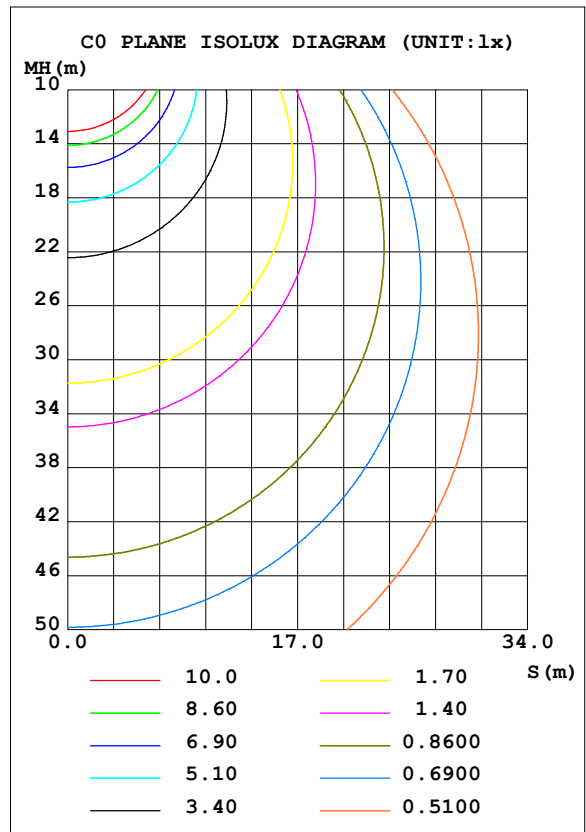
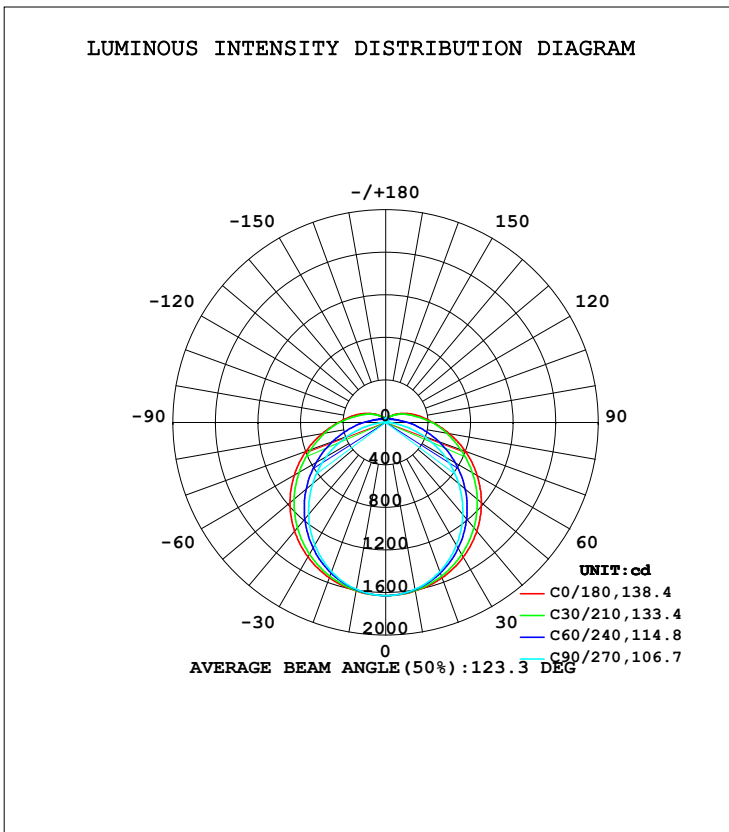


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.6V I:0.1701A P:38.24W PF:0.9752 Freq:49.99Hz Lamp Flux:6322.49x1 lm		
NAME: T66AP-CC-40-1500K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.32 lm/W			
MODEL		I <sub>max</sub> (cd)	1628	S/MH (C0/180)	1.34
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	6322.5	η UP, DN (C0-180)	6.3, 43.7
NOMINAL FLUX (lm)	6322.49	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.3, 43.7
LAMPS INSIDE	1	η up (%)	12.6	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	230	η down (%)	87.4	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [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	1609	1602	1593	1602	1609	1602	1593	1602	0- 10	154.1	154.1	2.44,2.44
20	1554	1523	1492	1523	1554	1523	1492	1523	10- 20	442.7	596.9	9.44,9.44
30	1462	1399	1332	1399	1462	1399	1332	1399	20- 30	675.9	1273	20.1,20.1
40	1334	1239	1129	1239	1334	1239	1129	1239	30- 40	827.5	2100	33.2,33.2
50	1175	1053	896.7	1053	1175	1053	896.7	1053	40- 50	884.2	2985	47.2,47.2
60	993.0	852.4	645.3	852.4	993.0	852.4	645.3	852.4	50- 60	846.9	3831	60.6,60.6
70	798.7	651.7	384.6	651.7	798.7	651.7	384.6	651.7	60- 70	729.7	4561	72.1,72.1
80	606.5	474.6	144.1	474.6	606.5	474.6	144.1	474.6	70- 80	563.8	5125	81.1,81.1
90	445.7	333.6	9.739	333.6	445.7	333.6	9.739	333.6	80- 90	398.2	5523	87.4,87.4
100	331.7	224.6	13.33	224.6	331.7	224.6	13.33	224.6	90-100	272.9	5796	91.7,91.7
110	242.1	158.5	15.89	158.5	242.1	158.5	15.89	158.5	100-110	187.0	5983	94.6,94.6
120	172.4	111.1	19.93	111.1	172.4	111.1	19.93	111.1	110-120	127.4	6110	96.6,96.6
130	119.1	81.46	24.06	81.46	119.1	81.46	24.06	81.46	120-130	84.69	6195	98,98
140	80.97	63.15	28.31	63.15	80.97	63.15	28.31	63.15	130-140	55.12	6250	98.9,98.9
150	55.46	51.81	32.33	51.81	55.46	51.81	32.33	51.81	140-150	35.20	6285	99.4,99.4
160	40.84	44.79	35.78	44.79	40.84	44.79	35.78	44.79	150-160	21.59	6307	99.8,99.8
170	34.92	39.99	38.36	39.99	34.92	39.99	38.36	39.99	160-170	11.72	6319	99.9,99.9
180	34.87	39.17	39.64	39.17	34.87	39.17	39.64	39.17	170-180	3.715	6322	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2541.4 lm

%lum = 40.2%  
%lamp = 40.2%

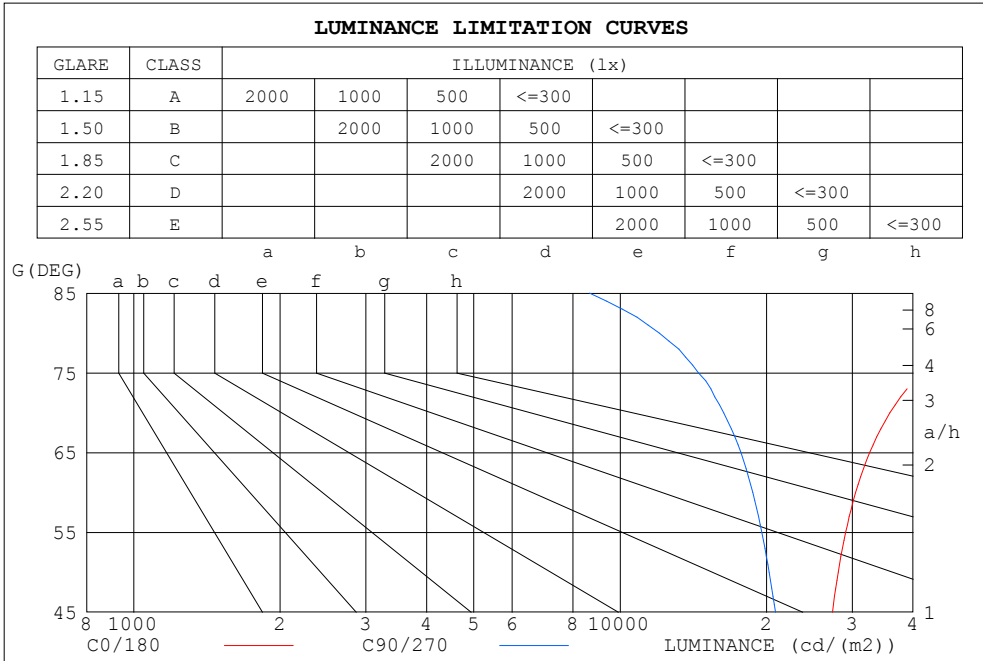
Conical surface Flux(120deg): 3831.4 lm

%lum = 60.6%  
%lamp = 60.6%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:2022-04-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:53.0%  
Test Distance:10.700m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES



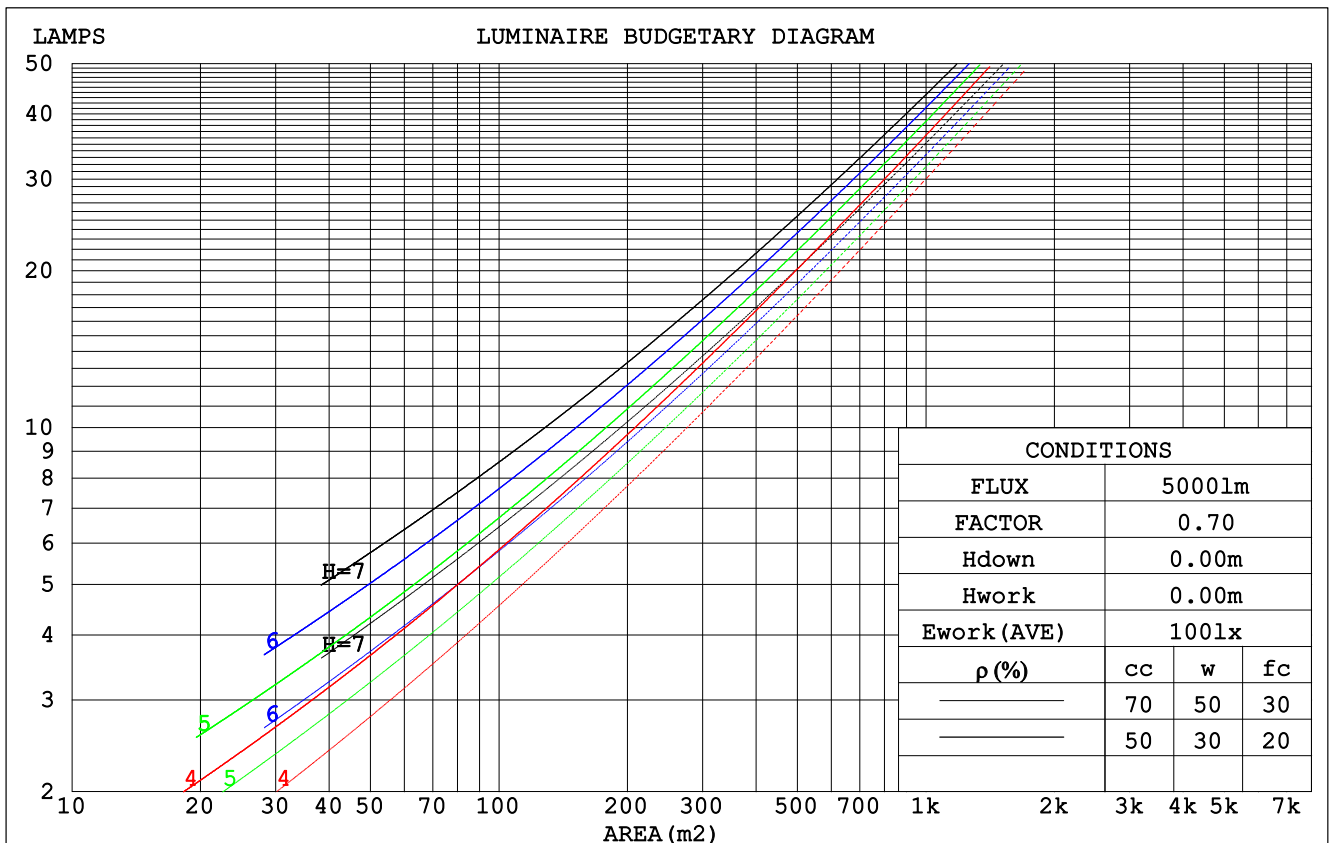
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	91393	8649
80	53631	12041
75	41605	14477
70	35859	16319
65	32576	17710
60	30493	18730
55	29085	19553
50	28067	20246
45	27315	20859

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2022-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	.98	.93	.88	.94	.90	.85	.88	.84	.80	.81	.78	.76	.76	.73	.71	.68
2.0	.84	.76	.70	.81	.74	.68	.75	.70	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.64	.57	.71	.62	.56	.66	.59	.53	.61	.56	.51	.57	.52	.48	.46
4.0	.64	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.51	.45	.41	.38
5.0	.57	.48	.41	.55	.47	.40	.52	.44	.39	.48	.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	.37	.31	.42	.35	.29	.40	.33	.28	.37	.32	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.29	.24	.22
9.0	.39	.30	.25	.38	.30	.24	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.29	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [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
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.368	.209	.066	.357	.204	.065	.336	.193	.062	.317	.183	.059	.300	.174	.056	
2.0	.324	.177	.054	.314	.173	.053	.295	.164	.051	.278	.156	.049	.262	.148	.047	
3.0	.290	.154	.046	.281	.151	.045	.264	.143	.044	.249	.136	.042	.234	.130	.040	
4.0	.262	.136	.040	.254	.133	.039	.239	.127	.038	.225	.121	.036	.212	.115	.035	
5.0	.239	.122	.035	.232	.119	.035	.219	.114	.033	.206	.109	.032	.194	.104	.031	
6.0	.220	.110	.032	.213	.108	.031	.201	.103	.030	.189	.098	.029	.179	.094	.028	
7.0	.203	.101	.029	.197	.098	.028	.186	.094	.027	.175	.090	.026	.166	.086	.025	
8.0	.189	.092	.026	.183	.090	.026	.173	.087	.025	.163	.083	.024	.154	.079	.023	
9.0	.176	.085	.024	.171	.083	.023	.162	.080	.023	.153	.077	.022	.144	.073	.021	
10.0	.165	.079	.022	.161	.078	.022	.152	.074	.021	.144	.071	.020	.136	.068	.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
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.287	.287	.287	.245	.245	.245	.167	.167	.167	.096	.096	.096	.031	.031	.031	
1.0	.281	.253	.227	.241	.217	.195	.165	.149	.135	.095	.086	.079	.030	.028	.025	
2.0	.274	.230	.192	.235	.198	.166	.161	.137	.116	.093	.080	.068	.030	.026	.022	
3.0	.267	.213	.170	.229	.184	.147	.157	.127	.103	.091	.074	.061	.029	.024	.020	
4.0	.259	.200	.155	.222	.173	.135	.153	.120	.095	.088	.071	.056	.028	.023	.018	
5.0	.251	.190	.145	.216	.164	.126	.149	.115	.089	.086	.067	.053	.028	.022	.017	
6.0	.244	.182	.138	.210	.158	.120	.145	.110	.085	.084	.065	.050	.027	.021	.017	
7.0	.237	.175	.132	.204	.152	.115	.141	.107	.082	.082	.063	.049	.026	.021	.016	
8.0	.230	.170	.128	.198	.147	.112	.137	.103	.079	.080	.061	.047	.026	.020	.016	
9.0	.224	.165	.125	.193	.143	.109	.134	.101	.077	.078	.059	.046	.025	.019	.015	
10.0	.218	.161	.122	.188	.139	.107	.130	.098	.076	.076	.058	.045	.025	.019	.015	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [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	17.7	19.1	18.1	19.5	20.0	15.7	17.1	16.1	17.5	18.0
3H	20.1	21.4	20.6	21.8	22.3	17.0	18.3	17.5	18.8	19.3
4H	21.4	22.6	21.9	23.1	23.6	17.6	18.8	18.1	19.3	19.8
6H	22.8	23.9	23.3	24.4	25.0	17.9	19.1	18.4	19.6	20.1
8H	23.5	24.6	24.0	25.1	25.7	18.0	19.1	18.5	19.6	20.2
12H	24.3	25.4	24.9	26.0	26.5	18.0	19.1	18.6	19.6	20.2
4H 2H	18.2	19.4	18.7	19.9	20.4	16.7	17.9	17.2	18.4	18.9
3H	20.8	21.9	21.4	22.4	23.0	18.3	19.4	18.8	19.9	20.5
4H	22.3	23.3	22.9	23.9	24.5	19.0	20.0	19.6	20.6	21.2
6H	24.0	24.9	24.6	25.5	26.1	19.5	20.4	20.1	21.0	21.6
8H	24.9	25.7	25.5	26.3	27.0	19.7	20.5	20.3	21.1	21.7
12H	25.9	26.7	26.5	27.2	27.9	19.8	20.5	20.4	21.1	21.8
8H 4H	22.6	23.5	23.2	24.1	24.7	19.9	20.8	20.5	21.4	22.0
6H	24.6	25.3	25.2	25.9	26.6	20.8	21.5	21.4	22.1	22.8
8H	25.7	26.4	26.4	27.0	27.7	21.1	21.8	21.8	22.4	23.1
12H	27.0	27.6	27.7	28.2	29.0	21.4	21.9	22.0	22.6	23.3
12H 4H	22.6	23.4	23.3	24.0	24.7	20.2	21.0	20.8	21.6	22.3
6H	24.7	25.3	25.3	26.0	26.7	21.3	21.9	21.9	22.6	23.3
8H	25.9	26.5	26.6	27.1	27.9	21.8	22.4	22.5	23.0	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 6322 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.4)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks:

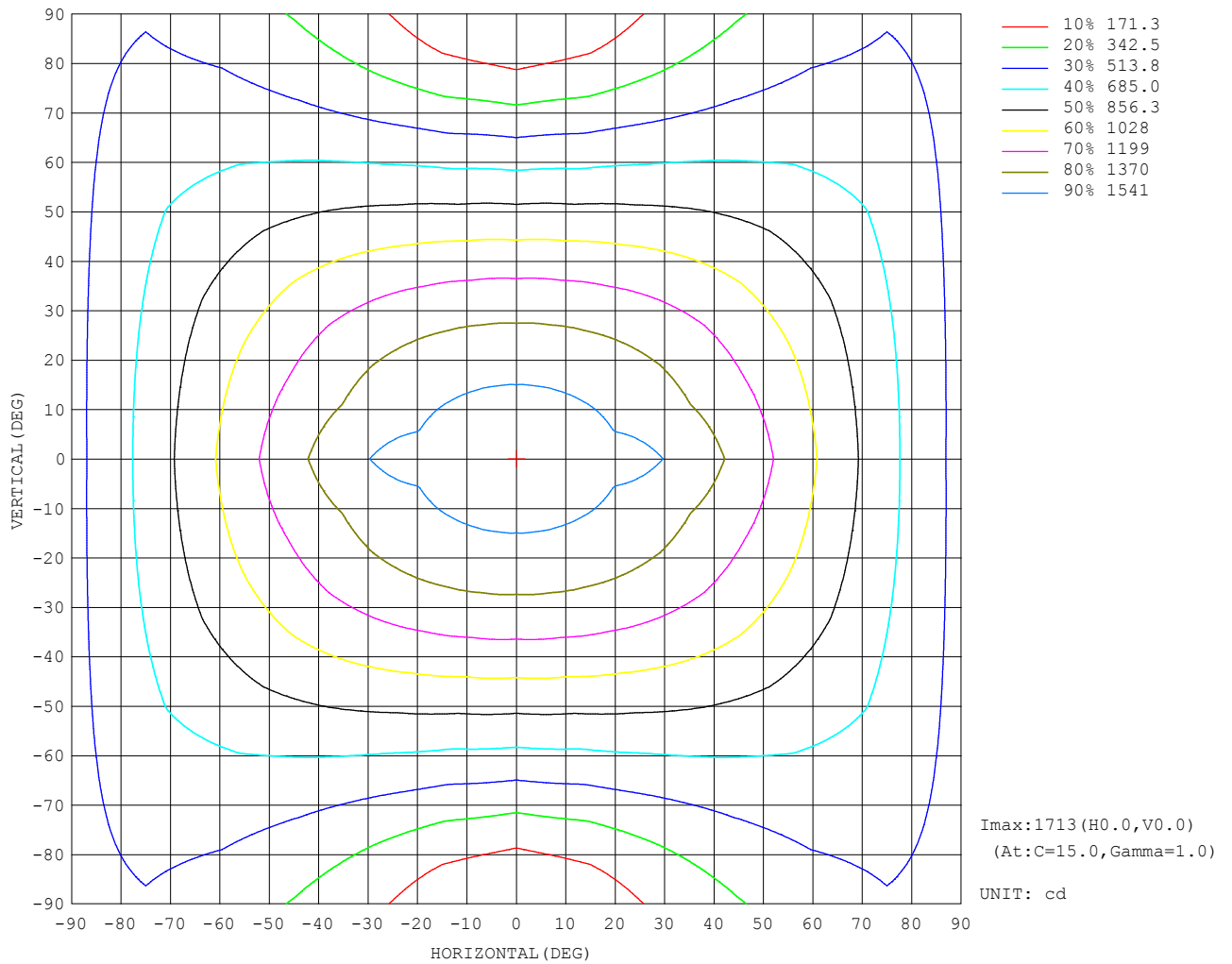
**UTILIZATION FACTORS TABLE**

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	62	54	69	59	52	43
1.50	80	68	60	77	67	59	73	64	57	48
2.00	87	77	69	84	75	67	79	71	65	55
2.50	91	82	74	88	80	73	83	76	70	58
3.00	95	86	79	92	84	77	86	79	74	62
4.00	99	92	86	96	89	84	90	84	80	67
5.00	102	96	90	99	93	88	92	87	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: 2022-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

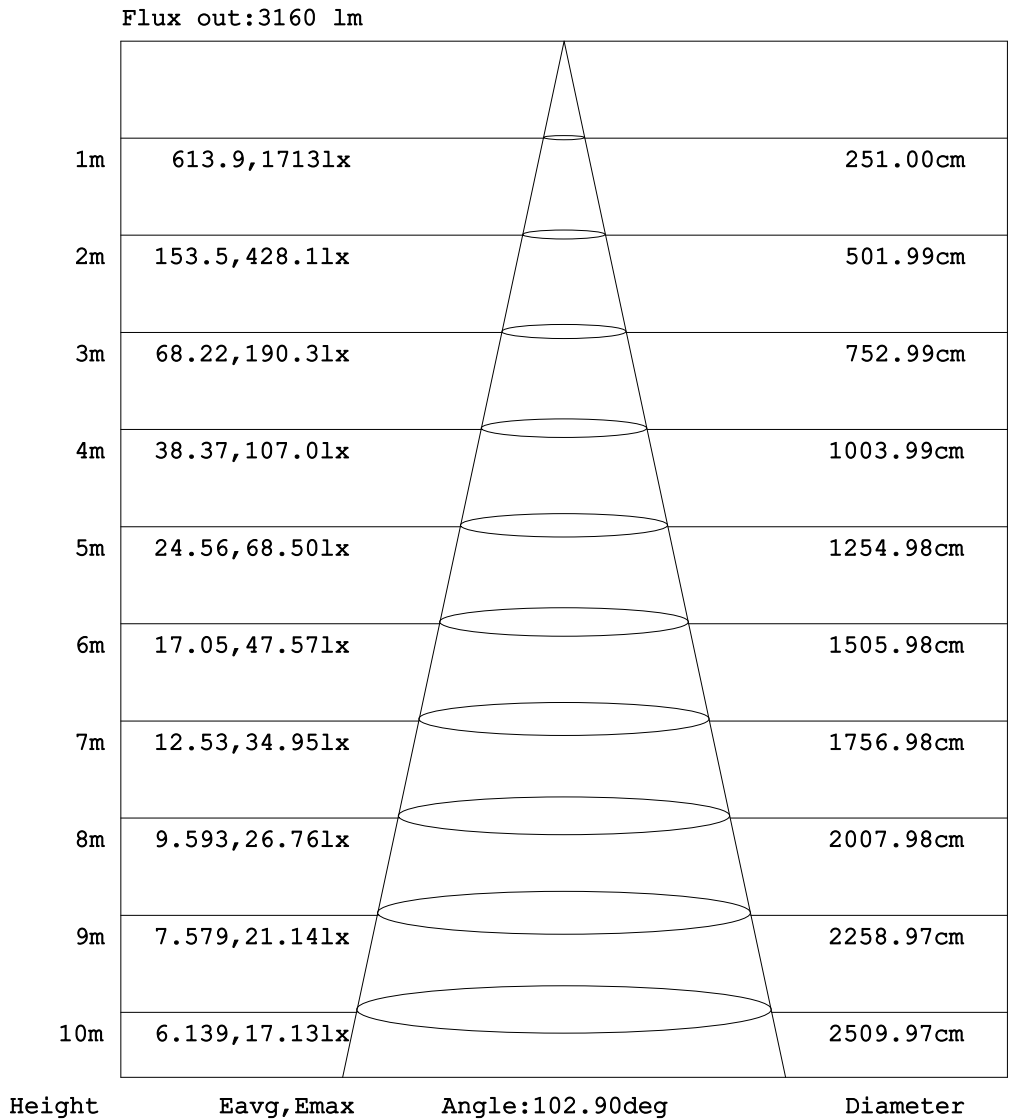


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2022-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [K=1.0000]  
 Remarks:



AAI Figure

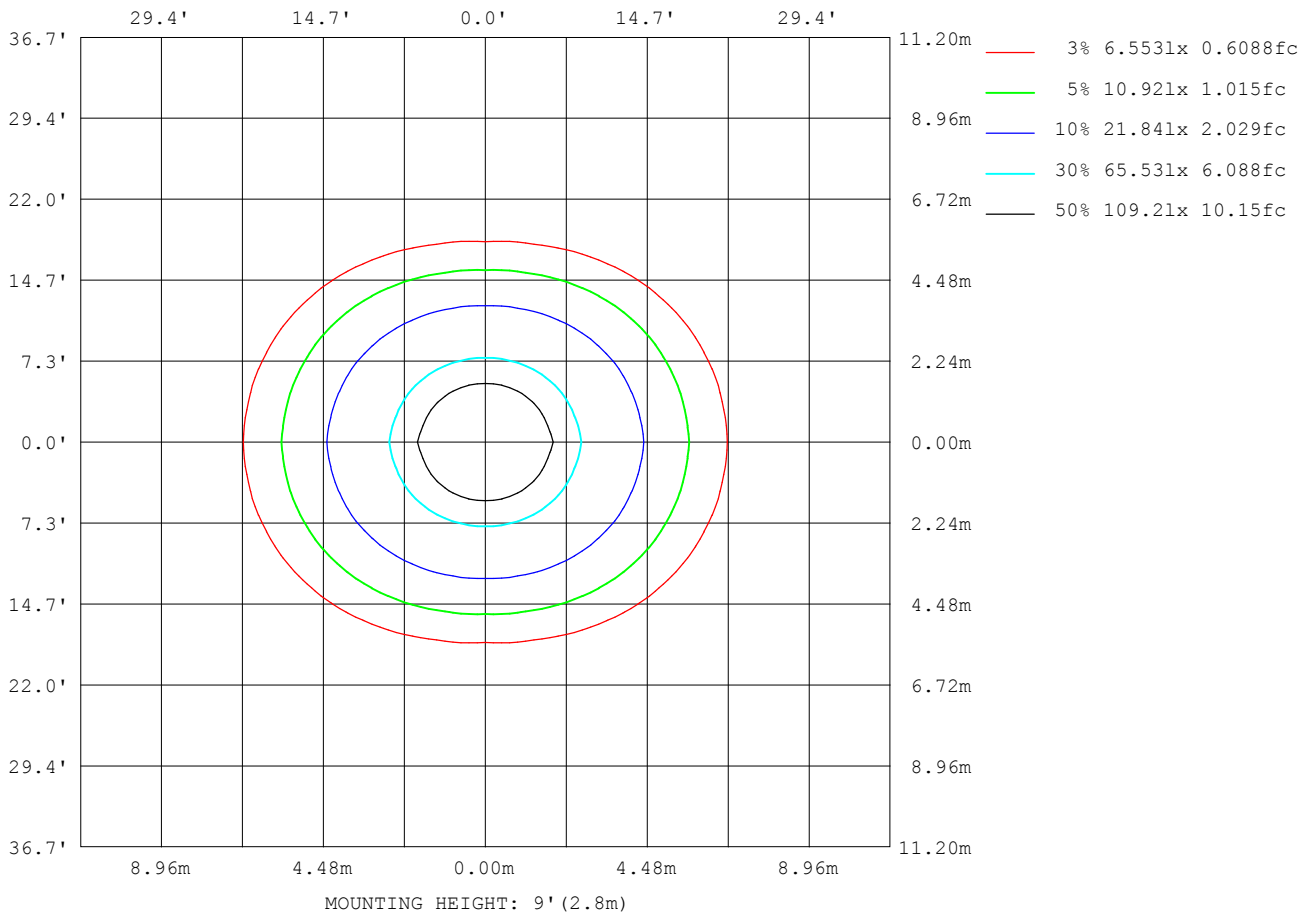


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:230.6V I:0.1701A P:38.24W PF:0.9752 Freq:49.99Hz Lamp Flux:6322.49x1 lm		
NAME: T66AP-CC-40-1500K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

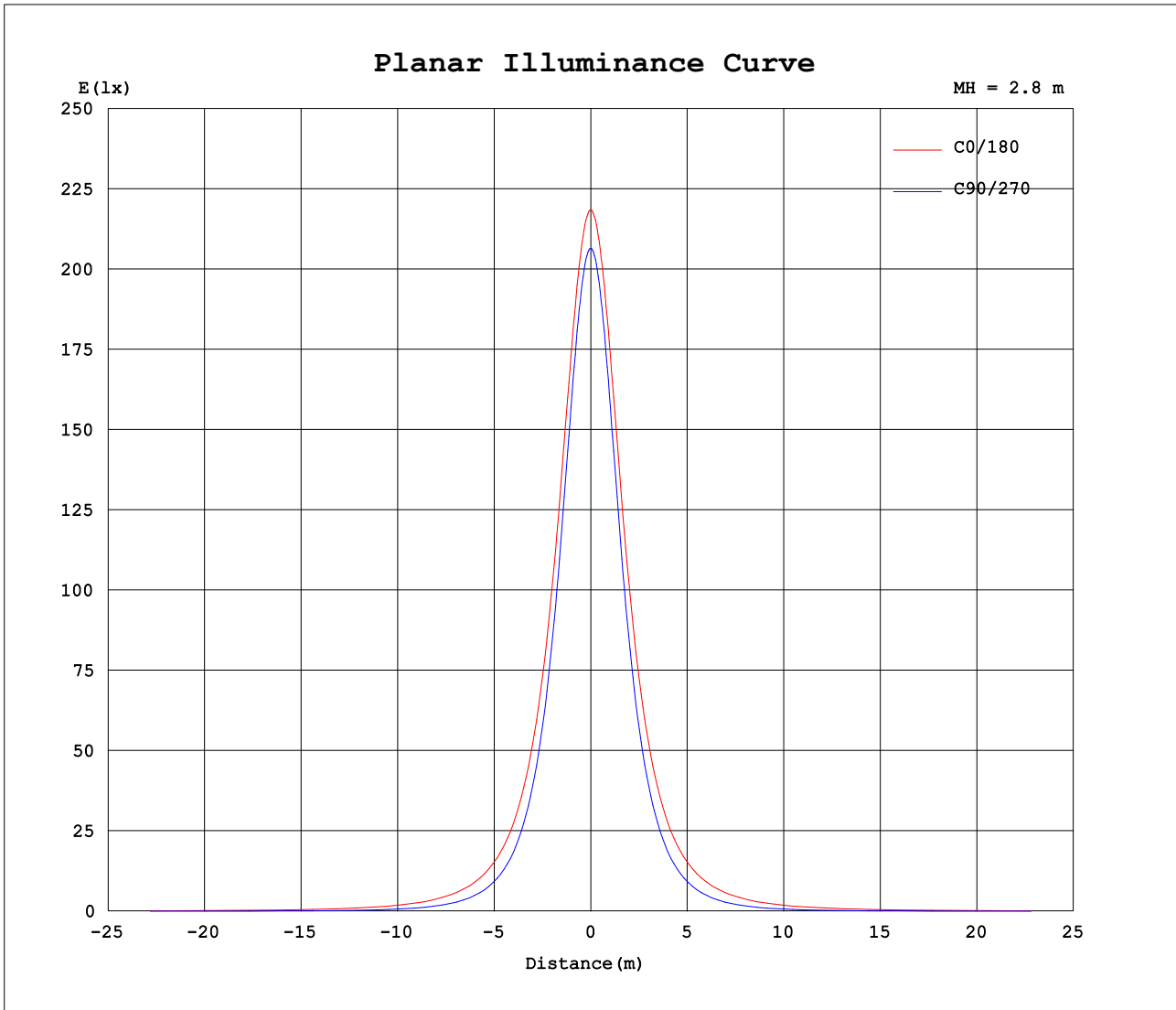
AvgL	cd/m2
L_0~180 (65) av	30972
L_0~180 (75) av	39556
L_0~180 (85) av	86892
L_90~270 (65) av	17814
L_90~270 (75) av	14563
L_90~270 (85) av	8700
L_45 (65) av	25939
L_45 (75) av	31439
L_45 (85) av	67123

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [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: 2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 53.0%  
 Test Distance: 10.700m [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	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628
5	1623	1623	1622	1622	1620	1620	1620	1620	1620	1622	1622	1623	1623	1623	1622	1622	1620	1620	1620
10	1609	1608	1605	1602	1597	1594	1593	1594	1597	1602	1605	1608	1609	1608	1605	1602	1597	1594	1593
15	1586	1583	1577	1569	1559	1552	1550	1552	1559	1569	1577	1583	1586	1583	1577	1569	1559	1552	1550
20	1554	1550	1538	1523	1507	1495	1492	1495	1507	1523	1538	1550	1554	1550	1538	1523	1507	1495	1492
25	1513	1507	1490	1466	1442	1424	1418	1424	1442	1466	1490	1507	1513	1507	1490	1466	1442	1424	1418
30	1462	1456	1432	1399	1365	1341	1332	1341	1365	1399	1432	1456	1462	1456	1432	1399	1365	1341	1332
35	1402	1397	1366	1323	1279	1247	1236	1247	1279	1323	1366	1397	1402	1397	1366	1323	1279	1247	1236
40	1334	1329	1291	1239	1184	1144	1129	1144	1184	1239	1291	1329	1334	1329	1291	1239	1184	1144	1129
45	1258	1256	1211	1148	1083	1034	1016	1034	1083	1148	1211	1256	1258	1256	1211	1148	1083	1034	1016
50	1175	1176	1125	1053	977	919	897	919	977	1053	1125	1176	1175	1176	1125	1053	977	919	897
55	1086	1091	1034	953	867	799	773	799	867	953	1034	1091	1086	1091	1034	953	867	799	773
60	993	1002	941	852	756	677	645	677	756	852	941	1002	993	1002	941	852	756	677	645
65	897	911	846	751	645	555	516	555	645	751	846	911	897	911	846	751	645	555	516
70	799	820	753	652	536	433	385	433	536	652	753	820	799	820	753	652	536	433	385
75	701	735	664	557	434	317	258	317	434	557	664	735	701	735	664	557	434	317	258
80	607	655	584	475	343	212	144	212	343	475	584	655	607	655	584	475	343	212	144
85	519	577	508	401	269	130	51.9	130	269	401	508	577	519	577	508	401	269	130	51.9
90	446	502	436	334	208	80.7	9.74	80.7	208	334	436	502	446	502	436	334	208	80.7	9.74
95	385	431	369	273	160	54.0	11.7	54.0	160	273	369	431	385	431	369	273	160	54.0	11.7
100	332	366	310	225	127	41.7	13.3	41.7	127	225	310	366	332	366	310	225	127	41.7	13.3
105	284	310	261	188	104	35.5	15.1	35.5	104	188	261	310	284	310	261	188	104	35.5	15.1
110	242	265	222	159	86.8	32.5	15.9	32.5	86.8	159	222	265	242	265	222	159	86.8	32.5	15.9
115	205	225	188	133	73.2	31.2	17.9	31.2	73.2	133	188	225	205	225	188	133	73.2	31.2	17.9
120	172	191	159	111	63.8	31.1	19.9	31.1	63.8	111	159	191	172	191	159	111	63.8	31.1	19.9
125	144	161	134	94.4	57.1	31.6	22.0	31.6	57.1	94.4	134	161	144	161	134	94.4	57.1	31.6	22.0
130	119	135	111	81.5	52.3	32.2	24.1	32.2	52.3	81.5	111	135	119	135	111	81.5	52.3	32.2	24.1
135	98.3	113	94.2	71.1	48.9	33.0	26.1	33.0	48.9	71.1	94.2	113	98.3	113	94.2	71.1	48.9	33.0	26.1
140	81.0	94.8	80.4	63.1	46.3	33.4	28.3	33.4	46.3	63.1	80.4	94.8	81.0	94.8	80.4	63.1	46.3	33.4	28.3
145	66.7	79.6	69.5	56.8	44.4	34.2	30.4	34.2	44.4	56.8	69.5	79.6	66.7	79.6	69.5	56.8	44.4	34.2	30.4
150	55.5	67.2	60.7	51.8	42.7	35.1	32.3	35.1	42.7	51.8	60.7	67.2	55.5	67.2	60.7	51.8	42.7	35.1	32.3
155	46.9	58.1	53.9	47.9	41.1	35.9	34.1	35.9	41.1	47.9	53.9	58.1	46.9	58.1	53.9	47.9	41.1	35.9	34.1
160	40.8	51.2	48.6	44.8	40.2	36.7	35.8	36.7	40.2	44.8	48.6	51.2	40.8	51.2	48.6	44.8	40.2	36.7	35.8
165	37.0	45.9	44.2	41.9	39.5	37.6	37.2	37.6	39.5	41.9	44.2	45.9	37.0	45.9	44.2	41.9	39.5	37.6	37.2
170	34.9	41.6	41.0	40.0	39.0	38.3	38.4	38.3	39.0	40.0	41.0	41.6	34.9	41.6	41.0	40.0	39.0	38.3	38.4
175	34.7	39.0	39.1	38.9	38.9	39.3	39.2	39.3	38.9	38.9	39.1	39.0	34.7	39.0	39.1	38.9	38.9	39.3	39.2
180	34.9	38.4	38.8	39.2	39.4	39.6	39.6	39.6	39.4	39.2	38.8	38.4	34.9	38.4	38.8	39.2	39.4	39.6	39.6

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	1628	1628	1628	1628	1628															
5	1620	1620	1622	1622	1623															
10	1594	1597	1602	1605	1608															
15	1552	1559	1569	1577	1583															
20	1495	1507	1523	1538	1550															
25	1424	1442	1466	1490	1507															
30	1341	1365	1399	1432	1456															
35	1247	1279	1323	1366	1397															
40	1144	1184	1239	1291	1329															
45	1034	1083	1148	1211	1256															
50	919	977	1053	1125	1176															
55	799	867	953	1034	1091															
60	677	756	852	941	1002															
65	555	645	751	846	911															
70	433	536	652	753	820															
75	317	434	557	664	735															
80	212	343	475	584	655															
85	130	269	401	508	577															
90	80.7	208	334	436	502															
95	54.0	160	273	369	431															
100	41.7	127	225	310	366															
105	35.5	104	188	261	310															
110	32.5	86.8	159	222	265															
115	31.2	73.2	133	188	225															
120	31.1	63.8	111	159	191															
125	31.6	57.1	94.4	134	161															
130	32.2	52.3	81.5	111	135															
135	33.0	48.9	71.1	94.2	113															
140	33.4	46.3	63.1	80.4	94.8															
145	34.2	44.4	56.8	69.5	79.6															
150	35.1	42.7	51.8	60.7	67.2															
155	35.9	41.1	47.9	53.9	58.1															
160	36.7	40.2	44.8	48.6	51.2															
165	37.6	39.5	41.9	44.2	45.9															
170	38.3	39.0	40.0	41.0	41.6															
175	39.3	38.9	38.9	39.1	39.0															
180	39.6	39.4	39.2	38.8	38.4															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [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	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628
3.0	1626	1627	1626	1626	1625	1625	1625	1625	1625	1626
6.0	1621	1621	1620	1619	1617	1616	1616	1616	1617	1619
9.0	1613	1612	1610	1607	1603	1601	1600	1601	1603	1607
12.0	1601	1599	1596	1590	1583	1579	1578	1579	1583	1590
15.0	1586	1583	1577	1569	1559	1552	1550	1552	1559	1569
18.0	1568	1564	1555	1543	1529	1520	1517	1520	1529	1543
21.0	1547	1542	1530	1512	1495	1482	1478	1482	1495	1512
24.0	1521	1516	1500	1478	1455	1440	1434	1440	1455	1478
27.0	1493	1487	1468	1440	1412	1392	1385	1392	1412	1440
30.0	1462	1456	1432	1399	1365	1341	1332	1341	1365	1399
33.0	1427	1421	1393	1355	1314	1286	1275	1286	1314	1355
36.0	1389	1383	1351	1307	1260	1227	1215	1227	1260	1307
39.0	1348	1343	1307	1256	1204	1165	1151	1165	1204	1256
42.0	1305	1301	1260	1203	1144	1101	1085	1101	1144	1203
45.0	1258	1256	1211	1148	1083	1034	1016	1034	1083	1148
48.0	1209	1208	1160	1091	1020	965.4	945.3	965.4	1020	1091
51.0	1158	1159	1107	1033	955.0	895.0	872.6	895.0	955.0	1033
54.0	1104	1108	1053	973.7	889.4	823.4	797.9	823.4	889.4	973.7
57.0	1049	1055	997.1	913.1	822.8	750.6	722.2	750.6	822.8	913.1
60.0	993.0	1002	940.6	852.4	755.9	677.3	645.3	677.3	755.9	852.4
63.0	935.5	947.4	883.9	791.3	689.2	603.7	567.7	603.7	689.2	791.3
66.0	877.5	892.8	827.1	730.7	622.9	530.2	489.9	530.2	622.9	730.7
69.0	818.3	838.3	770.9	671.3	557.3	456.8	410.4	456.8	557.3	671.3
72.0	759.4	785.4	716.3	612.6	494.1	385.7	333.4	385.7	494.1	612.6
75.0	701.3	735.3	663.8	557.4	433.7	316.6	258.2	316.6	433.7	557.4
78.0	643.8	686.3	615.3	506.0	377.6	253.0	189.1	253.0	377.6	506.0
81.0	588.1	639.0	568.3	459.2	327.0	193.8	123.2	193.8	327.0	459.2
84.0	535.4	591.9	522.6	414.9	282.3	144.3	67.53	144.3	282.3	414.9
87.0	487.2	546.3	478.4	373.0	242.8	106.9	26.92	106.9	242.8	373.0
90.0	445.7	501.6	435.6	333.6	207.9	80.72	9.739	80.72	207.9	333.6
93.0	407.5	458.4	395.0	296.3	177.4	62.14	11.09	62.14	177.4	296.3
96.0	373.6	417.3	356.7	262.6	152.3	50.82	12.05	50.82	152.3	262.6
99.0	341.9	378.2	320.8	233.4	133.0	43.53	13.07	43.53	133.0	233.4
102.0	312.0	342.1	288.9	209.0	117.2	38.83	14.00	38.83	117.2	209.0
105.0	284.1	310.5	261.4	188.4	104.2	35.50	15.12	35.50	104.2	188.4
108.0	258.3	282.2	237.3	169.8	93.13	33.48	15.30	33.48	93.13	169.8
111.0	234.3	256.6	215.0	153.2	83.41	32.06	16.28	32.06	83.41	153.2
114.0	211.9	232.9	194.7	137.6	75.45	31.35	17.50	31.35	75.45	137.6
117.0	191.4	210.9	176.1	123.3	69.10	31.08	18.71	31.08	69.10	123.3
120.0	172.4	190.8	158.5	111.1	63.84	31.13	19.93	31.13	63.84	111.1
123.0	154.3	172.3	143.3	100.6	59.56	31.39	21.17	31.39	59.56	100.6
126.0	138.3	155.5	129.3	91.54	56.01	31.77	22.41	31.77	56.01	91.54
129.0	123.7	139.9	115.5	83.82	53.18	32.11	23.65	32.11	53.18	83.82
132.0	110.4	126.0	104.0	77.01	50.81	32.53	24.87	32.53	50.81	77.01
135.0	98.34	113.1	94.24	71.13	48.92	32.95	26.11	32.95	48.92	71.13
138.0	87.53	101.8	85.53	66.12	47.21	33.12	27.47	33.12	47.21	66.12
141.0	77.85	91.60	77.99	61.74	45.88	33.49	28.73	33.49	45.88	61.74
144.0	69.37	82.42	71.49	57.93	44.74	33.99	29.96	33.99	44.74	57.93
147.0	61.90	74.26	65.74	54.66	43.64	34.56	31.17	34.56	43.64	54.66
150.0	55.46	67.23	60.71	51.81	42.73	35.09	32.33	35.09	42.73	51.81
153.0	50.02	61.45	56.38	49.34	41.91	35.59	33.42	35.59	41.91	49.34
156.0	45.48	56.53	52.71	47.16	40.87	36.04	34.48	36.04	40.87	47.16
159.0	41.82	52.41	49.52	45.35	40.33	36.51	35.47	36.51	40.33	45.35
162.0	39.12	48.96	46.88	43.38	39.89	37.04	36.38	37.04	39.89	43.38
165.0	37.01	45.92	44.23	41.90	39.47	37.55	37.22	37.55	39.47	41.90
168.0	35.76	43.03	42.11	40.67	39.08	37.94	37.95	37.94	39.08	40.67
171.0	34.74	40.92	40.45	39.67	38.97	38.47	38.56	38.47	38.97	39.67
174.0	34.62	39.32	39.29	39.15	38.86	39.20	39.07	39.20	38.86	39.15
177.0	34.74	38.34	38.67	39.01	39.38	39.44	39.43	39.44	39.38	39.01
180.0	34.87	38.37	38.85	39.17	39.42	39.60	39.64	39.60	39.42	39.17
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1628	1628	1628	1628	1628	1628	1628	1628	1628	1628
3.0	1626	1627	1626	1627	1626	1626	1625	1625	1625	1626
6.0	1620	1621	1621	1621	1620	1619	1617	1616	1616	1616
9.0	1610	1612	1613	1612	1610	1607	1603	1601	1600	1601
12.0	1596	1599	1601	1599	1596	1590	1583	1579	1578	1579
15.0	1577	1583	1586	1583	1577	1569	1559	1552	1550	1552
18.0	1555	1564	1568	1564	1555	1543	1529	1520	1517	1520
21.0	1530	1542	1547	1542	1530	1512	1495	1482	1478	1482
24.0	1500	1516	1521	1516	1500	1478	1455	1440	1434	1440
27.0	1468	1487	1493	1487	1468	1440	1412	1392	1385	1392
30.0	1432	1456	1462	1456	1432	1399	1365	1341	1332	1341

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

33.0	1393	1421	1427	1421	1393	1355	1314	1286	1275	1286
36.0	1351	1383	1389	1383	1351	1307	1260	1227	1215	1227
39.0	1307	1343	1348	1343	1307	1256	1204	1165	1151	1165
42.0	1260	1301	1305	1301	1260	1203	1144	1101	1085	1101
45.0	1211	1256	1258	1256	1211	1148	1083	1034	1016	1034
48.0	1160	1208	1209	1208	1160	1091	1020	965.4	945.3	965.4
51.0	1107	1159	1158	1159	1107	1033	955.0	895.0	872.6	895.0
54.0	1053	1108	1104	1108	1053	973.7	889.4	823.4	797.9	823.4
57.0	997.1	1055	1049	1055	997.1	913.1	822.8	750.6	722.2	750.6
60.0	940.6	1002	993.0	1002	940.6	852.4	755.9	677.3	645.3	677.3
63.0	883.9	947.4	935.5	947.4	883.9	791.3	689.2	603.7	567.7	603.7
66.0	827.1	892.8	877.5	892.8	827.1	730.7	622.9	530.2	489.9	530.2
69.0	770.9	838.3	818.3	838.3	770.9	671.3	557.3	456.8	410.4	456.8
72.0	716.3	785.4	759.4	785.4	716.3	612.6	494.1	385.7	333.4	385.7
75.0	663.8	735.3	701.3	735.3	663.8	557.4	433.7	316.6	258.2	316.6
78.0	615.3	686.3	643.8	686.3	615.3	506.0	377.6	253.0	189.1	253.0
81.0	568.3	639.0	588.1	639.0	568.3	459.2	327.0	193.8	123.2	193.8
84.0	522.6	591.9	535.4	591.9	522.6	414.9	282.3	144.3	67.53	144.3
87.0	478.4	546.3	487.2	546.3	478.4	373.0	242.8	106.9	26.92	106.9
90.0	435.6	501.6	445.7	501.6	435.6	333.6	207.9	80.72	9.739	80.72
93.0	395.0	458.4	407.5	458.4	395.0	296.3	177.4	62.14	11.09	62.14
96.0	356.7	417.3	373.6	417.3	356.7	262.6	152.3	50.82	12.05	50.82
99.0	320.8	378.2	341.9	378.2	320.8	233.4	133.0	43.53	13.07	43.53
102.0	288.9	342.1	312.0	342.1	288.9	209.0	117.2	38.83	14.00	38.83
105.0	261.4	310.5	284.1	310.5	261.4	188.4	104.2	35.50	15.12	35.50
108.0	237.3	282.2	258.3	282.2	237.3	169.8	93.13	33.48	15.30	33.48
111.0	215.0	256.6	234.3	256.6	215.0	153.2	83.41	32.06	16.28	32.06
114.0	194.7	232.9	211.9	232.9	194.7	137.6	75.45	31.35	17.50	31.35
117.0	176.1	210.9	191.4	210.9	176.1	123.3	69.10	31.08	18.71	31.08
120.0	158.5	190.8	172.4	190.8	158.5	111.1	63.84	31.13	19.93	31.13
123.0	143.3	172.3	154.3	172.3	143.3	100.6	59.56	31.39	21.17	31.39
126.0	129.3	155.5	138.3	155.5	129.3	91.54	56.01	31.77	22.41	31.77
129.0	115.5	139.9	123.7	139.9	115.5	83.82	53.18	32.11	23.65	32.11
132.0	104.0	126.0	110.4	126.0	104.0	77.01	50.81	32.53	24.87	32.53
135.0	94.24	113.1	98.34	113.1	94.24	71.13	48.92	32.95	26.11	32.95
138.0	85.53	101.8	87.53	101.8	85.53	66.12	47.21	33.12	27.47	33.12
141.0	77.99	91.60	77.85	91.60	77.99	61.74	45.88	33.49	28.73	33.49
144.0	71.49	82.42	69.37	82.42	71.49	57.93	44.74	33.99	29.96	33.99
147.0	65.74	74.26	61.90	74.26	65.74	54.66	43.64	34.56	31.17	34.56
150.0	60.71	67.23	55.46	67.23	60.71	51.81	42.73	35.09	32.33	35.09
153.0	56.38	61.45	50.02	61.45	56.38	49.34	41.91	35.59	33.42	35.59
156.0	52.71	56.53	45.48	56.53	52.71	47.16	40.87	36.04	34.48	36.04
159.0	49.52	52.41	41.82	52.41	49.52	45.35	40.33	36.51	35.47	36.51
162.0	46.88	48.96	39.12	48.96	46.88	43.38	39.89	37.04	36.38	37.04
165.0	44.23	45.92	37.01	45.92	44.23	41.90	39.47	37.55	37.22	37.55
168.0	42.11	43.03	35.76	43.03	42.11	40.67	39.08	37.94	37.95	37.94
171.0	40.45	40.92	34.74	40.92	40.45	39.67	38.97	38.47	38.56	38.47
174.0	39.29	39.32	34.62	39.32	39.29	39.15	38.86	39.20	39.07	39.20
177.0	38.67	38.34	34.74	38.34	38.67	39.01	39.38	39.44	39.43	39.44
180.0	38.85	38.37	34.87	38.37	38.85	39.17	39.42	39.60	39.64	39.60
G/C	300.0	315.0	330.0	345.0						
0.0	1628	1628	1628	1628						
3.0	1625	1626	1626	1627						
6.0	1617	1619	1620	1621						
9.0	1603	1607	1610	1612						
12.0	1583	1590	1596	1599						
15.0	1559	1569	1577	1583						
18.0	1529	1543	1555	1564						
21.0	1495	1512	1530	1542						
24.0	1455	1478	1500	1516						
27.0	1412	1440	1468	1487						
30.0	1365	1399	1432	1456						
33.0	1314	1355	1393	1421						
36.0	1260	1307	1351	1383						
39.0	1204	1256	1307	1343						
42.0	1144	1203	1260	1301						
45.0	1083	1148	1211	1256						
48.0	1020	1091	1160	1208						
51.0	955.0	1033	1107	1159						
54.0	889.4	973.7	1053	1108						
57.0	822.8	913.1	997.1	1055						
60.0	755.9	852.4	940.6	1002						
63.0	689.2	791.3	883.9	947.4						
66.0	622.9	730.7	827.1	892.8						

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks:



Photometric Data Table [cd]

69.0	557.3	671.3	770.9	838.3
72.0	494.1	612.6	716.3	785.4
75.0	433.7	557.4	663.8	735.3
78.0	377.6	506.0	615.3	686.3
81.0	327.0	459.2	568.3	639.0
84.0	282.3	414.9	522.6	591.9
87.0	242.8	373.0	478.4	546.3
90.0	207.9	333.6	435.6	501.6
93.0	177.4	296.3	395.0	458.4
96.0	152.3	262.6	356.7	417.3
99.0	133.0	233.4	320.8	378.2
102.0	117.2	209.0	288.9	342.1
105.0	104.2	188.4	261.4	310.5
108.0	93.13	169.8	237.3	282.2
111.0	83.41	153.2	215.0	256.6
114.0	75.45	137.6	194.7	232.9
117.0	69.10	123.3	176.1	210.9
120.0	63.84	111.1	158.5	190.8
123.0	59.56	100.6	143.3	172.3
126.0	56.01	91.54	129.3	155.5
129.0	53.18	83.82	115.5	139.9
132.0	50.81	77.01	104.0	126.0
135.0	48.92	71.13	94.24	113.1
138.0	47.21	66.12	85.53	101.8
141.0	45.88	61.74	77.99	91.60
144.0	44.74	57.93	71.49	82.42
147.0	43.64	54.66	65.74	74.26
150.0	42.73	51.81	60.71	67.23
153.0	41.91	49.34	56.38	61.45
156.0	40.87	47.16	52.71	56.53
159.0	40.33	45.35	49.52	52.41
162.0	39.89	43.38	46.88	48.96
165.0	39.47	41.90	44.23	45.92
168.0	39.08	40.67	42.11	43.03
171.0	38.97	39.67	40.45	40.92
174.0	38.86	39.15	39.29	39.32
177.0	39.38	39.01	38.67	38.34
180.0	39.42	39.17	38.85	38.37

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2022-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:53.0%  
 Test Distance:10.700m [K=1.0000]  
 Remarks: