177.0	29.02	28.95	29.38	29.37
180.0	28.85	28.51	28.75	28.76

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks: