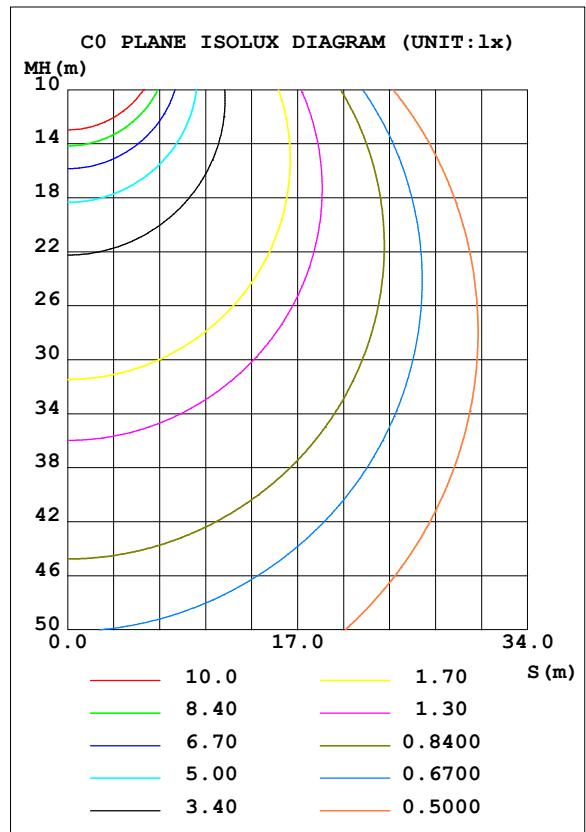
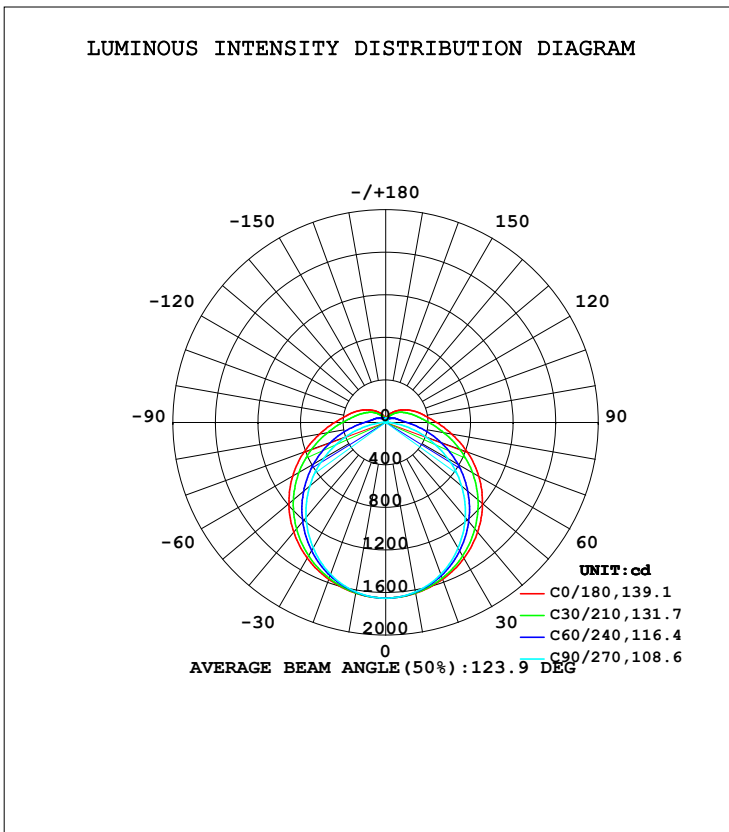


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.5V I:0.1750A P:38.83W PF:0.9626 Freq:49.99Hz Lamp Flux:6480.34x1 lm		
NAME: TB33-39-1200K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.89 lm/W			
MODEL		I _{max} (cd)	1652	S/MH (C0/180)	1.33
NOMINAL POWER (W)	39	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	6480.3	η UP, DN (C0-180)	6.9, 43.1
NOMINAL FLUX (lm)	6480.34	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.9, 43.1
LAMPS INSIDE	1	η up (%)	13.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	230	η down (%)	86.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-22

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	1631	1625	1618	1625	1631	1625	1618	1625	0- 10	156.4	156.4	2.41,2.41
20	1569	1547	1519	1547	1569	1547	1519	1547	10- 20	449.2	605.6	9.35,9.35
30	1474	1423	1364	1423	1474	1423	1364	1423	20- 30	686.4	1292	19.9,19.9
40	1346	1263	1166	1263	1346	1263	1166	1263	30- 40	841.6	2134	32.9,32.9
50	1189	1076	933.8	1076	1189	1076	933.8	1076	40- 50	901.2	3035	46.8,46.8
60	1010	870.1	673.6	870.1	1010	870.1	673.6	870.1	50- 60	863.8	3899	60.2,60.2
70	817.5	658.3	405.6	658.3	817.5	658.3	405.6	658.3	60- 70	741.4	4640	71.6,71.6
80	629.4	464.8	154.9	464.8	629.4	464.8	154.9	464.8	70- 80	564.3	5204	80.3,80.3
90	480.2	319.9	6.651	319.9	480.2	319.9	6.651	319.9	80- 90	385.9	5590	86.3,86.3
100	375.5	232.9	8.884	232.9	375.5	232.9	8.884	232.9	90-100	270.4	5861	90.4,90.4
110	302.5	180.7	11.44	180.7	302.5	180.7	11.44	180.7	100-110	202.7	6063	93.6,93.6
120	237.7	142.7	15.20	142.7	237.7	142.7	15.20	142.7	110-120	151.4	6215	95.9,95.9
130	182.8	103.9	19.26	103.9	182.8	103.9	19.26	103.9	120-130	107.5	6322	97.6,97.6
140	137.7	77.55	23.06	77.55	137.7	77.55	23.06	77.55	130-140	71.76	6394	98.7,98.7
150	100.0	58.21	28.14	58.21	100.0	58.21	28.14	58.21	140-150	44.59	6438	99.4,99.4
160	69.51	48.02	33.89	48.02	69.51	48.02	33.89	48.02	150-160	25.45	6464	99.7,99.7
170	43.19	42.40	38.27	42.40	43.19	42.40	38.27	42.40	160-170	12.72	6477	99.9,99.9
180	27.36	39.02	40.91	39.02	27.36	39.02	40.91	39.02	170-180	3.692	6480	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2582.9 lm

%lum = 39.9%
%lamp = 39.9%

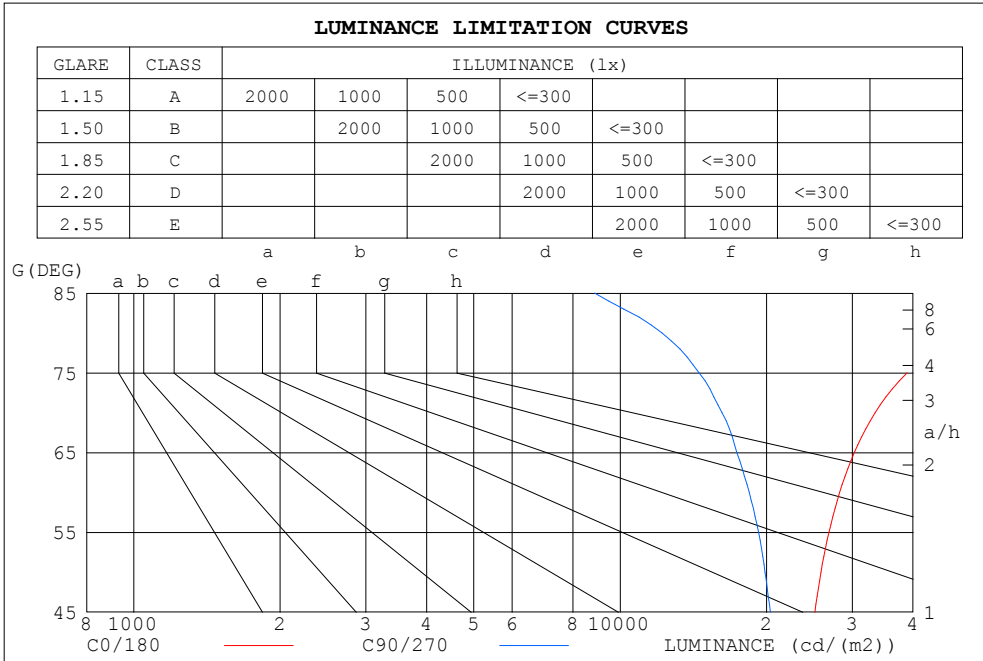
Conical surface Flux(120deg): 3898.6 lm

%lum = 60.2%
%lamp = 60.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-11-22

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



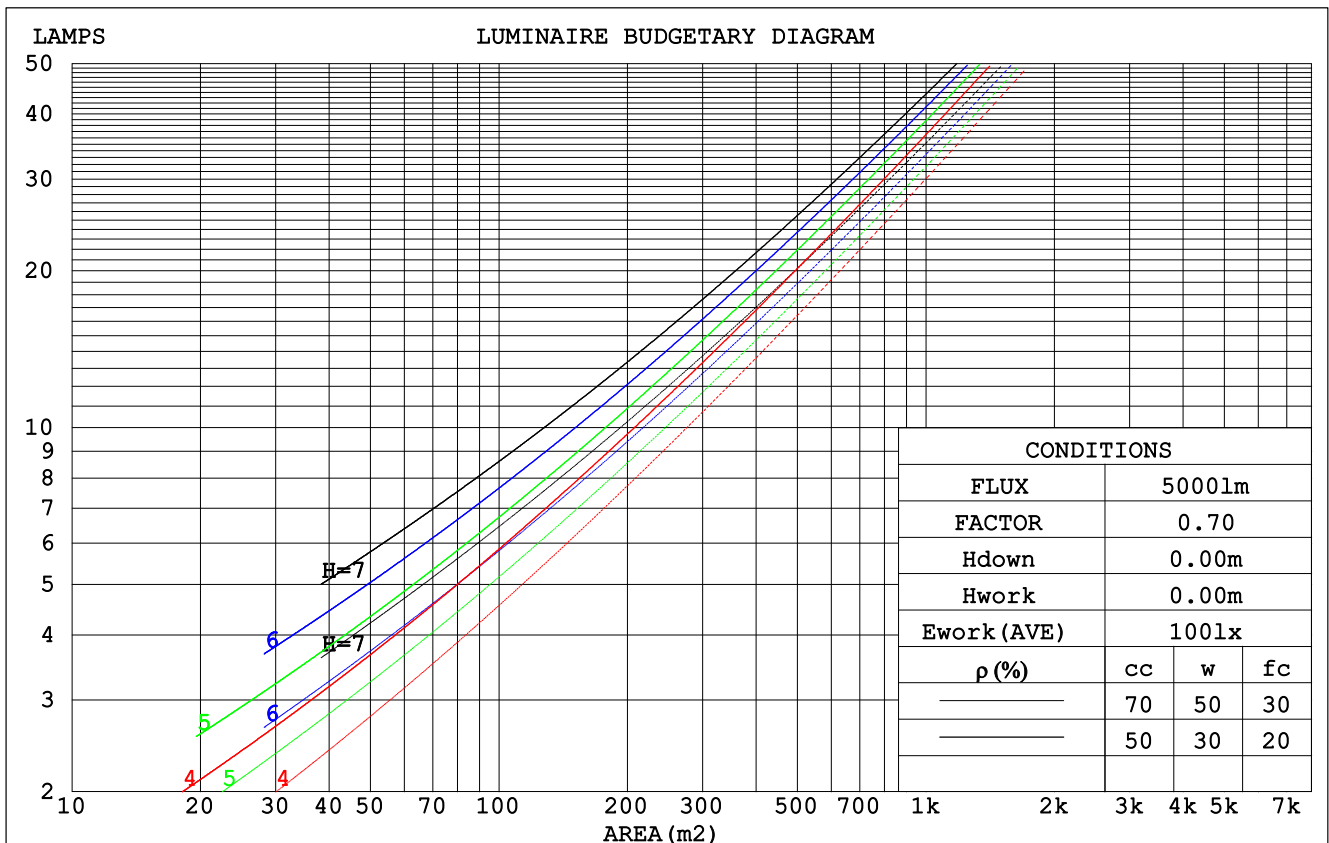
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	88207	8870
80	50700	12198
75	38907	14531
70	33434	16211
65	30291	17374
60	28266	18417
55	26869	19258
50	25870	19860
45	25131	20359

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-22

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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.98	.93	.88	.94	.90	.85	.87	.84	.80	.81	.78	.75	.75	.73	.71	.68
2.0	.84	.77	.70	.81	.74	.68	.75	.69	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.64	.57	.71	.62	.56	.66	.59	.53	.61	.55	.51	.57	.52	.48	.45
4.0	.64	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38
5.0	.57	.48	.41	.55	.47	.40	.52	.44	.38	.48	.42	.37	.45	.40	.35	.33
6.0	.51	.42	.36	.50	.41	.35	.46	.39	.33	.43	.37	.32	.41	.35	.31	.28
7.0	.46	.37	.31	.45	.37	.31	.42	.35	.29	.40	.33	.28	.37	.31	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.39	.30	.25	.38	.30	.24	.35	.28	.23	.33	.27	.23	.31	.26	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.20	.29	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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	.364	.207	.066	.352	.201	.064	.331	.190	.061	.311	.180	.058	.293	.170	.055	
2.0	.321	.176	.054	.311	.171	.053	.292	.162	.050	.274	.154	.048	.258	.146	.046	
3.0	.288	.153	.046	.279	.149	.045	.262	.142	.043	.246	.135	.041	.231	.128	.040	
4.0	.261	.136	.040	.253	.132	.039	.237	.126	.038	.223	.120	.036	.209	.114	.035	
5.0	.238	.121	.035	.231	.119	.035	.217	.113	.033	.204	.107	.032	.191	.102	.031	
6.0	.219	.110	.031	.212	.107	.031	.200	.102	.030	.188	.097	.029	.176	.093	.028	
7.0	.203	.100	.028	.196	.098	.028	.185	.093	.027	.174	.089	.026	.163	.085	.025	
8.0	.188	.092	.026	.183	.090	.025	.172	.086	.025	.162	.082	.024	.152	.078	.023	
9.0	.176	.085	.024	.171	.083	.023	.161	.079	.023	.151	.076	.022	.143	.072	.021	
10.0	.165	.079	.022	.160	.077	.022	.151	.074	.021	.142	.071	.020	.134	.068	.019	

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	.295	.295	.295	.252	.252	.252	.172	.172	.172	.099	.099	.099	.032	.032	.032	
1.0	.290	.261	.236	.248	.224	.203	.169	.154	.140	.098	.089	.082	.031	.029	.026	
2.0	.282	.238	.201	.242	.205	.173	.166	.142	.121	.096	.082	.071	.031	.027	.023	
3.0	.275	.221	.179	.236	.191	.155	.162	.133	.109	.093	.077	.064	.030	.025	.021	
4.0	.267	.209	.164	.229	.180	.142	.158	.126	.100	.091	.074	.059	.029	.024	.019	
5.0	.259	.199	.154	.223	.172	.134	.153	.120	.094	.089	.070	.056	.029	.023	.018	
6.0	.252	.191	.146	.217	.165	.127	.149	.115	.090	.087	.068	.054	.028	.022	.018	
7.0	.245	.184	.141	.211	.159	.123	.146	.112	.087	.085	.066	.052	.027	.022	.017	
8.0	.238	.178	.137	.205	.155	.119	.142	.109	.085	.083	.064	.050	.027	.021	.017	
9.0	.232	.173	.134	.200	.150	.117	.139	.106	.083	.081	.062	.049	.026	.021	.016	
10.0	.226	.169	.131	.195	.147	.114	.135	.103	.081	.079	.061	.049	.026	.020	.016	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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

UGR(Unified Glare Rating) Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.3	18.7	17.7	19.1	19.6	15.5	16.9	16.0	17.4	17.8
3H	19.6	20.9	20.1	21.4	21.9	16.9	18.2	17.4	18.7	19.2
4H	20.9	22.1	21.4	22.6	23.2	17.5	18.7	18.0	19.2	19.8
6H	22.3	23.4	22.8	23.9	24.5	17.9	19.0	18.4	19.5	20.1
8H	23.0	24.1	23.6	24.7	25.2	18.0	19.1	18.5	19.6	20.2
12H	23.9	25.0	24.4	25.5	26.1	18.0	19.1	18.5	19.6	20.2
4H 2H	17.8	19.0	18.3	19.5	20.1	16.5	17.7	17.0	18.2	18.8
3H	20.4	21.5	20.9	22.0	22.6	18.2	19.3	18.7	19.8	20.4
4H	21.9	22.8	22.4	23.4	24.0	18.9	19.9	19.5	20.4	21.1
6H	23.4	24.3	24.0	24.9	25.6	19.4	20.3	20.0	20.9	21.5
8H	24.3	25.2	24.9	25.8	26.4	19.6	20.4	20.2	21.0	21.7
12H	25.3	26.1	26.0	26.7	27.4	19.7	20.4	20.3	21.0	21.7
8H 4H	22.2	23.0	22.8	23.6	24.2	19.7	20.6	20.3	21.1	21.8
6H	24.0	24.7	24.7	25.4	26.1	20.6	21.3	21.2	21.9	22.6
8H	25.1	25.7	25.8	26.4	27.1	20.9	21.5	21.6	22.2	22.9
12H	26.4	26.9	27.1	27.6	28.4	21.2	21.7	21.8	22.4	23.1
12H 4H	22.2	22.9	22.8	23.5	24.2	20.0	20.7	20.6	21.4	22.0
6H	24.1	24.8	24.8	25.4	26.1	21.0	21.7	21.7	22.3	23.0
8H	25.3	25.9	26.0	26.5	27.3	21.5	22.1	22.2	22.7	23.5
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					+ 0.2 / - 0.4				

CIE Pub.117, 6480 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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:

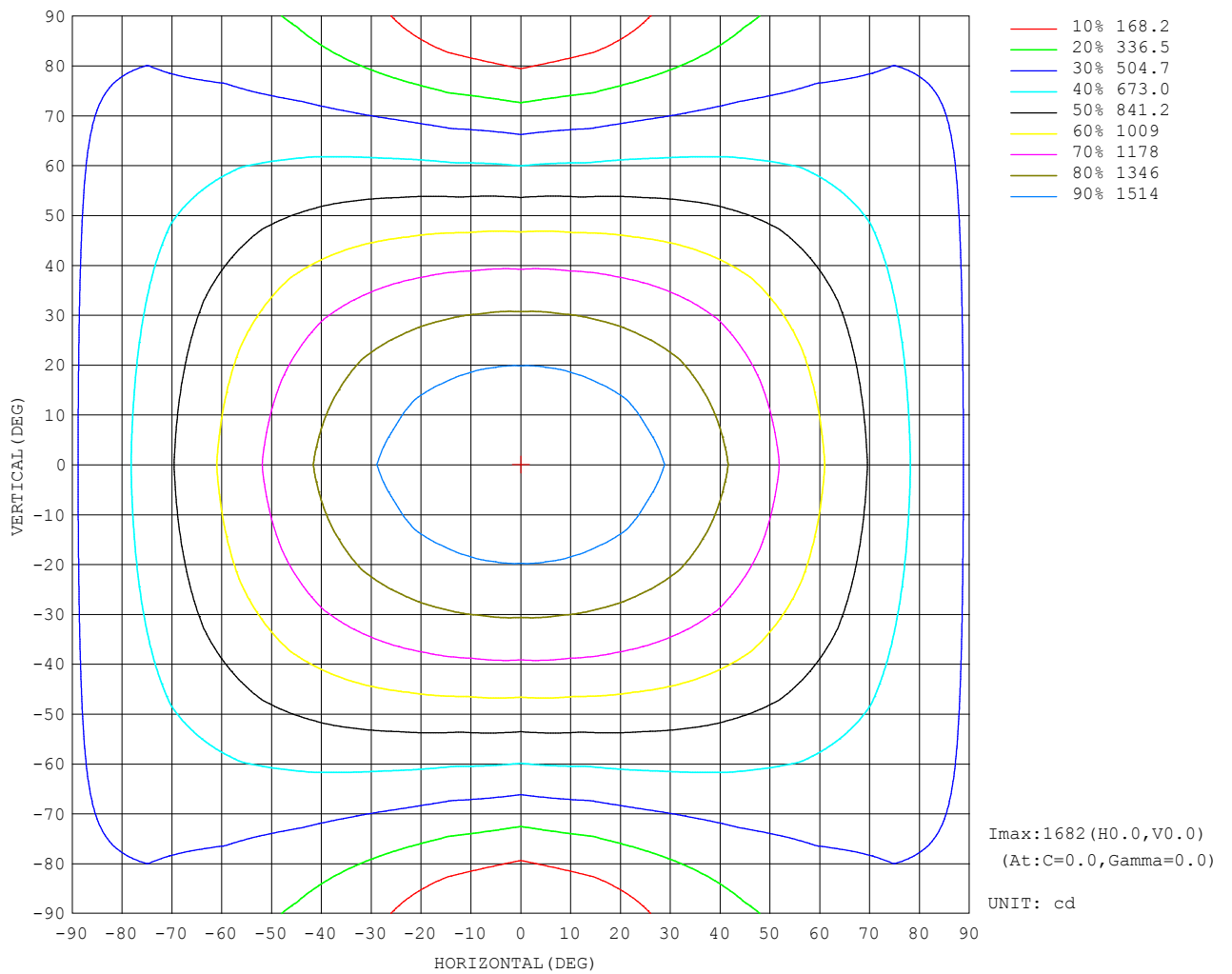
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	48	37	30	24
0.80	60	47	39	58	46	39	56	45	38	31
1.00	68	55	47	66	54	47	63	55	46	37
1.25	75	63	54	72	61	54	69	59	52	43
1.50	80	68	60	77	67	59	73	64	57	47
2.00	87	76	69	84	75	67	79	71	65	54
2.50	91	82	74	88	79	73	82	75	70	58
3.00	95	86	79	92	84	77	85	79	74	62
4.00	99	92	86	96	89	84	89	84	79	66
5.00	102	96	90	98	93	88	92	87	83	69
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: 2021-11-22

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:

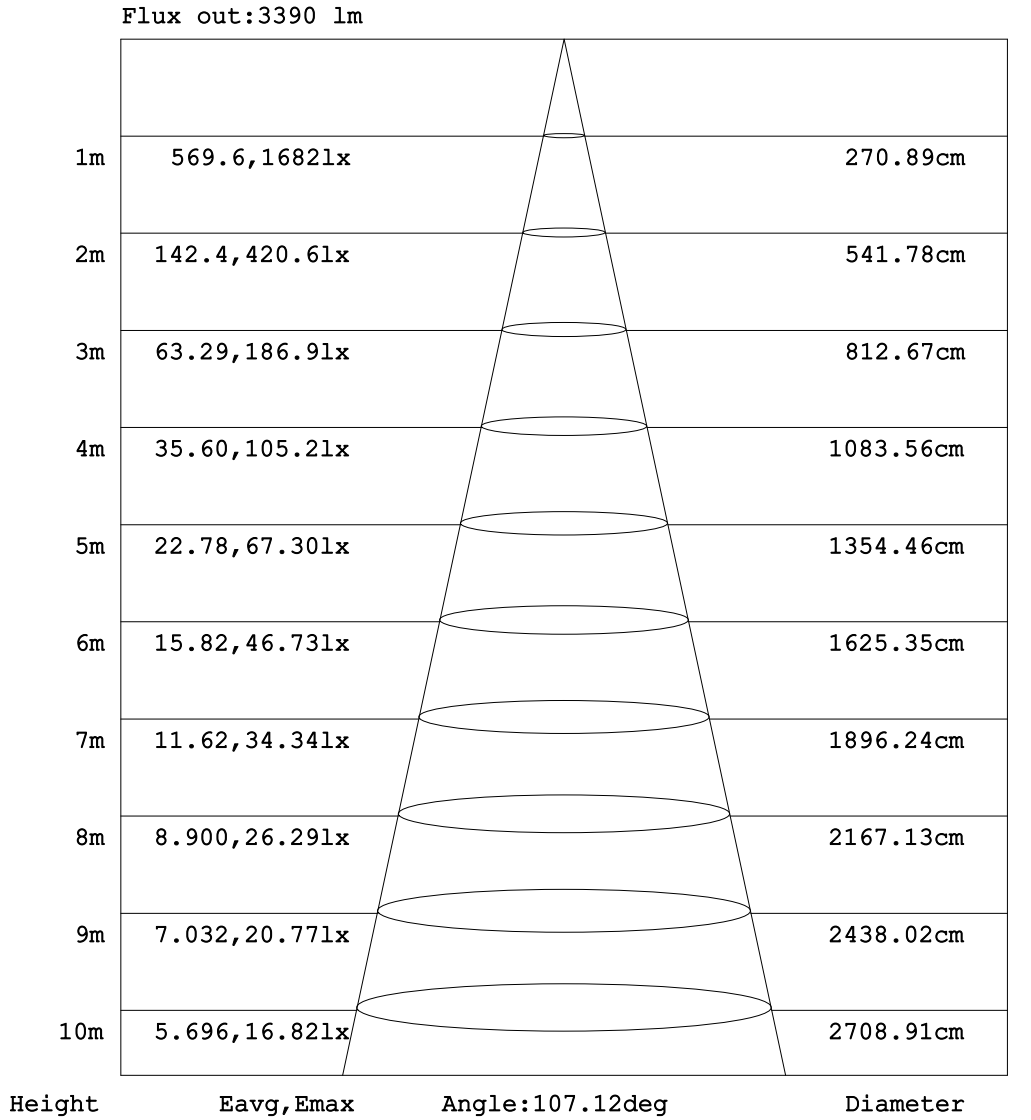
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-22

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

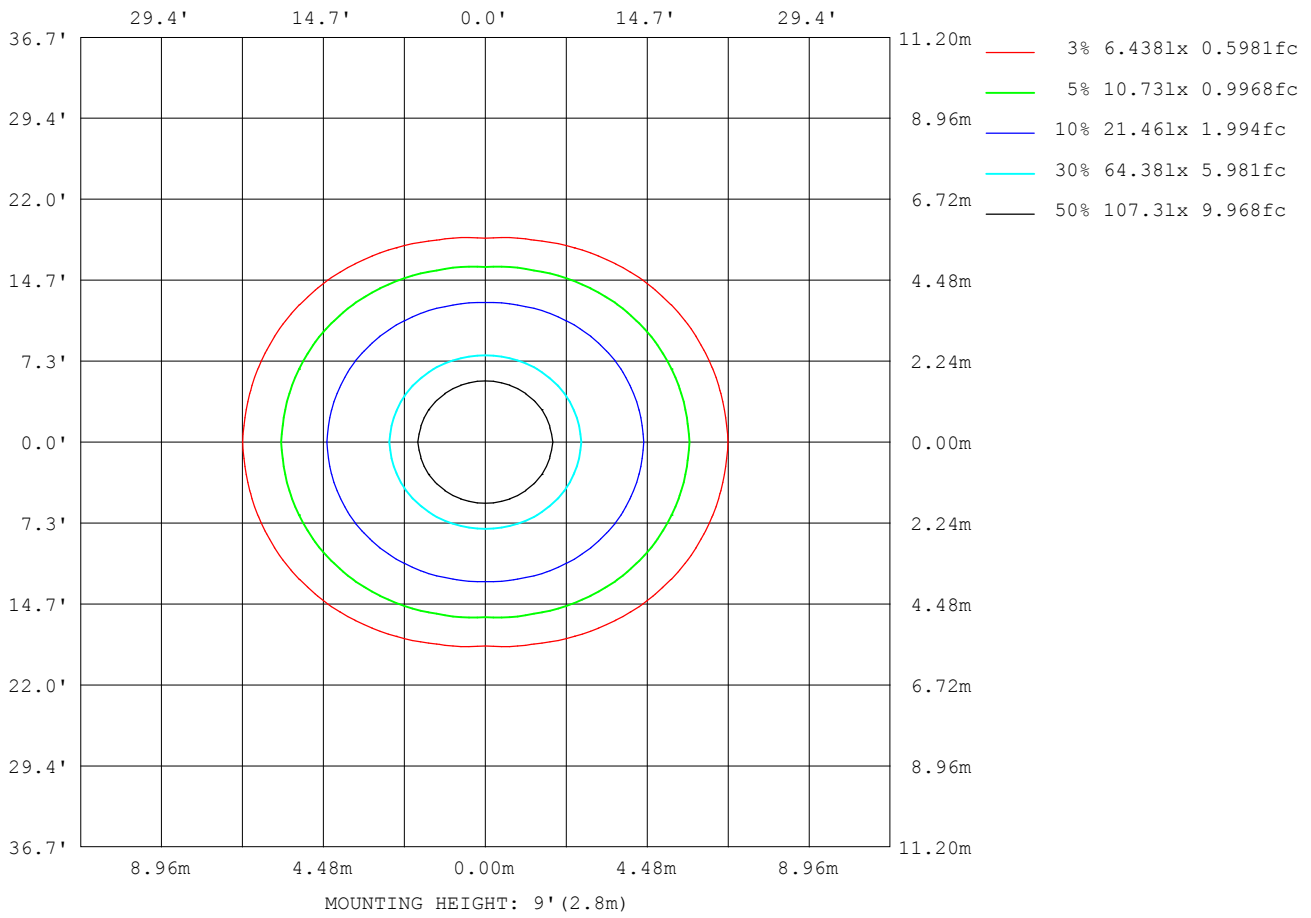


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-22

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: 2021-11-22

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

LED Avg.L Report

Test:U:230.5V I:0.1750A P:38.83W PF:0.9626 Freq:49.99Hz Lamp Flux:6480.34x1 lm		
NAME: TB33-39-1200K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

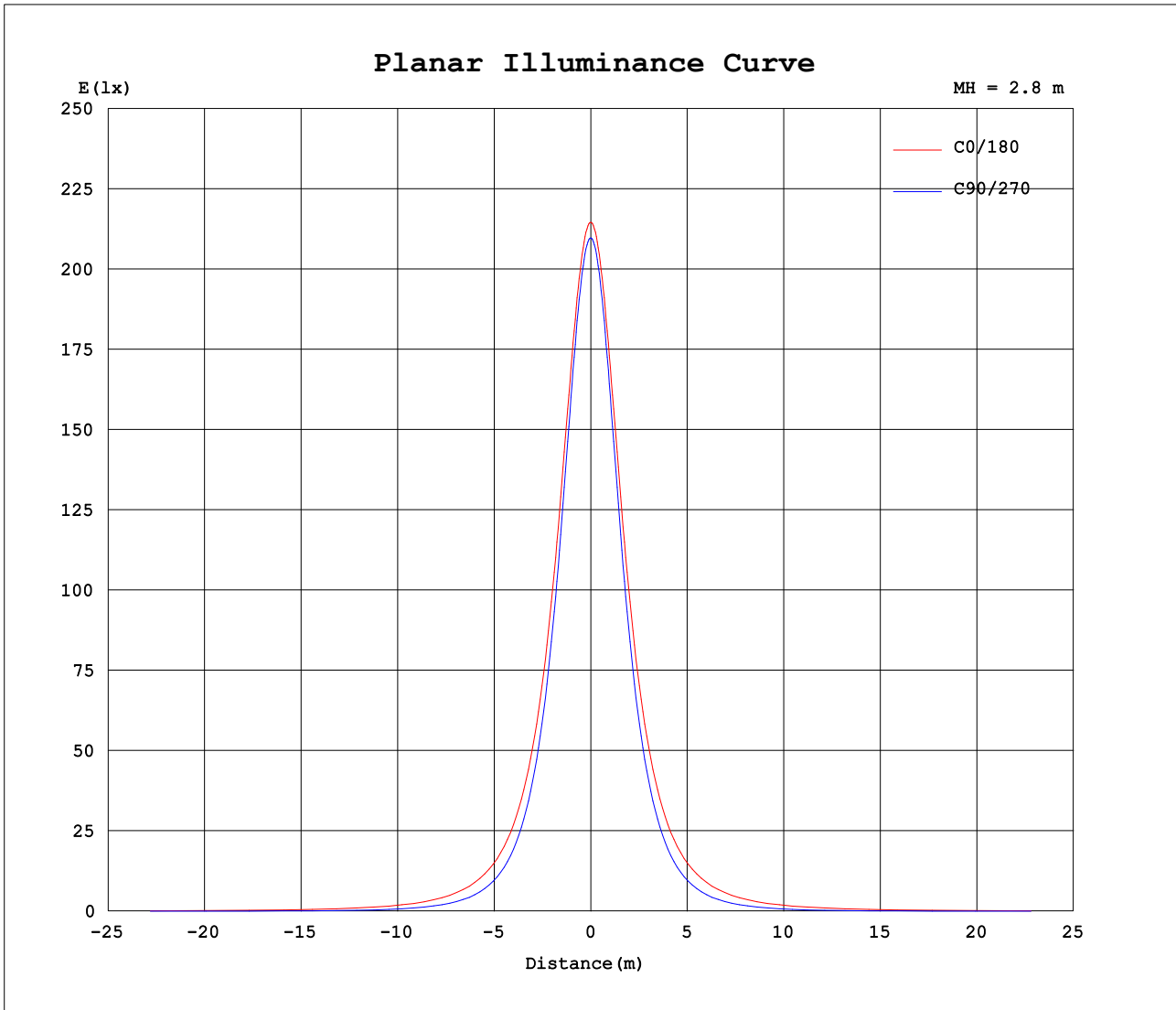
AvgL	cd/m2
L_0~180 (65) av	29746
L_0~180 (75) av	38206
L_0~180 (85) av	86617
L_90~270 (65) av	17457
L_90~270 (75) av	14601
L_90~270 (85) av	8913
L_45 (65) av	24829
L_45 (75) av	29569
L_45 (85) av	60613

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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: 2021-11-22

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	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652
5	1647	1647	1646	1645	1644	1644	1644	1644	1644	1645	1646	1647	1647	1647	1646	1645	1644	1644	1644
10	1631	1630	1628	1625	1621	1619	1618	1619	1621	1625	1628	1630	1631	1630	1628	1625	1621	1619	1618
15	1604	1604	1598	1592	1584	1578	1576	1578	1584	1592	1598	1604	1604	1604	1598	1592	1584	1578	1576
20	1569	1568	1558	1547	1532	1522	1519	1522	1532	1547	1558	1568	1569	1568	1558	1547	1532	1522	1519
25	1526	1523	1508	1490	1469	1453	1448	1453	1469	1490	1508	1523	1526	1523	1508	1490	1469	1453	1448
30	1474	1469	1449	1423	1394	1372	1364	1372	1394	1423	1449	1469	1474	1469	1449	1423	1394	1372	1364
35	1414	1407	1381	1347	1309	1280	1270	1280	1309	1347	1381	1407	1414	1407	1381	1347	1309	1280	1270
40	1346	1337	1305	1263	1216	1179	1166	1179	1216	1263	1305	1337	1346	1337	1305	1263	1216	1179	1166
45	1270	1260	1223	1172	1115	1070	1053	1070	1115	1172	1223	1260	1270	1260	1223	1172	1115	1070	1053
50	1189	1177	1134	1076	1009	955	934	955	1009	1076	1134	1177	1189	1177	1134	1076	1009	955	934
55	1102	1088	1040	975	899	835	808	835	899	975	1040	1088	1102	1088	1040	975	899	835	808
60	1010	995	943	870	785	710	674	710	785	870	943	995	1010	995	943	870	785	710	674
65	915	898	843	764	670	584	537	584	670	764	843	898	915	898	843	764	670	584	537
70	817	801	743	658	557	459	406	459	557	658	743	801	817	801	743	658	557	459	406
75	720	707	645	557	447	340	275	340	447	557	645	707	720	707	645	557	447	340	275
80	629	618	555	465	346	227	155	227	346	465	555	618	629	618	555	465	346	227	155
85	550	538	475	385	261	134	56.6	134	261	385	475	538	550	538	475	385	261	134	56.6
90	480	469	407	320	201	78.5	6.65	78.5	201	320	407	469	480	469	407	320	201	78.5	6.65
95	422	411	354	271	162	58.4	9.67	58.4	162	271	354	411	422	411	354	271	162	58.4	9.67
100	376	364	311	233	137	48.5	8.88	48.5	137	233	311	364	376	364	311	233	137	48.5	8.88
105	338	324	276	204	120	44.3	9.59	44.3	120	204	276	324	338	324	276	204	120	44.3	9.59
110	302	289	244	181	106	41.8	11.4	41.8	106	181	244	289	302	289	244	181	106	41.8	11.4
115	269	256	217	161	95.4	39.0	13.3	39.0	95.4	161	217	256	269	256	217	161	95.4	39.0	13.3
120	238	228	192	143	83.0	36.4	15.2	36.4	83.0	143	192	228	238	228	192	143	83.0	36.4	15.2
125	209	200	170	122	73.5	34.8	17.3	34.8	73.5	122	170	200	209	200	170	122	73.5	34.8	17.3
130	183	176	148	104	64.8	33.9	19.3	33.9	64.8	104	148	176	183	176	148	104	64.8	33.9	19.3
135	159	153	126	90.1	58.2	34.0	21.2	34.0	58.2	90.1	126	153	159	153	126	90.1	58.2	34.0	21.2
140	138	132	104	77.5	52.5	33.9	23.1	33.9	52.5	77.5	104	132	138	132	104	77.5	52.5	33.9	23.1
145	118	114	87.3	67.4	47.5	33.9	25.2	33.9	47.5	67.4	87.3	114	118	114	87.3	67.4	47.5	33.9	25.2
150	100	93.9	73.1	58.2	44.5	35.0	28.1	35.0	44.5	58.2	73.1	93.9	100	93.9	73.1	58.2	44.5	35.0	28.1
155	83.9	74.0	62.0	50.6	44.5	36.5	31.1	36.5	44.5	50.6	62.0	74.0	83.9	74.0	62.0	50.6	44.5	36.5	31.1
160	69.5	58.6	51.6	48.0	43.4	37.9	33.9	37.9	43.4	48.0	51.6	58.6	69.5	58.6	51.6	48.0	43.4	37.9	33.9
165	55.9	48.6	44.5	45.3	42.5	39.2	36.3	39.2	42.5	45.3	44.5	48.6	55.9	48.6	44.5	45.3	42.5	39.2	36.3
170	43.2	39.0	39.6	42.4	41.8	39.9	38.3	39.9	41.8	42.4	39.6	39.0	43.2	39.0	39.6	42.4	41.8	39.9	38.3
175	30.7	33.1	37.4	40.8	40.9	40.0	39.9	40.0	40.9	40.8	37.4	33.1	30.7	33.1	37.4	40.8	40.9	40.0	39.9
180	27.4	31.8	36.2	39.0	39.9	40.8	40.9	40.8	39.9	39.0	36.2	31.8	27.4	31.8	36.2	39.0	39.9	40.8	40.9

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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	1652	1652	1652	1652	1652															
5	1644	1644	1645	1646	1647															
10	1619	1621	1625	1628	1630															
15	1578	1584	1592	1598	1604															
20	1522	1532	1547	1558	1568															
25	1453	1469	1490	1508	1523															
30	1372	1394	1423	1449	1469															
35	1280	1309	1347	1381	1407															
40	1179	1216	1263	1305	1337															
45	1070	1115	1172	1223	1260															
50	955	1009	1076	1134	1177															
55	835	899	975	1040	1088															
60	710	785	870	943	995															
65	584	670	764	843	898															
70	459	557	658	743	801															
75	340	447	557	645	707															
80	227	346	465	555	618															
85	134	261	385	475	538															
90	78.5	201	320	407	469															
95	58.4	162	271	354	411															
100	48.5	137	233	311	364															
105	44.3	120	204	276	324															
110	41.8	106	181	244	289															
115	39.0	95.4	161	217	256															
120	36.4	83.0	143	192	228															
125	34.8	73.5	122	170	200															
130	33.9	64.8	104	148	176															
135	34.0	58.2	90.1	126	153															
140	33.9	52.5	77.5	104	132															
145	33.9	47.5	67.4	87.3	114															
150	35.0	44.5	58.2	73.1	93.9															
155	36.5	44.5	50.6	62.0	74.0															
160	37.9	43.4	48.0	51.6	58.6															
165	39.2	42.5	45.3	44.5	48.6															
170	39.9	41.8	42.4	39.6	39.0															
175	40.0	40.9	40.8	37.4	33.1															
180	40.8	39.9	39.0	36.2	31.8															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652
3.0	1650	1650	1650	1650	1649	1649	1649	1649	1649	1650
6.0	1644	1644	1643	1642	1641	1640	1640	1640	1641	1642
9.0	1635	1635	1633	1630	1627	1625	1625	1625	1627	1630
12.0	1621	1621	1618	1613	1608	1604	1603	1604	1608	1613
15.0	1604	1604	1598	1592	1584	1578	1576	1578	1584	1592
18.0	1584	1583	1576	1566	1555	1546	1544	1546	1555	1566
21.0	1561	1560	1549	1536	1521	1510	1506	1510	1521	1536
24.0	1536	1533	1519	1502	1483	1468	1463	1468	1483	1502
27.0	1506	1502	1485	1464	1440	1422	1416	1422	1440	1464
30.0	1474	1469	1449	1423	1394	1372	1364	1372	1394	1423
33.0	1439	1433	1409	1378	1344	1318	1309	1318	1344	1378
36.0	1401	1394	1366	1330	1291	1261	1249	1261	1291	1330
39.0	1360	1352	1321	1280	1235	1200	1187	1200	1235	1280
42.0	1316	1307	1273	1227	1176	1137	1122	1137	1176	1227
45.0	1270	1260	1223	1172	1115	1070	1053	1070	1115	1172
48.0	1222	1211	1170	1115	1052	1002	982.2	1002	1052	1115
51.0	1172	1159	1116	1056	987.3	931.6	909.3	931.6	987.3	1056
54.0	1120	1106	1059	995.2	921.0	859.4	834.3	859.4	921.0	995.2
57.0	1066	1051	1002	933.2	853.4	785.3	755.0	785.3	853.4	933.2
60.0	1010	994.6	942.8	870.1	785.0	710.1	673.6	710.1	785.0	870.1
63.0	953.7	937.2	883.1	806.6	716.1	634.2	591.9	634.2	716.1	806.6
66.0	895.8	879.1	822.9	742.6	646.9	558.4	511.7	558.4	646.9	742.6
69.0	837.0	820.8	762.6	679.2	579.3	484.2	433.2	484.2	579.3	679.2
72.0	777.9	763.1	703.2	617.0	512.0	412.1	352.0	412.1	512.0	617.0
75.0	719.9	706.8	645.4	557.1	447.1	339.8	275.1	339.8	447.1	557.1
78.0	664.3	652.5	589.9	500.2	385.1	269.1	201.9	269.1	385.1	500.2
81.0	612.5	601.3	537.7	447.7	327.2	206.8	132.6	206.8	327.2	447.7
84.0	564.8	553.2	489.9	399.5	276.6	150.7	72.50	276.6	399.5	489.9
87.0	520.6	508.8	446.2	356.5	234.0	106.2	31.71	106.2	234.0	356.5
90.0	480.2	469.1	407.4	319.9	201.4	78.47	6.651	78.47	201.4	319.9
93.0	443.9	432.7	373.8	289.1	176.0	64.22	7.451	64.22	176.0	289.1
96.0	410.9	400.7	344.1	262.4	156.5	56.16	9.996	56.16	156.5	262.4
99.0	383.7	372.5	318.5	239.7	141.5	50.08	9.751	50.08	141.5	239.7
102.0	360.1	347.3	296.0	220.7	129.5	46.75	8.866	46.75	129.5	220.7
105.0	338.0	324.0	275.5	203.9	119.7	44.33	9.593	44.33	119.7	203.9
108.0	316.5	302.7	256.8	190.1	111.1	42.65	10.63	42.65	111.1	190.1
111.0	295.6	282.6	238.5	176.7	104.0	41.34	11.79	41.34	104.0	176.7
114.0	275.4	262.8	222.1	165.3	98.03	39.66	12.90	39.66	98.03	165.3
117.0	256.1	244.6	206.6	153.8	89.83	37.93	14.06	37.93	89.83	153.8
120.0	237.7	227.6	192.0	142.7	83.02	36.41	15.20	36.41	83.02	142.7
123.0	219.9	211.0	178.9	130.0	77.09	35.31	16.44	35.31	77.09	130.0
126.0	203.2	195.0	165.4	118.2	71.69	34.57	17.67	34.57	71.69	118.2
129.0	187.8	180.4	152.1	107.2	66.52	34.02	18.88	34.02	66.52	107.2
132.0	173.2	166.7	138.4	98.15	62.04	33.88	20.06	33.88	62.04	98.15
135.0	159.3	153.3	125.6	90.12	58.22	34.00	21.22	34.00	58.22	90.12
138.0	146.1	140.3	113.0	82.96	54.70	33.95	22.34	33.95	54.70	82.96
141.0	133.6	128.4	100.5	75.12	51.45	33.86	23.40	33.86	51.45	75.12
144.0	121.7	117.6	90.31	69.46	48.41	33.87	24.74	33.87	48.41	69.46
147.0	110.5	106.0	81.68	63.60	46.15	34.20	26.38	34.20	46.15	63.60
150.0	100.0	93.93	73.12	58.21	44.55	34.99	28.14	34.99	44.55	58.21
153.0	90.11	82.27	66.64	53.28	44.74	35.84	29.93	35.84	44.74	53.28
156.0	80.92	69.94	59.77	49.57	44.36	36.76	31.68	36.76	44.36	49.57
159.0	72.27	61.00	53.59	48.28	43.71	37.66	33.37	37.66	43.71	48.28
162.0	63.78	54.11	48.35	47.09	43.02	38.44	34.89	38.44	43.02	47.09
165.0	55.92	48.59	44.49	45.29	42.55	39.16	36.26	39.16	42.55	45.29
168.0	47.50	42.72	41.53	43.46	42.02	39.74	37.51	39.74	42.02	43.46
171.0	40.20	37.00	38.71	41.98	41.64	39.87	38.64	39.87	41.64	41.98
174.0	32.44	33.78	37.88	41.06	41.29	39.85	39.60	39.85	41.29	41.06
177.0	28.38	32.15	36.82	39.61	39.93	40.28	40.38	40.28	39.93	39.61
180.0	27.36	31.83	36.21	39.02	39.89	40.76	40.91	40.76	39.89	39.02
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1652	1652	1652	1652	1652	1652	1652	1652	1652	1652
3.0	1650	1650	1650	1650	1650	1650	1649	1649	1649	1649
6.0	1643	1644	1644	1644	1643	1642	1641	1640	1640	1640
9.0	1633	1635	1635	1633	1630	1627	1625	1625	1625	1625
12.0	1618	1621	1621	1621	1618	1613	1608	1604	1603	1604
15.0	1598	1604	1604	1598	1592	1584	1578	1576	1578	1584
18.0	1576	1583	1584	1583	1576	1566	1555	1546	1544	1546
21.0	1549	1560	1561	1560	1549	1536	1521	1510	1506	1510
24.0	1519	1533	1536	1536	1519	1502	1483	1468	1463	1468
27.0	1485	1502	1506	1502	1485	1464	1440	1422	1416	1422
30.0	1449	1469	1474	1469	1449	1423	1394	1372	1364	1372

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-11-22

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	1409	1433	1439	1433	1409	1378	1344	1318	1309	1318
36.0	1366	1394	1401	1394	1366	1330	1291	1261	1249	1261
39.0	1321	1352	1360	1352	1321	1280	1235	1200	1187	1200
42.0	1273	1307	1316	1307	1273	1227	1176	1137	1122	1137
45.0	1223	1260	1270	1260	1223	1172	1115	1070	1053	1070
48.0	1170	1211	1222	1211	1170	1115	1052	1002	982.2	1002
51.0	1116	1159	1172	1159	1116	1056	987.3	931.6	909.3	931.6
54.0	1059	1106	1120	1106	1059	995.2	921.0	859.4	834.3	859.4
57.0	1002	1051	1066	1051	1002	933.2	853.4	785.3	755.0	785.3
60.0	942.8	994.6	1010	994.6	942.8	870.1	785.0	710.1	673.6	710.1
63.0	883.1	937.2	953.7	937.2	883.1	806.6	716.1	634.2	591.9	634.2
66.0	822.9	879.1	895.8	879.1	822.9	742.6	646.9	558.4	511.7	558.4
69.0	762.6	820.8	837.0	820.8	762.6	679.2	579.3	484.2	433.2	484.2
72.0	703.2	763.1	777.9	763.1	703.2	617.0	512.0	412.1	352.0	412.1
75.0	645.4	706.8	719.9	706.8	645.4	557.1	447.1	339.8	275.1	339.8
78.0	589.9	652.5	664.3	652.5	589.9	500.2	385.1	269.1	201.9	269.1
81.0	537.7	601.3	612.5	601.3	537.7	447.7	327.2	206.8	132.6	206.8
84.0	489.9	553.2	564.8	553.2	489.9	399.5	276.6	150.7	72.50	150.7
87.0	446.2	508.8	520.6	508.8	446.2	356.5	234.0	106.2	31.71	106.2
90.0	407.4	469.1	480.2	469.1	407.4	319.9	201.4	78.47	6.651	78.47
93.0	373.8	432.7	443.9	432.7	373.8	289.1	176.0	64.22	7.451	64.22
96.0	344.1	400.7	410.9	400.7	344.1	262.4	156.5	56.16	9.996	56.16
99.0	318.5	372.5	383.7	372.5	318.5	239.7	141.5	50.08	9.751	50.08
102.0	296.0	347.3	360.1	347.3	296.0	220.7	129.5	46.75	8.866	46.75
105.0	275.5	324.0	338.0	324.0	275.5	203.9	119.7	44.33	9.593	44.33
108.0	256.8	302.7	316.5	302.7	256.8	190.1	111.1	42.65	10.63	42.65
111.0	238.5	282.6	295.6	282.6	238.5	176.7	104.0	41.34	11.79	41.34
114.0	222.1	262.8	275.4	262.8	222.1	165.3	98.03	39.66	12.90	39.66
117.0	206.6	244.6	256.1	244.6	206.6	153.8	89.83	37.93	14.06	37.93
120.0	192.0	227.6	237.7	227.6	192.0	142.7	83.02	36.41	15.20	36.41
123.0	178.9	211.0	219.9	211.0	178.9	130.0	77.09	35.31	16.44	35.31
126.0	165.4	195.0	203.2	195.0	165.4	118.2	71.69	34.57	17.67	34.57
129.0	152.1	180.4	187.8	180.4	152.1	107.2	66.52	34.02	18.88	34.02
132.0	138.4	166.7	173.2	166.7	138.4	98.15	62.04	33.88	20.06	33.88
135.0	125.6	153.3	159.3	153.3	125.6	90.12	58.22	34.00	21.22	34.00
138.0	113.0	140.3	146.1	140.3	113.0	82.96	54.70	33.95	22.34	33.95
141.0	100.5	128.4	133.6	128.4	100.5	75.12	51.45	33.86	23.40	33.86
144.0	90.31	117.6	121.7	117.6	90.31	69.46	48.41	33.87	24.74	33.87
147.0	81.68	106.0	110.5	106.0	81.68	63.60	46.15	34.20	26.38	34.20
150.0	73.12	93.93	100.0	93.93	73.12	58.21	44.55	34.99	28.14	34.99
153.0	66.64	82.27	90.11	82.27	66.64	53.28	44.74	35.84	29.93	35.84
156.0	59.77	69.94	80.92	69.94	59.77	49.57	44.36	36.76	31.68	36.76
159.0	53.59	61.00	72.27	61.00	53.59	48.28	43.71	37.66	33.37	37.66
162.0	48.35	54.11	63.78	54.11	48.35	47.09	43.02	38.44	34.89	38.44
165.0	44.49	48.59	55.92	48.59	44.49	45.29	42.55	39.16	36.26	39.16
168.0	41.53	42.72	47.50	42.72	41.53	43.46	42.02	39.74	37.51	39.74
171.0	38.71	37.00	40.20	37.00	38.71	41.98	41.64	39.87	38.64	39.87
174.0	37.88	33.78	32.44	33.78	37.88	41.06	41.29	39.85	39.60	39.85
177.0	36.82	32.15	28.38	32.15	36.82	39.61	39.93	40.28	40.38	40.28
180.0	36.21	31.83	27.36	31.83	36.21	39.02	39.89	40.76	40.91	40.76
G/C	300.0	315.0	330.0	345.0						
0.0	1652	1652	1652	1652						
3.0	1649	1650	1650	1650						
6.0	1641	1642	1643	1644						
9.0	1627	1630	1633	1635						
12.0	1608	1613	1618	1621						
15.0	1584	1592	1598	1604						
18.0	1555	1566	1576	1583						
21.0	1521	1536	1549	1560						
24.0	1483	1502	1519	1533						
27.0	1440	1464	1485	1502						
30.0	1394	1423	1449	1469						
33.0	1344	1378	1409	1433						
36.0	1291	1330	1366	1394						
39.0	1235	1280	1321	1352						
42.0	1176	1227	1273	1307						
45.0	1115	1172	1223	1260						
48.0	1052	1115	1170	1211						
51.0	987.3	1056	1116	1159						
54.0	921.0	995.2	1059	1106						
57.0	853.4	933.2	1002	1051						
60.0	785.0	870.1	942.8	994.6						
63.0	716.1	806.6	883.1	937.2						
66.0	646.9	742.6	822.9	879.1						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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	579.3	679.2	762.6	820.8
72.0	512.0	617.0	703.2	763.1
75.0	447.1	557.1	645.4	706.8
78.0	385.1	500.2	589.9	652.5
81.0	327.2	447.7	537.7	601.3
84.0	276.6	399.5	489.9	553.2
87.0	234.0	356.5	446.2	508.8
90.0	201.4	319.9	407.4	469.1
93.0	176.0	289.1	373.8	432.7
96.0	156.5	262.4	344.1	400.7
99.0	141.5	239.7	318.5	372.5
102.0	129.5	220.7	296.0	347.3
105.0	119.7	203.9	275.5	324.0
108.0	111.1	190.1	256.8	302.7
111.0	104.0	176.7	238.5	282.6
114.0	98.03	165.3	222.1	262.8
117.0	89.83	153.8	206.6	244.6
120.0	83.02	142.7	192.0	227.6
123.0	77.09	130.0	178.9	211.0
126.0	71.69	118.2	165.4	195.0
129.0	66.52	107.2	152.1	180.4
132.0	62.04	98.15	138.4	166.7
135.0	58.22	90.12	125.6	153.3
138.0	54.70	82.96	113.0	140.3
141.0	51.45	75.12	100.5	128.4
144.0	48.41	69.46	90.31	117.6
147.0	46.15	63.60	81.68	106.0
150.0	44.55	58.21	73.12	93.93
153.0	44.74	53.28	66.64	82.27
156.0	44.36	49.57	59.77	69.94
159.0	43.71	48.28	53.59	61.00
162.0	43.02	47.09	48.35	54.11
165.0	42.55	45.29	44.49	48.59
168.0	42.02	43.46	41.53	42.72
171.0	41.64	41.98	38.71	37.00
174.0	41.29	41.06	37.88	33.78
177.0	39.93	39.61	36.82	32.15
180.0	39.89	39.02	36.21	31.83

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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: