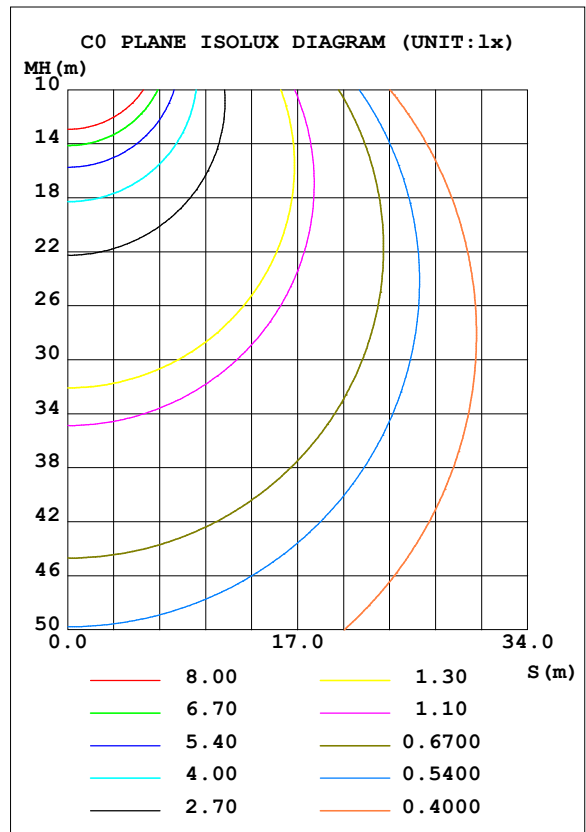
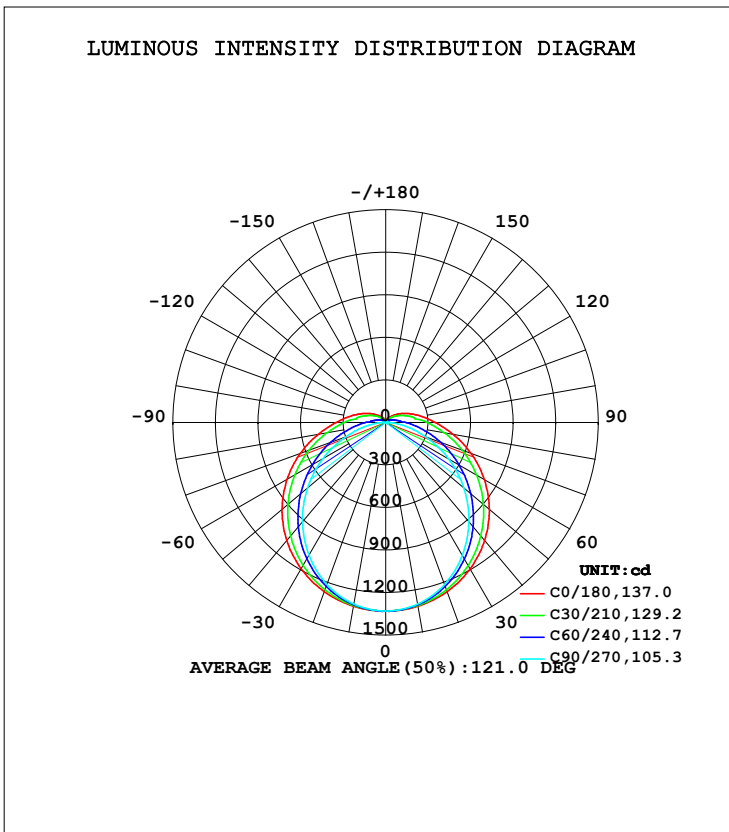


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.2497A P:28.93W PF:0.9636 Freq:49.99Hz Lamp Flux:4871.27x1 lm		
NAME: T66CP-CC-30-1200K-50H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.38 lm/W			
MODEL		I _{max} (cd)	1331	S/MH (C0/180)	1.34
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	4871.3	η UP, DN (C0-180)	5.1, 44.9
NOMINAL FLUX (lm)	4871.27	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.1, 44.9
LAMPS INSIDE	1	η up (%)	10.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	89.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-25

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	1316	1308	1301	1308	1316	1308	1301	1308	0- 10	125.9	125.9	2.59,2.59
20	1270	1243	1215	1243	1270	1243	1215	1243	10- 20	361.5	487.5	10,10
30	1193	1138	1082	1138	1193	1138	1082	1138	20- 30	550.8	1038	21.3,21.3
40	1086	1003	913.9	1003	1086	1003	913.9	1003	30- 40	671.5	1710	35.1,35.1
50	954.4	843.8	719.9	843.8	954.4	843.8	719.9	843.8	40- 50	712.5	2422	49.7,49.7
60	802.9	673.0	512.4	673.0	802.9	673.0	512.4	673.0	50- 60	674.3	3097	63.6,63.6
70	641.5	502.4	303.9	502.4	641.5	502.4	303.9	502.4	60- 70	570.5	3667	75.3,75.3
80	482.6	345.4	124.9	345.4	482.6	345.4	124.9	345.4	70- 80	426.9	4094	84,84
90	349.2	226.4	5.834	226.4	349.2	226.4	5.834	226.4	80- 90	283.0	4377	89.9,89.9
100	256.5	151.7	12.67	151.7	256.5	151.7	12.67	151.7	90-100	184.5	4561	93.6,93.6
110	183.4	102.0	6.051	102.0	183.4	102.0	6.051	102.0	100-110	125.0	4686	96.2,96.2
120	126.3	65.41	6.606	65.41	126.3	65.41	6.606	65.41	110-120	81.32	4768	97.9,97.9
130	83.71	40.16	7.587	40.16	83.71	40.16	7.587	40.16	120-130	49.00	4817	98.9,98.9
140	52.70	25.84	8.834	25.84	52.70	25.84	8.834	25.84	130-140	27.53	4844	99.4,99.4
150	31.46	17.69	10.09	17.69	31.46	17.69	10.09	17.69	140-150	14.68	4859	99.7,99.7
160	18.64	13.75	11.11	13.75	18.64	13.75	11.11	13.75	150-160	7.548	4866	99.9,99.9
170	12.85	12.11	11.70	12.11	12.85	12.11	11.70	12.11	160-170	3.685	4870	100,100
180	12.02	12.02	12.06	12.02	12.02	12.02	12.06	12.02	170-180	1.152	4871	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2066 lm

%lum = 42.4%
 %lamp = 42.4%

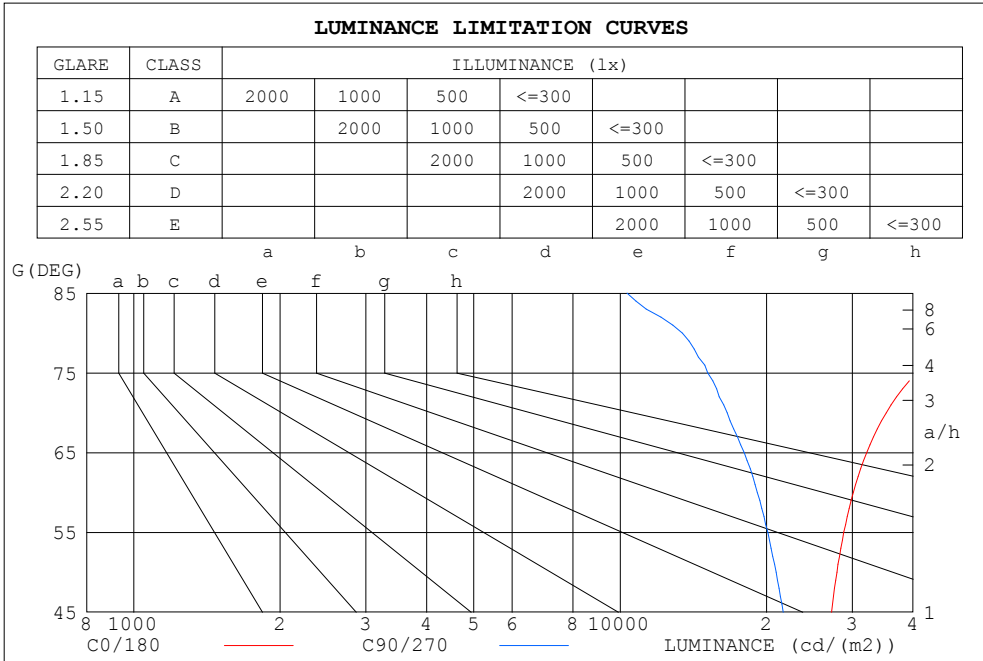
Conical surface Flux(120deg): 3096.5 lm

%lum = 63.6%
 %lamp = 63.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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



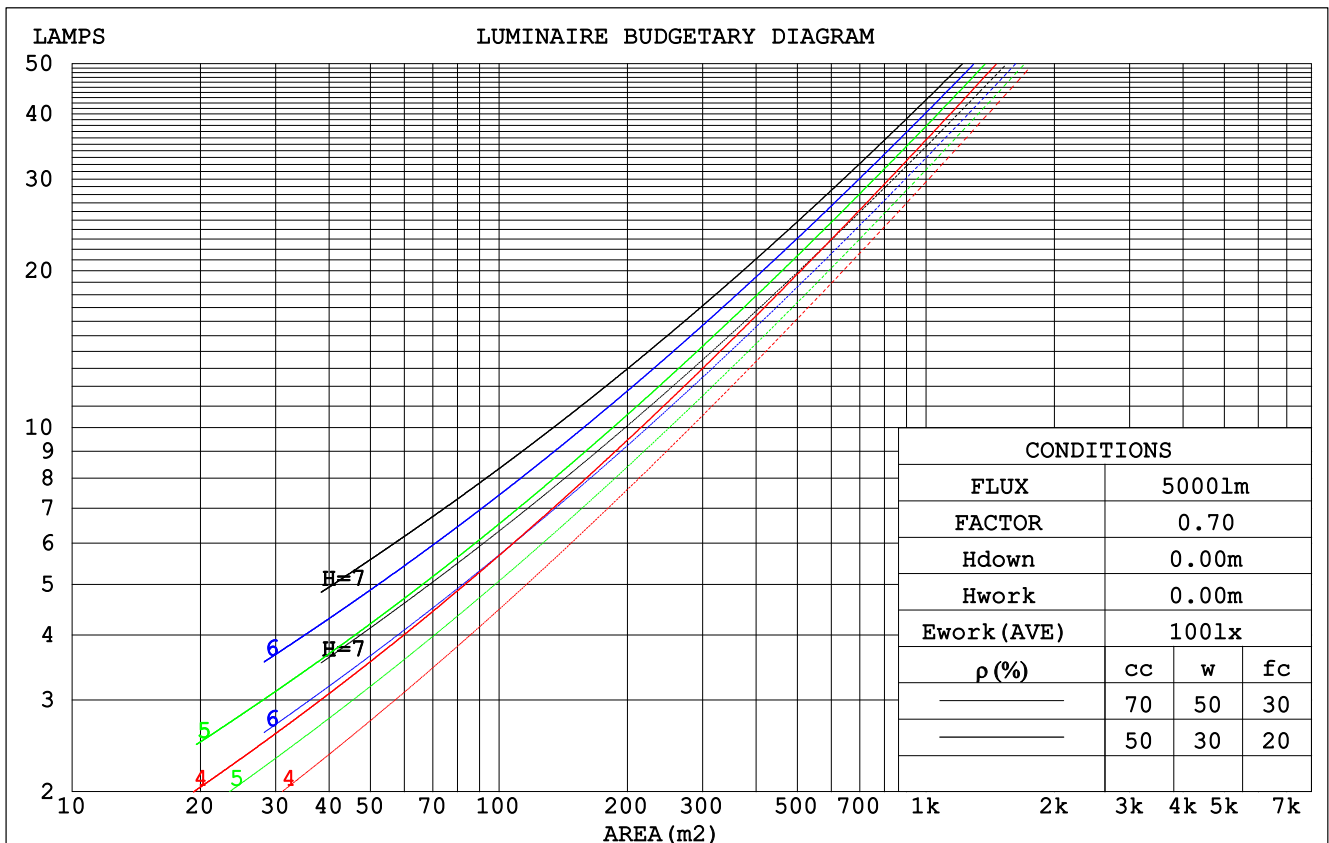
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	88277	10334
80	52216	13429
75	40700	15123
70	35240	16596
65	32118	17982
60	30172	19142
55	28833	20107
50	27898	20919
45	27194	21630

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-25

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

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	.99	.94	.89	.95	.91	.87	.89	.86	.82	.84	.81	.78	.78	.76	.74	.71
2.0	.85	.77	.71	.82	.75	.69	.77	.71	.66	.72	.67	.63	.68	.64	.60	.58
3.0	.74	.65	.58	.72	.64	.57	.67	.60	.55	.63	.57	.53	.59	.54	.50	.48
4.0	.65	.56	.49	.63	.55	.48	.59	.52	.46	.56	.50	.45	.53	.47	.43	.40
5.0	.58	.49	.42	.56	.48	.41	.53	.45	.40	.50	.43	.38	.47	.41	.37	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.40	.35	.45	.38	.33	.43	.37	.32	.30
7.0	.47	.38	.32	.46	.37	.31	.43	.36	.30	.41	.34	.30	.39	.33	.29	.26
8.0	.43	.34	.28	.42	.34	.28	.40	.32	.27	.38	.31	.26	.36	.30	.26	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.35	.28	.24	.33	.27	.23	.21
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.32	.26	.21	.31	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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	.362	.206	.065	.351	.200	.064	.332	.191	.061	.314	.181	.058	.298	.173	.056	
2.0	.320	.176	.054	.311	.171	.053	.294	.163	.051	.278	.156	.049	.263	.149	.047	
3.0	.288	.153	.046	.280	.150	.045	.264	.143	.044	.250	.137	.042	.237	.131	.041	
4.0	.261	.136	.040	.254	.133	.039	.240	.127	.038	.227	.122	.037	.215	.117	.036	
5.0	.239	.122	.035	.232	.119	.035	.219	.114	.034	.208	.110	.033	.197	.105	.032	
6.0	.220	.110	.032	.214	.108	.031	.202	.104	.030	.191	.099	.029	.181	.096	.028	
7.0	.203	.100	.028	.198	.098	.028	.187	.095	.027	.178	.091	.026	.168	.087	.026	
8.0	.189	.092	.026	.184	.091	.026	.174	.087	.025	.165	.084	.024	.157	.081	.023	
9.0	.176	.085	.024	.172	.084	.023	.163	.081	.023	.155	.078	.022	.147	.075	.022	
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.139	.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	.268	.268	.268	.229	.229	.229	.156	.156	.156	.090	.090	.090	.029	.029	.029	
1.0	.262	.234	.208	.224	.201	.179	.153	.138	.124	.088	.080	.072	.028	.026	.023	
2.0	.255	.210	.173	.218	.181	.150	.149	.125	.104	.086	.073	.061	.028	.024	.020	
3.0	.247	.193	.151	.212	.167	.131	.145	.116	.092	.084	.068	.054	.027	.022	.018	
4.0	.239	.181	.136	.205	.156	.118	.141	.109	.083	.082	.064	.049	.026	.021	.016	
5.0	.231	.170	.125	.199	.147	.109	.137	.103	.077	.079	.060	.046	.026	.020	.015	
6.0	.224	.162	.118	.193	.141	.103	.133	.098	.073	.077	.058	.043	.025	.019	.014	
7.0	.217	.156	.113	.187	.135	.098	.129	.095	.070	.075	.056	.041	.024	.018	.014	
8.0	.210	.150	.108	.181	.130	.095	.125	.091	.067	.073	.054	.040	.024	.018	.013	
9.0	.204	.145	.105	.176	.126	.092	.122	.089	.065	.071	.052	.039	.023	.017	.013	
10.0	.198	.141	.103	.171	.122	.090	.119	.086	.064	.069	.051	.038	.022	.017	.013	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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	18.7	20.2	19.1	20.6	21.0	16.8	18.3	17.2	18.6	19.1
3H	21.1	22.4	21.5	22.8	23.3	18.2	19.5	18.6	19.9	20.3
4H	22.3	23.6	22.8	24.0	24.5	18.7	19.9	19.1	20.4	20.8
6H	23.6	24.8	24.1	25.3	25.8	19.0	20.2	19.5	20.7	21.2
8H	24.3	25.5	24.8	25.9	26.4	19.1	20.3	19.6	20.8	21.3
12H	25.1	26.2	25.6	26.7	27.2	19.2	20.3	19.7	20.8	21.3
4H 2H	19.2	20.5	19.7	20.9	21.4	17.8	19.1	18.3	19.5	20.0
3H	21.8	22.9	22.3	23.4	23.9	19.4	20.5	19.9	21.0	21.5
4H	23.2	24.3	23.8	24.8	25.3	20.1	21.1	20.6	21.6	22.1
6H	24.8	25.7	25.3	26.2	26.8	20.6	21.5	21.1	22.0	22.6
8H	25.6	26.5	26.2	27.0	27.6	20.7	21.6	21.3	22.1	22.7
12H	26.6	27.4	27.2	27.9	28.5	20.8	21.6	21.4	22.2	22.8
8H 4H	23.5	24.4	24.1	24.9	25.5	20.9	21.8	21.5	22.3	22.9
6H	25.4	26.1	25.9	26.6	27.3	21.7	22.5	22.3	23.0	23.7
8H	26.4	27.0	27.0	27.6	28.3	22.1	22.7	22.7	23.3	24.0
12H	27.6	28.2	28.2	28.8	29.5	22.3	22.9	22.9	23.5	24.2
12H 4H	23.5	24.3	24.1	24.9	25.5	21.2	22.0	21.8	22.5	23.2
6H	25.4	26.1	26.1	26.7	27.4	22.2	22.8	22.8	23.4	24.1
8H	26.6	27.2	27.2	27.8	28.5	22.7	23.2	23.3	23.9	24.5
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, 4871 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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:

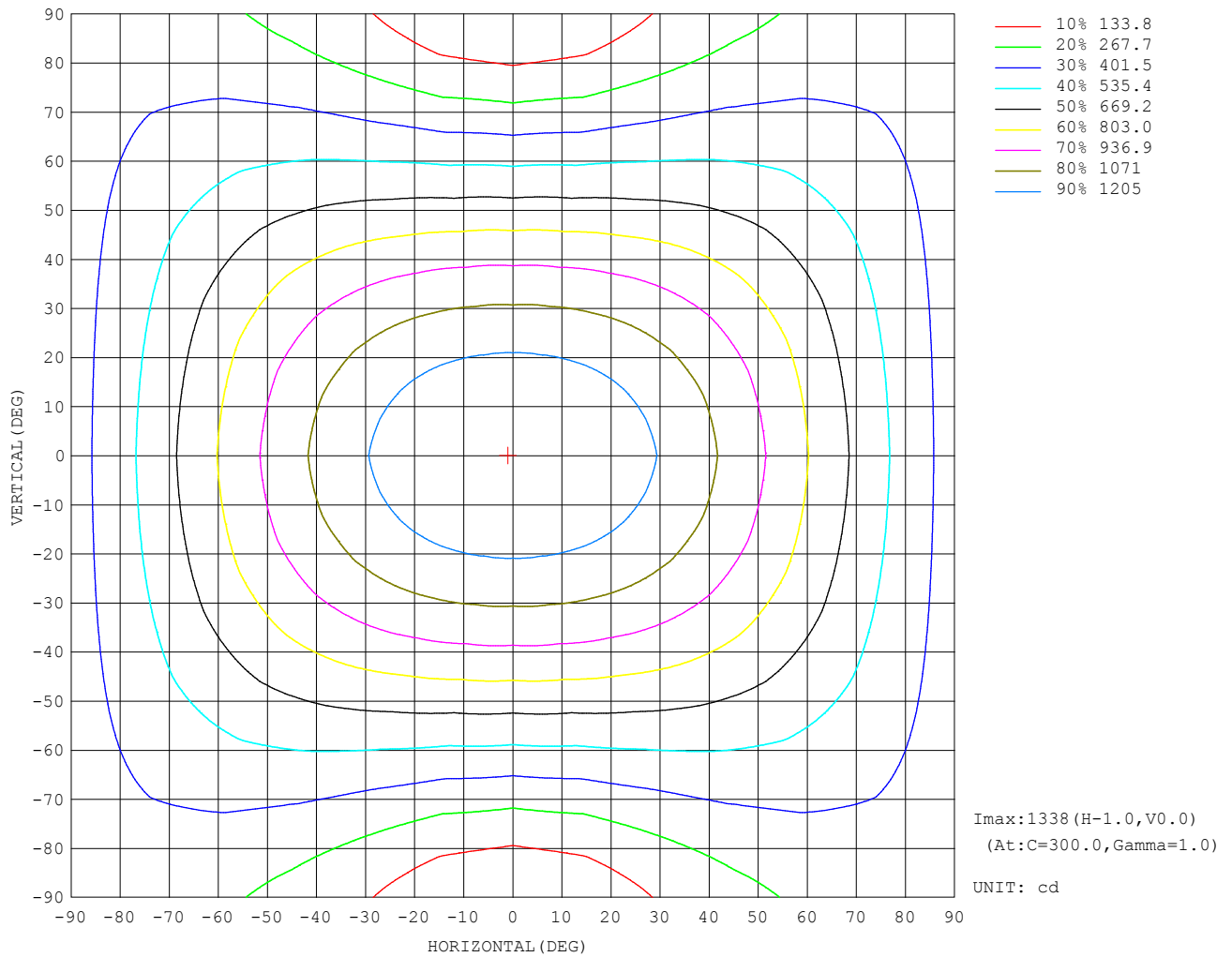
UTILIZATION FACTORS TABLE

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	52	40	32	51	39	32	49	39	32	25
0.80	61	49	41	60	48	41	58	47	40	33
1.00	69	57	49	68	56	48	65	57	48	40
1.25	76	64	56	74	63	56	71	61	54	46
1.50	81	70	62	79	68	61	75	66	59	50
2.00	88	78	70	86	76	69	81	73	67	57
2.50	92	83	76	90	81	74	84	77	72	61
3.00	96	88	81	93	85	79	88	81	76	65
4.00	101	93	87	97	91	85	91	86	82	70
5.00	103	97	92	100	94	90	94	89	85	73
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: 2021-11-25

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:

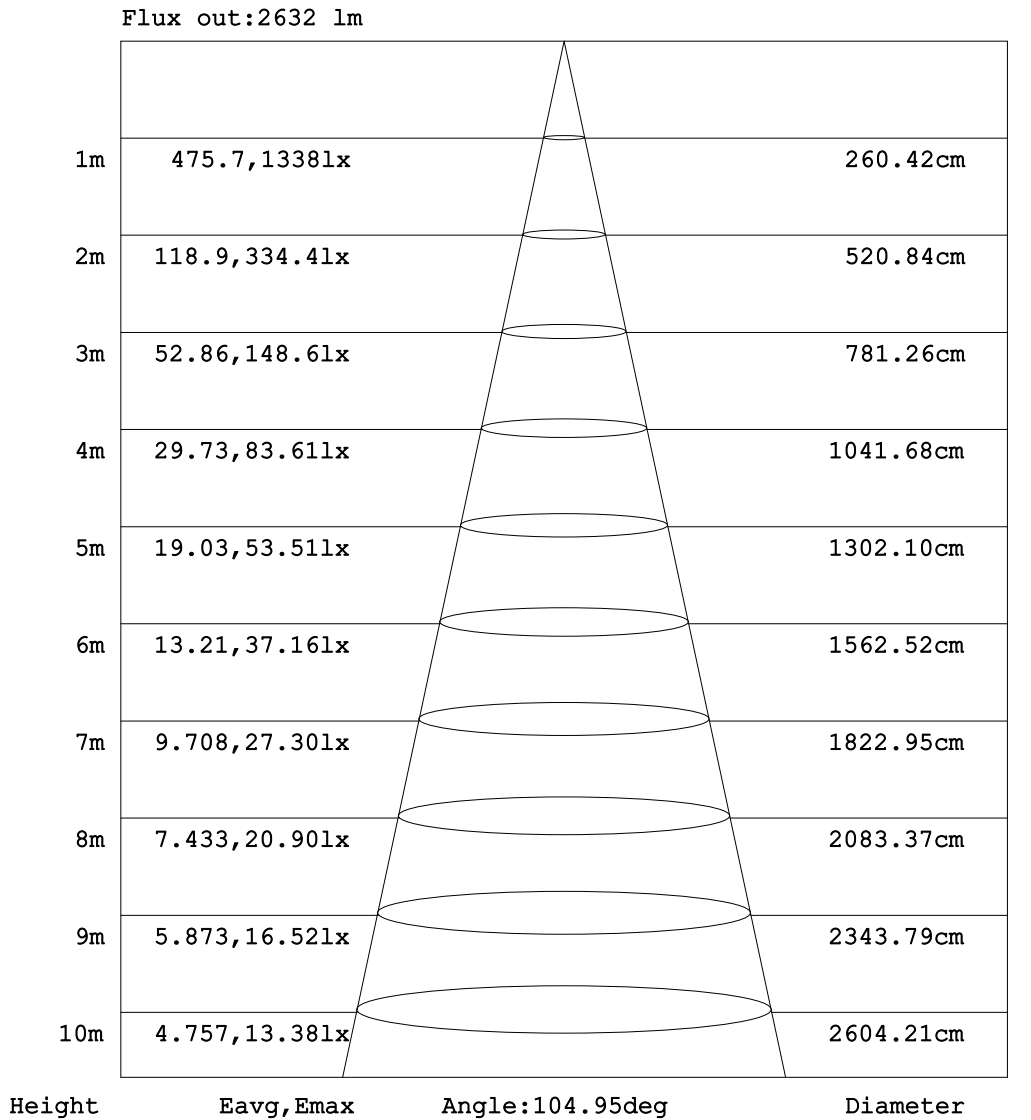
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-25

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

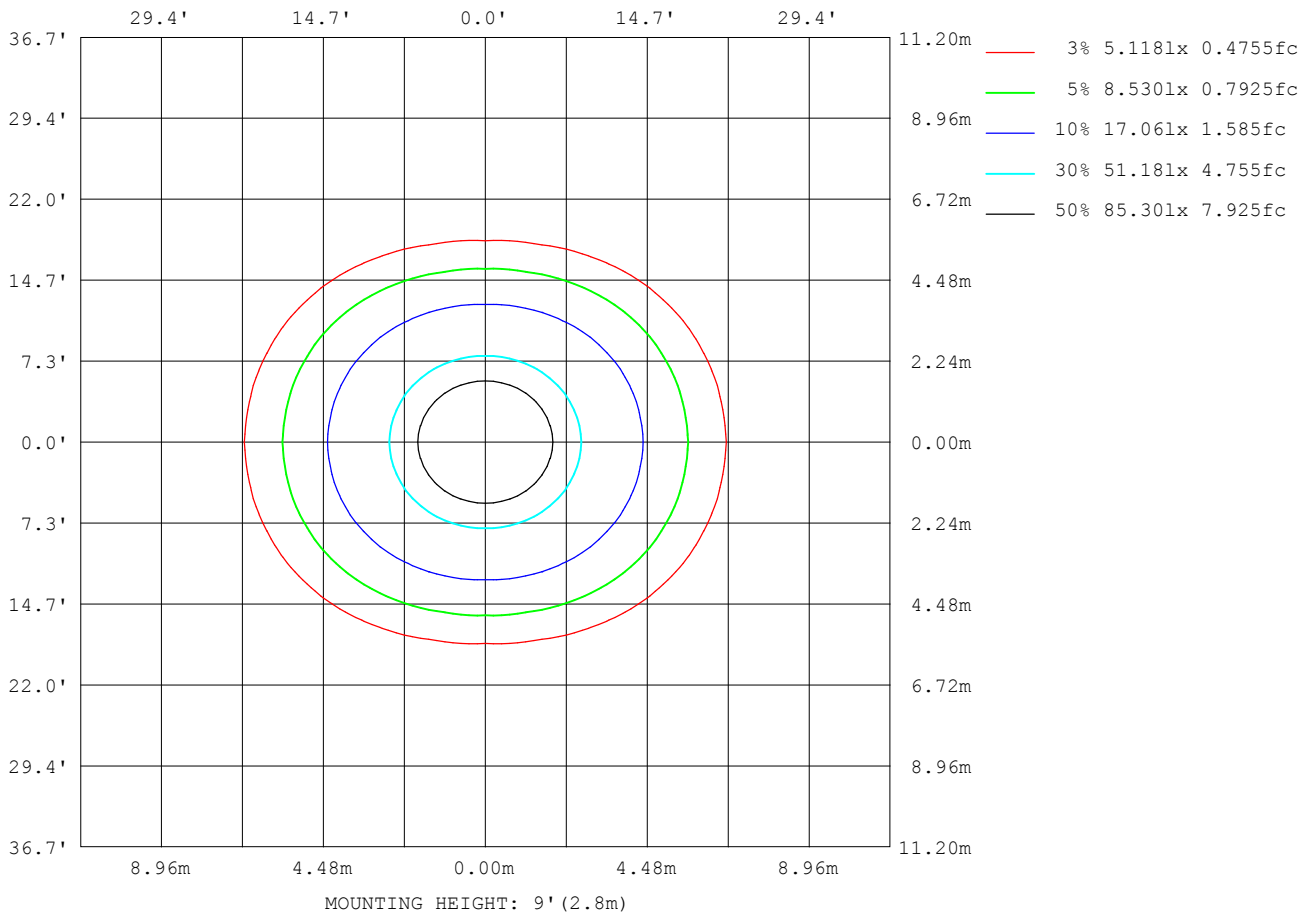


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-25

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: 2021-11-25

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:120.2V I:0.2497A P:28.93W PF:0.9636 Freq:49.99Hz Lamp Flux:4871.27x1 lm		
NAME: T66CP-CC-30-1200K-50H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

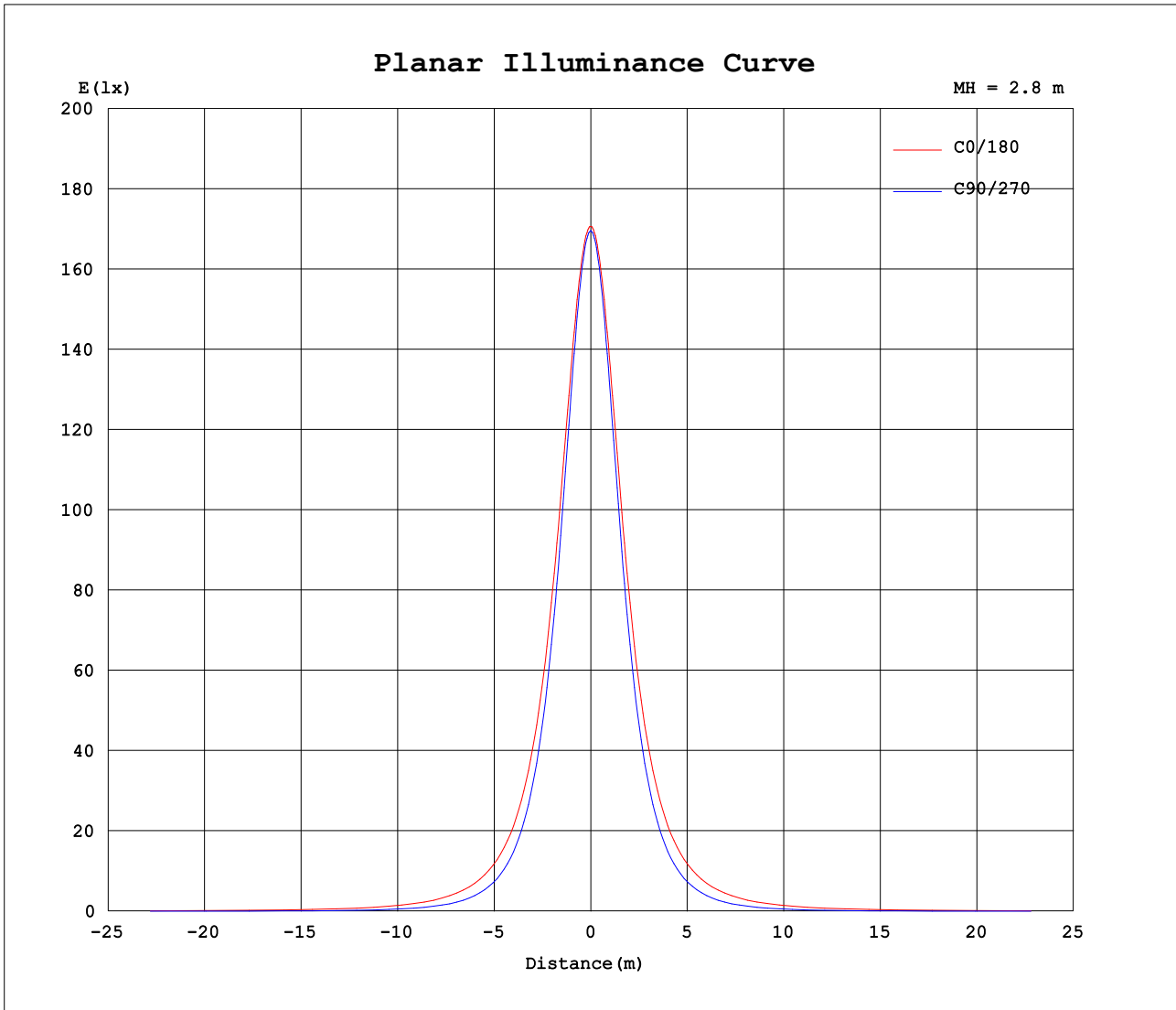
AvgL	cd/m2
L_0~180 (65) av	31951
L_0~180 (75) av	40489
L_0~180 (85) av	87819
L_90~270 (65) av	17995
L_90~270 (75) av	15135
L_90~270 (85) av	10342
L_45 (65) av	25952
L_45 (75) av	30405
L_45 (85) av	59839

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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: 2021-11-25

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	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331
5	1328	1326	1325	1325	1325	1323	1322	1323	1325	1325	1325	1326	1328	1326	1325	1325	1325	1323	1322
10	1316	1314	1311	1308	1306	1302	1301	1302	1306	1308	1311	1314	1316	1314	1311	1308	1306	1302	1301
15	1297	1294	1288	1281	1274	1267	1265	1267	1274	1281	1288	1294	1297	1294	1288	1281	1274	1267	1265
20	1270	1265	1254	1243	1231	1219	1215	1219	1231	1243	1254	1265	1270	1265	1254	1243	1231	1219	1215
25	1235	1229	1215	1195	1175	1160	1154	1160	1175	1195	1215	1229	1235	1229	1215	1195	1175	1160	1154
30	1193	1184	1165	1138	1111	1090	1082	1090	1111	1138	1165	1184	1193	1184	1165	1138	1111	1090	1082
35	1143	1133	1107	1074	1039	1012	1001	1012	1039	1074	1107	1133	1143	1133	1107	1074	1039	1012	1001
40	1086	1075	1045	1003	959	926	914	926	959	1003	1045	1075	1086	1075	1045	1003	959	926	914
45	1023	1009	974	925	874	834	819	834	874	925	974	1009	1023	1009	974	925	874	834	819
50	954	939	900	844	784	737	720	737	784	844	900	939	954	939	900	844	784	737	720
55	880	865	822	759	691	637	617	637	691	759	822	865	880	865	822	759	691	637	617
60	803	786	740	673	598	535	512	535	598	673	740	786	803	786	740	673	598	535	512
65	722	706	659	587	505	434	407	434	505	587	659	706	722	706	659	587	505	434	407
70	641	624	576	502	414	334	304	334	414	502	576	624	641	624	576	502	414	334	304
75	561	544	496	421	330	242	210	242	330	421	496	544	561	544	496	421	330	242	210
80	483	466	419	345	254	161	125	161	254	345	419	466	483	466	419	345	254	161	125
85	409	394	349	279	190	96.7	48.2	96.7	190	279	349	394	409	394	349	279	190	96.7	48.2
90	349	335	293	226	143	57.8	5.83	57.8	143	226	293	335	349	335	293	226	143	57.8	5.83
95	300	284	238	168	108	39.7	17.8	39.7	108	168	238	284	300	284	238	168	108	39.7	17.8
100	257	226	203	152	86.4	30.9	12.7	30.9	86.4	152	203	226	257	226	203	152	86.4	30.9	12.7
105	218	203	174	125	68.6	25.6	5.95	25.6	68.6	125	174	203	218	203	174	125	68.6	25.6	5.95
110	183	172	145	102	54.7	22.0	6.05	22.0	54.7	102	145	172	183	172	145	102	54.7	22.0	6.05
115	153	144	119	82.9	43.3	18.8	6.25	18.8	43.3	82.9	119	144	153	144	119	82.9	43.3	18.8	6.25
120	126	119	97.7	65.4	34.4	16.2	6.61	16.2	34.4	65.4	97.7	119	126	119	97.7	65.4	34.4	16.2	6.61
125	103	97.2	79.3	50.6	27.5	14.1	7.09	14.1	27.5	50.6	79.3	97.2	103	97.2	79.3	50.6	27.5	14.1	7.09
130	83.7	78.6	61.8	40.2	22.6	12.3	7.59	12.3	22.6	40.2	61.8	78.6	83.7	78.6	61.8	40.2	22.6	12.3	7.59
135	66.8	62.8	47.2	31.8	18.9	11.3	8.21	11.3	18.9	31.8	47.2	62.8	66.8	62.8	47.2	31.8	18.9	11.3	8.21
140	52.7	49.4	36.7	25.8	16.3	10.7	8.83	10.7	16.3	25.8	36.7	49.4	52.7	49.4	36.7	25.8	16.3	10.7	8.83
145	40.9	37.3	28.7	21.1	14.5	10.6	9.51	10.6	14.5	21.1	28.7	37.3	40.9	37.3	28.7	21.1	14.5	10.6	9.51
150	31.5	27.7	22.8	17.7	13.4	10.8	10.1	10.8	13.4	17.7	22.8	27.7	31.5	27.7	22.8	17.7	13.4	10.8	10.1
155	24.2	21.2	18.3	15.3	12.7	11.1	10.6	11.1	12.7	15.3	18.3	21.2	24.2	21.2	18.3	15.3	12.7	11.1	10.6
160	18.6	16.8	15.2	13.7	12.3	11.4	11.1	11.4	12.3	13.7	15.2	16.8	18.6	16.8	15.2	13.7	12.3	11.4	11.1
165	15.0	13.9	13.3	12.7	12.0	11.6	11.5	11.6	12.0	12.7	13.3	13.9	15.0	13.9	13.3	12.7	12.0	11.6	11.5
170	12.8	12.4	12.3	12.1	12.0	11.8	11.7	11.8	12.0	12.1	12.3	12.4	12.8	12.4	12.3	12.1	12.0	11.8	11.7
175	12.0	12.0	12.0	12.0	12.2	12.1	11.9	12.1	12.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.1	11.9
180	12.0	12.0	12.0	12.0	12.3	12.2	12.1	12.2	12.3	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.3	12.2	12.1

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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	1331	1331	1331	1331	1331															
5	1323	1325	1325	1325	1326															
10	1302	1306	1308	1311	1314															
15	1267	1274	1281	1288	1294															
20	1219	1231	1243	1254	1265															
25	1160	1175	1195	1215	1229															
30	1090	1111	1138	1165	1184															
35	1012	1039	1074	1107	1133															
40	926	959	1003	1045	1075															
45	834	874	925	974	1009															
50	737	784	844	900	939															
55	637	691	759	822	865															
60	535	598	673	740	786															
65	434	505	587	659	706															
70	334	414	502	576	624															
75	242	330	421	496	544															
80	161	254	345	419	466															
85	96.7	190	279	349	394															
90	57.8	143	226	293	335															
95	39.7	108	168	238	284															
100	30.9	86.4	152	203	226															
105	25.6	68.6	125	174	203															
110	22.0	54.7	102	145	172															
115	18.8	43.3	82.9	119	144															
120	16.2	34.4	65.4	97.7	119															
125	14.1	27.5	50.6	79.3	97.2															
130	12.3	22.6	40.2	61.8	78.6															
135	11.3	18.9	31.8	47.2	62.8															
140	10.7	16.3	25.8	36.7	49.4															
145	10.6	14.5	21.1	28.7	37.3															
150	10.8	13.4	17.7	22.8	27.7															
155	11.1	12.7	15.3	18.3	21.2															
160	11.4	12.3	13.7	15.2	16.8															
165	11.6	12.0	12.7	13.3	13.9															
170	11.8	12.0	12.1	12.3	12.4															
175	12.1	12.2	12.0	12.0	12.0															
180	12.2	12.3	12.0	12.0	12.0															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331
3.0	1330	1328	1327	1329	1329	1328	1327	1328	1329	1329
6.0	1326	1324	1324	1323	1322	1320	1320	1320	1322	1323
9.0	1319	1317	1315	1313	1311	1307	1306	1307	1311	1313
12.0	1309	1307	1303	1299	1295	1290	1288	1290	1295	1299
15.0	1297	1294	1288	1281	1274	1267	1265	1267	1274	1281
18.0	1281	1277	1269	1259	1249	1240	1236	1240	1249	1259
21.0	1263	1259	1249	1234	1220	1208	1205	1208	1220	1234
24.0	1242	1236	1223	1206	1188	1172	1167	1172	1188	1206
27.0	1219	1212	1196	1174	1151	1133	1127	1133	1151	1174
30.0	1193	1184	1165	1138	1111	1090	1082	1090	1111	1138
33.0	1164	1154	1131	1101	1069	1044	1035	1044	1069	1101
36.0	1132	1122	1096	1060	1023	995.0	984.9	995.0	1023	1060
39.0	1098	1086	1057	1017	975.9	943.2	931.2	943.2	975.9	1017
42.0	1062	1049	1017	972.0	925.5	889.7	876.6	889.7	925.5	972.0
45.0	1023	1009	974.0	925.4	874.0	833.8	818.9	833.8	874.0	925.4
48.0	982.6	968.3	930.3	877.1	820.2	776.2	760.0	776.2	820.2	877.1
51.0	939.7	924.7	884.4	827.2	765.4	717.1	699.6	717.1	765.4	827.2
54.0	895.7	879.4	837.0	776.5	709.9	657.1	637.9	657.1	709.9	776.5
57.0	849.7	833.7	789.8	725.0	653.4	596.4	575.8	596.4	653.4	725.0
60.0	802.9	786.0	740.1	673.0	597.6	535.2	512.4	535.2	597.6	673.0
63.0	754.8	738.2	691.7	621.2	541.3	474.5	449.9	474.5	541.3	621.2
66.0	706.6	689.1	641.7	569.7	486.5	413.1	385.2	413.1	486.5	569.7
69.0	657.4	640.4	592.7	519.0	432.1	353.5	323.1	353.5	432.1	519.0
72.0	608.6	591.7	544.1	469.5	379.3	296.2	264.4	296.2	379.3	469.5
75.0	560.6	543.7	495.8	421.0	329.6	242.1	209.6	242.1	329.6	421.0
78.0	513.3	496.8	450.1	374.5	282.9	191.8	158.1	191.8	282.9	374.5
81.0	467.6	451.2	404.1	331.4	240.2	146.5	107.5	146.5	240.2	331.4
84.0	423.6	408.0	362.5	291.3	201.8	107.6	60.36	107.6	201.8	291.3
87.0	383.6	368.3	324.7	256.0	168.7	77.91	27.70	77.91	168.7	256.0
90.0	349.2	334.6	292.7	226.4	142.6	57.80	5.834	57.80	142.6	226.4
93.0	318.9	304.7	264.1	199.1	112.8	44.47	13.85	44.47	112.8	199.1
96.0	291.0	272.3	222.0	169.9	103.6	37.67	18.86	37.67	103.6	169.9
99.0	264.8	235.6	207.7	157.3	90.44	32.45	17.73	32.45	90.44	157.3
102.0	240.5	214.5	191.6	140.6	78.83	28.50	6.297	28.50	78.83	140.6
105.0	217.6	202.6	173.6	125.1	68.59	25.56	5.953	25.56	68.59	125.1
108.0	196.6	184.3	155.7	110.8	59.83	23.38	5.975	23.38	59.83	110.8
111.0	176.8	166.0	139.2	97.87	52.39	21.31	6.084	21.31	52.39	97.87
114.0	158.4	149.0	124.1	86.37	45.34	19.36	6.189	19.36	45.34	86.37
117.0	141.8	133.4	110.2	75.82	39.57	17.81	6.371	17.81	39.57	75.82
120.0	126.3	118.8	97.74	65.41	34.45	16.24	6.606	16.24	34.45	65.41
123.0	112.2	105.5	86.33	55.79	30.10	14.89	6.888	14.89	30.10	55.79
126.0	99.21	93.29	75.78	48.29	26.46	13.74	7.177	13.74	26.46	48.29
129.0	87.39	82.12	65.14	42.03	23.53	12.61	7.481	12.61	23.53	42.03
132.0	76.63	71.98	55.51	36.73	21.00	11.78	7.823	11.78	21.00	36.73
135.0	66.85	62.84	47.23	31.79	18.93	11.30	8.209	11.30	18.93	31.79
138.0	58.06	54.63	40.56	28.11	17.22	10.83	8.585	10.83	17.22	28.11
141.0	50.18	47.06	35.01	24.78	15.93	10.62	8.963	10.62	15.93	24.78
144.0	43.13	39.68	30.02	21.96	14.83	10.58	9.389	10.58	14.83	21.96
147.0	36.90	33.21	26.19	19.58	13.98	10.68	9.754	10.68	13.98	19.58
150.0	31.46	27.67	22.76	17.69	13.41	10.83	10.09	10.83	13.41	17.69
153.0	26.84	23.47	19.89	16.09	12.96	11.00	10.43	11.00	12.96	16.09
156.0	22.94	20.24	17.57	14.91	12.60	11.25	10.75	11.25	12.60	14.91
159.0	19.52	17.57	15.76	14.00	12.34	11.36	11.03	11.36	12.34	14.00
162.0	17.02	15.45	14.30	13.24	12.16	11.53	11.26	11.53	12.16	13.24
165.0	15.00	13.92	13.27	12.65	12.05	11.65	11.46	11.65	12.05	12.65
168.0	13.52	12.78	12.58	12.28	12.00	11.76	11.61	11.76	12.00	12.28
171.0	12.57	12.23	12.20	12.07	12.01	11.88	11.77	11.88	12.01	12.07
174.0	12.06	12.01	12.06	12.03	12.14	12.08	11.91	12.08	12.14	12.03
177.0	11.95	11.96	11.98	12.00	12.22	12.17	11.99	12.17	12.22	12.00
180.0	12.02	12.03	12.00	12.02	12.28	12.22	12.06	12.22	12.28	12.02
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331
3.0	1327	1328	1330	1328	1327	1329	1329	1328	1327	1328
6.0	1324	1324	1326	1324	1324	1323	1322	1320	1320	1320
9.0	1315	1317	1319	1317	1315	1313	1311	1307	1306	1307
12.0	1303	1307	1309	1307	1303	1299	1295	1290	1288	1290
15.0	1288	1294	1297	1294	1288	1281	1274	1267	1265	1267
18.0	1269	1277	1281	1277	1269	1259	1249	1240	1236	1240
21.0	1249	1259	1263	1259	1249	1234	1220	1208	1205	1208
24.0	1223	1236	1242	1236	1223	1206	1188	1172	1167	1172
27.0	1196	1212	1219	1212	1196	1174	1151	1133	1127	1133
30.0	1165	1184	1193	1184	1165	1138	1111	1090	1082	1090

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-25

v Range: 0 - 180DEG
 v 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	1131	1154	1164	1154	1131	1101	1069	1044	1035	1044
36.0	1096	1122	1132	1122	1096	1060	1023	995.0	984.9	995.0
39.0	1057	1086	1098	1086	1057	1017	975.9	943.2	931.2	943.2
42.0	1017	1049	1062	1049	1017	972.0	925.5	889.7	876.6	889.7
45.0	974.0	1009	1023	1009	974.0	925.4	874.0	833.8	818.9	833.8
48.0	930.3	968.3	982.6	968.3	930.3	877.1	820.2	776.2	760.0	776.2
51.0	884.4	924.7	939.7	924.7	884.4	827.2	765.4	717.1	699.6	717.1
54.0	837.0	879.4	895.7	879.4	837.0	776.5	709.9	657.1	637.9	657.1
57.0	789.8	833.7	849.7	833.7	789.8	725.0	653.4	596.4	575.8	596.4
60.0	740.1	786.0	802.9	786.0	740.1	673.0	597.6	535.2	512.4	535.2
63.0	691.7	738.2	754.8	738.2	691.7	621.2	541.3	474.5	449.9	474.5
66.0	641.7	689.1	706.6	689.1	641.7	569.7	486.5	413.1	385.2	413.1
69.0	592.7	640.4	657.4	640.4	592.7	519.0	432.1	353.5	323.1	353.5
72.0	544.1	591.7	608.6	591.7	544.1	469.5	379.3	296.2	264.4	296.2
75.0	495.8	543.7	560.6	543.7	495.8	421.0	329.6	242.1	209.6	242.1
78.0	450.1	496.8	513.3	496.8	450.1	374.5	282.9	191.8	158.1	191.8
81.0	404.1	451.2	467.6	451.2	404.1	331.4	240.2	146.5	107.5	146.5
84.0	362.5	408.0	423.6	408.0	362.5	291.3	201.8	107.6	60.36	107.6
87.0	324.7	368.3	383.6	368.3	324.7	256.0	168.7	77.91	27.70	77.91
90.0	292.7	334.6	349.2	334.6	292.7	226.4	142.6	57.80	5.834	57.80
93.0	264.1	304.7	318.9	304.7	264.1	199.1	112.8	44.47	13.85	44.47
96.0	222.0	272.3	291.0	272.3	222.0	169.9	103.6	37.67	18.86	37.67
99.0	207.7	235.6	264.8	235.6	207.7	157.3	90.44	32.45	17.73	32.45
102.0	191.6	214.5	240.5	214.5	191.6	140.6	78.83	28.50	6.297	28.50
105.0	173.6	202.6	217.6	202.6	173.6	125.1	68.59	25.56	5.953	25.56
108.0	155.7	184.3	196.6	184.3	155.7	110.8	59.83	23.38	5.975	23.38
111.0	139.2	166.0	176.8	166.0	139.2	97.87	52.39	21.31	6.084	21.31
114.0	124.1	149.0	158.4	149.0	124.1	86.37	45.34	19.36	6.189	19.36
117.0	110.2	133.4	141.8	133.4	110.2	75.82	39.57	17.81	6.371	17.81
120.0	97.74	118.8	126.3	118.8	97.74	65.41	34.45	16.24	6.606	16.24
123.0	86.33	105.5	112.2	105.5	86.33	55.79	30.10	14.89	6.888	14.89
126.0	75.78	93.29	99.21	93.29	75.78	48.29	26.46	13.74	7.177	13.74
129.0	65.14	82.12	87.39	82.12	65.14	42.03	23.53	12.61	7.481	12.61
132.0	55.51	71.98	76.63	71.98	55.51	36.73	21.00	11.78	7.823	11.78
135.0	47.23	62.84	66.85	62.84	47.23	31.79	18.93	11.30	8.209	11.30
138.0	40.56	54.63	58.06	54.63	40.56	28.11	17.22	10.83	8.585	10.83
141.0	35.01	47.06	50.18	47.06	35.01	24.78	15.93	10.62	8.963	10.62
144.0	30.02	39.68	43.13	39.68	30.02	21.96	14.83	10.58	9.389	10.58
147.0	26.19	33.21	36.90	33.21	26.19	19.58	13.98	10.68	9.754	10.68
150.0	22.76	27.67	31.46	27.67	22.76	17.69	13.41	10.83	10.09	10.83
153.0	19.89	23.47	26.84	23.47	19.89	16.09	12.96	11.00	10.43	11.00
156.0	17.57	20.24	22.94	20.24	17.57	14.91	12.60	11.25	10.75	11.25
159.0	15.76	17.57	19.52	17.57	15.76	14.00	12.34	11.36	11.03	11.36
162.0	14.30	15.45	17.02	15.45	14.30	13.24	12.16	11.53	11.26	11.53
165.0	13.27	13.92	15.00	13.92	13.27	12.65	12.05	11.65	11.46	11.65
168.0	12.58	12.78	13.52	12.78	12.58	12.28	12.00	11.76	11.61	11.76
171.0	12.20	12.23	12.57	12.23	12.20	12.07	12.01	11.88	11.77	11.88
174.0	12.06	12.01	12.06	12.01	12.06	12.03	12.14	12.08	11.91	12.08
177.0	11.98	11.96	11.95	11.96	11.98	12.00	12.22	12.17	11.99	12.17
180.0	12.00	12.03	12.02	12.03	12.00	12.02	12.28	12.22	12.06	12.22
G/C	300.0	315.0	330.0	345.0						
0.0	1331	1331	1331	1331						
3.0	1329	1329	1327	1328						
6.0	1322	1323	1324	1324						
9.0	1311	1313	1315	1317						
12.0	1295	1299	1303	1307						
15.0	1274	1281	1288	1294						
18.0	1249	1259	1269	1277						
21.0	1220	1234	1249	1259						
24.0	1188	1206	1223	1236						
27.0	1151	1174	1196	1212						
30.0	1111	1138	1165	1184						
33.0	1069	1101	1131	1154						
36.0	1023	1060	1096	1122						
39.0	975.9	1017	1057	1086						
42.0	925.5	972.0	1017	1049						
45.0	874.0	925.4	974.0	1009						
48.0	820.2	877.1	930.3	968.3						
51.0	765.4	827.2	884.4	924.7						
54.0	709.9	776.5	837.0	879.4						
57.0	653.4	725.0	789.8	833.7						
60.0	597.6	673.0	740.1	786.0						
63.0	541.3	621.2	691.7	738.2						
66.0	486.5	569.7	641.7	689.1						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

v Range: 0 - 180DEG
 v 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	432.1	519.0	592.7	640.4
72.0	379.3	469.5	544.1	591.7
75.0	329.6	421.0	495.8	543.7
78.0	282.9	374.5	450.1	496.8
81.0	240.2	331.4	404.1	451.2
84.0	201.8	291.3	362.5	408.0
87.0	168.7	256.0	324.7	368.3
90.0	142.6	226.4	292.7	334.6
93.0	112.8	199.1	264.1	304.7
96.0	103.6	169.9	222.0	272.3
99.0	90.44	157.3	207.7	235.6
102.0	78.83	140.6	191.6	214.5
105.0	68.59	125.1	173.6	202.6
108.0	59.83	110.8	155.7	184.3
111.0	52.39	97.87	139.2	166.0
114.0	45.34	86.37	124.1	149.0
117.0	39.57	75.82	110.2	133.4
120.0	34.45	65.41	97.74	118.8
123.0	30.10	55.79	86.33	105.5
126.0	26.46	48.29	75.78	93.29
129.0	23.53	42.03	65.14	82.12
132.0	21.00	36.73	55.51	71.98
135.0	18.93	31.79	47.23	62.84
138.0	17.22	28.11	40.56	54.63
141.0	15.93	24.78	35.01	47.06
144.0	14.83	21.96	30.02	39.68
147.0	13.98	19.58	26.19	33.21
150.0	13.41	17.69	22.76	27.67
153.0	12.96	16.09	19.89	23.47
156.0	12.60	14.91	17.57	20.24
159.0	12.34	14.00	15.76	17.57
162.0	12.16	13.24	14.30	15.45
165.0	12.05	12.65	13.27	13.92
168.0	12.00	12.28	12.58	12.78
171.0	12.01	12.07	12.20	12.23
174.0	12.14	12.03	12.06	12.01
177.0	12.22	12.00	11.98	11.96
180.0	12.28	12.02	12.00	12.03

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-25

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: