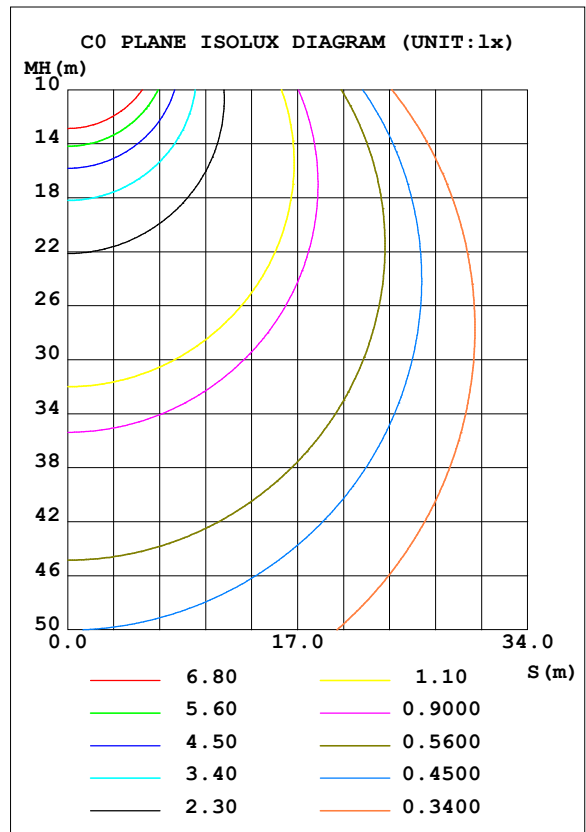
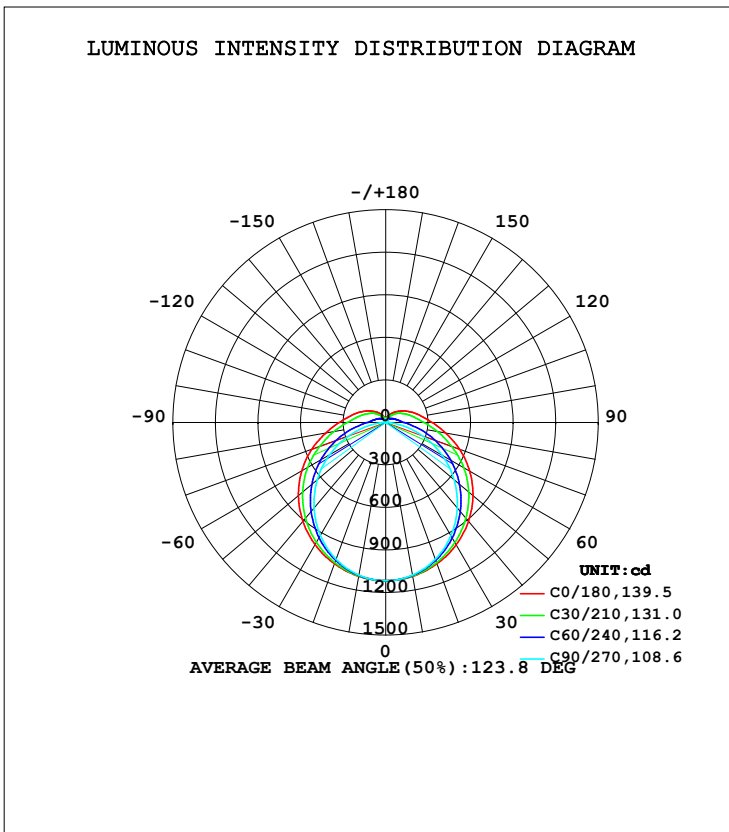


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.5V I:0.1185A P:25.43W PF:0.9315 Freq:49.99Hz Lamp Flux:4359.11x1 lm		
NAME: TB33-24-1200K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.40 lm/W			
MODEL		I _{max} (cd)	1116	S/MH (C0/180)	1.33
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4359.1	η UP, DN (C0-180)	6.9, 43.1
NOMINAL FLUX (lm)	4359.11	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	1102	1098	1093	1098	1102	1098	1093	1098	0- 10	105.7	105.7	2.42,2.42
20	1060	1043	1026	1043	1060	1043	1026	1043	10- 20	303.4	409.0	9.38,9.38
30	996.2	958.9	921.6	958.9	996.2	958.9	921.6	958.9	20- 30	463.2	872.2	20,20
40	909.5	851.1	787.0	851.1	909.5	851.1	787.0	851.1	30- 40	567.7	1440	33,33
50	804.1	724.7	630.4	724.7	804.1	724.7	630.4	724.7	40- 50	607.3	2047	47,47
60	684.5	586.4	458.0	586.4	684.5	586.4	458.0	586.4	50- 60	581.5	2629	60.3,60.3
70	555.1	441.9	277.6	441.9	555.1	441.9	277.6	441.9	60- 70	498.7	3127	71.7,71.7
80	429.0	304.7	106.2	304.7	429.0	304.7	106.2	304.7	70- 80	377.0	3504	80.4,80.4
90	328.4	208.8	3.810	208.8	328.4	208.8	3.810	208.8	80- 90	256.3	3761	86.3,86.3
100	258.3	156.3	5.719	156.3	258.3	156.3	5.719	156.3	90-100	180.7	3941	90.4,90.4
110	207.4	122.0	7.211	122.0	207.4	122.0	7.211	122.0	100-110	137.1	4079	93.6,93.6
120	162.5	95.07	9.649	95.07	162.5	95.07	9.649	95.07	110-120	102.2	4181	95.9,95.9
130	125.2	70.00	12.32	70.00	125.2	70.00	12.32	70.00	120-130	72.42	4253	97.6,97.6
140	94.34	52.66	14.86	52.66	94.34	52.66	14.86	52.66	130-140	48.33	4302	98.7,98.7
150	68.65	39.73	18.21	39.73	68.65	39.73	18.21	39.73	140-150	30.05	4332	99.4,99.4
160	47.11	31.02	21.94	31.02	47.11	31.02	21.94	31.02	150-160	16.89	4348	99.8,99.8
170	31.12	26.08	24.76	26.08	31.12	26.08	24.76	26.08	160-170	8.221	4357	99.9,99.9
180	19.16	25.81	26.51	25.81	19.16	25.81	26.51	25.81	170-180	2.411	4359	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1742.9 lm

%lum = 40.0%
%lamp = 40.0%

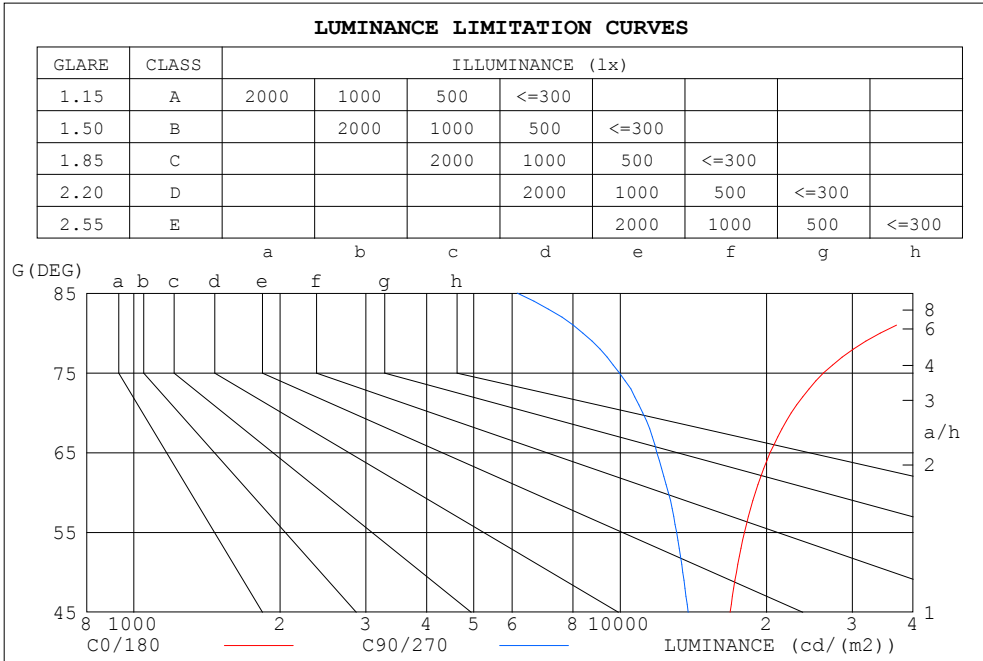
Conical surface Flux(120deg): 2628.8 lm

%lum = 60.3%
%lamp = 60.3%

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



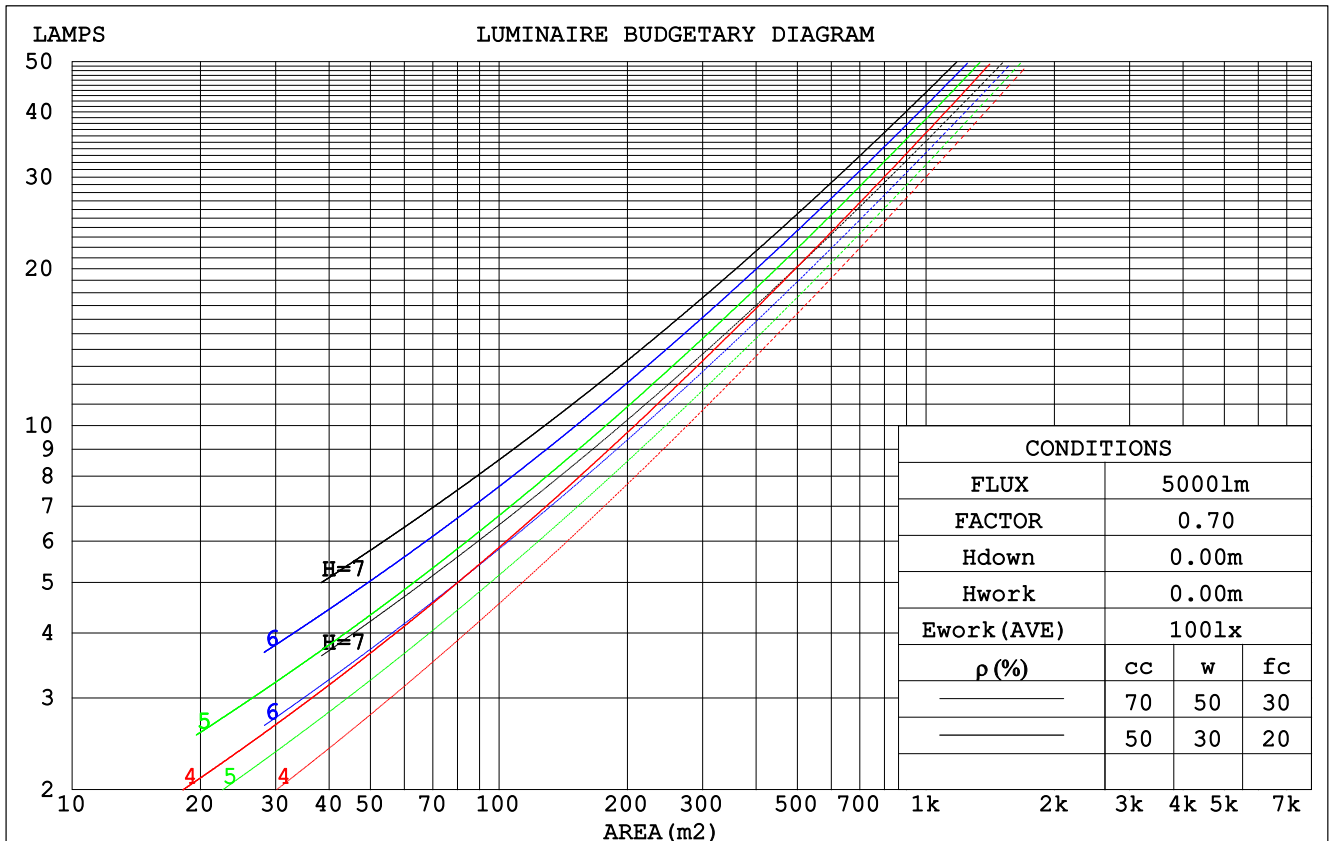
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	59623	6140
80	34234	8386
75	26199	9963
70	22490	11131
65	20341	11899
60	18968	12563
55	18016	13060
50	17334	13452
45	16832	13793

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	.70	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.64	.58	.71	.63	.56	.66	.59	.53	.61	.55	.51	.57	.52	.48	.45
4.0	.65	.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	.39	.48	.42	.37	.45	.40	.35	.33
6.0	.51	.42	.36	.50	.41	.35	.47	.39	.33	.44	.37	.32	.41	.35	.31	.28
7.0	.46	.38	.31	.45	.37	.31	.42	.35	.29	.40	.33	.28	.37	.31	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.39	.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
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.363	.206	.065	.351	.200	.064	.330	.189	.060	.310	.179	.057	.292	.169	.055	
2.0	.320	.176	.054	.310	.171	.053	.291	.162	.050	.273	.153	.048	.257	.145	.046	
3.0	.288	.153	.046	.279	.149	.045	.261	.142	.043	.245	.134	.041	.230	.128	.039	
4.0	.261	.136	.040	.252	.132	.039	.237	.126	.038	.222	.119	.036	.209	.113	.035	
5.0	.238	.121	.035	.231	.118	.034	.217	.113	.033	.203	.107	.032	.191	.102	.031	
6.0	.219	.110	.031	.212	.107	.031	.199	.102	.030	.187	.097	.029	.176	.093	.028	
7.0	.202	.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	.170	.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	.067	.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
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.289	.261	.236	.248	.224	.203	.169	.154	.140	.097	.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	.235	.191	.155	.162	.133	.109	.093	.077	.064	.030	.025	.021	
4.0	.267	.208	.164	.229	.180	.142	.157	.126	.100	.091	.074	.059	.029	.024	.019	
5.0	.259	.198	.154	.223	.172	.134	.153	.120	.094	.089	.070	.056	.029	.023	.018	
6.0	.252	.190	.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	.108	.085	.083	.064	.050	.027	.021	.017	
9.0	.232	.173	.134	.200	.150	.117	.139	.106	.083	.081	.062	.049	.026	.020	.016	
10.0	.226	.169	.131	.195	.147	.114	.135	.103	.081	.079	.061	.048	.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	17.2	18.6	17.7	19.1	19.6	15.6	17.0	16.0	17.4	17.9
3H	19.6	20.9	20.1	21.4	21.9	17.0	18.3	17.5	18.7	19.3
4H	20.9	22.1	21.4	22.6	23.1	17.5	18.7	18.0	19.2	19.8
6H	22.2	23.4	22.8	23.9	24.5	17.9	19.0	18.4	19.5	20.1
8H	23.0	24.1	23.5	24.6	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	18.6	19.6	20.2
4H 2H	17.8	19.0	18.3	19.5	20.0	16.5	17.8	17.0	18.2	18.8
3H	20.4	21.4	20.9	22.0	22.6	18.2	19.3	18.7	19.8	20.4
4H	21.8	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	25.5	19.4	20.3	20.0	20.9	21.5
8H	24.3	25.1	24.9	25.7	26.4	19.6	20.4	20.2	21.0	21.7
12H	25.3	26.1	25.9	26.7	27.4	19.7	20.4	20.3	21.0	21.7
8H 4H	22.1	22.9	22.7	23.5	24.2	19.7	20.5	20.3	21.1	21.8
6H	24.0	24.7	24.6	25.3	26.0	20.6	21.2	21.2	21.9	22.6
8H	25.1	25.7	25.7	26.4	27.1	20.9	21.5	21.5	22.1	22.9
12H	26.4	26.9	27.0	27.6	28.3	21.1	21.7	21.8	22.3	23.1
12H 4H	22.1	22.9	22.7	23.5	24.2	20.0	20.7	20.6	21.3	22.0
6H	24.1	24.7	24.7	25.4	26.1	21.0	21.6	21.6	22.3	23.0
8H	25.3	25.8	26.0	26.5	27.2	21.5	22.0	22.1	22.7	23.4
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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 4359 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

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:

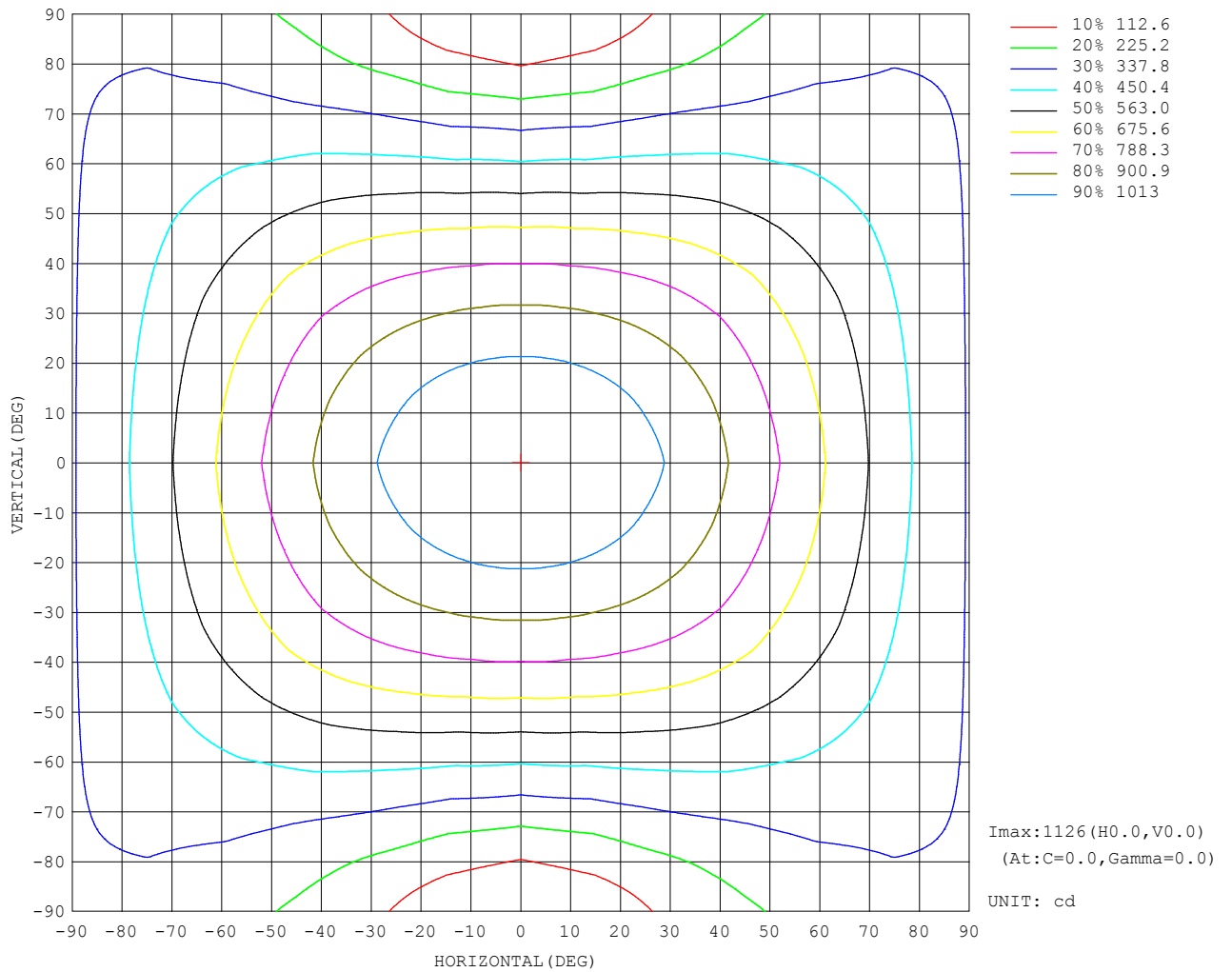
UTILIZATION FACTORS TABLE

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	47	39	56	45	38	31
1.00	68	55	47	66	54	47	63	55	46	37
1.25	75	63	54	73	61	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	54
2.50	91	82	74	88	80	73	82	75	70	58
3.00	95	86	79	92	84	77	86	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

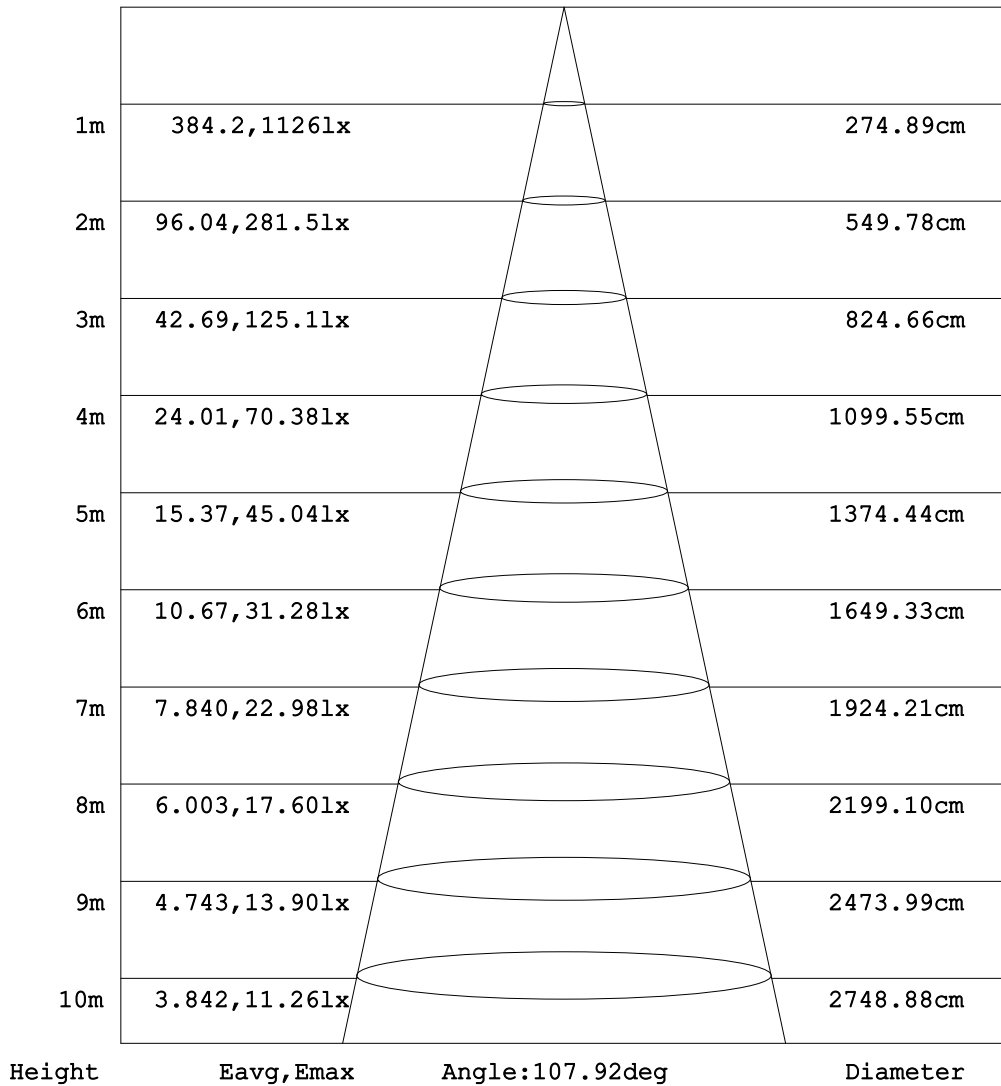


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-11-22

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

Flux out:2286 lm

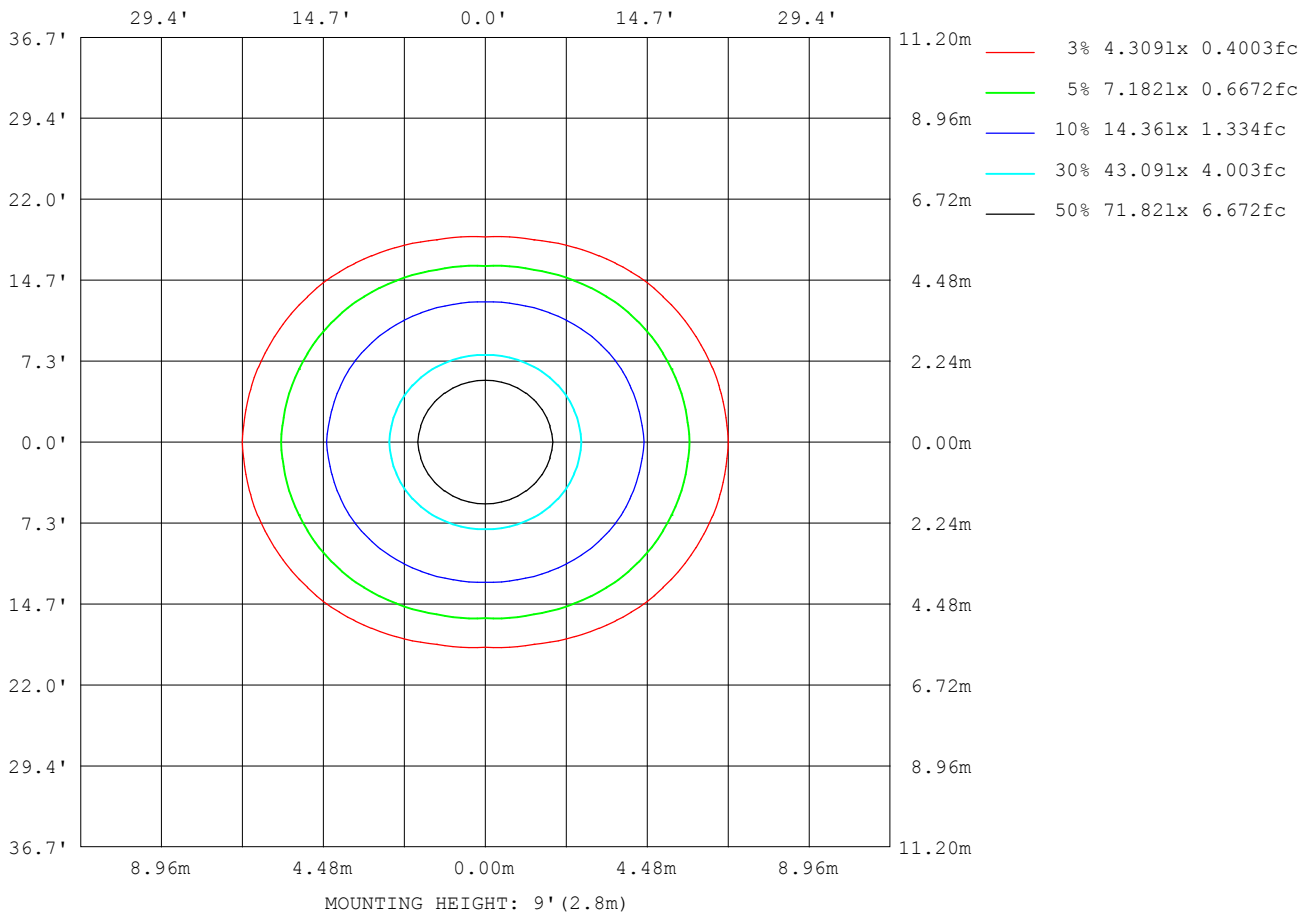


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1185A P:25.43W PF:0.9315 Freq:49.99Hz Lamp Flux:4359.11x1 lm		
NAME: TB33-24-1200K-40H-R8	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

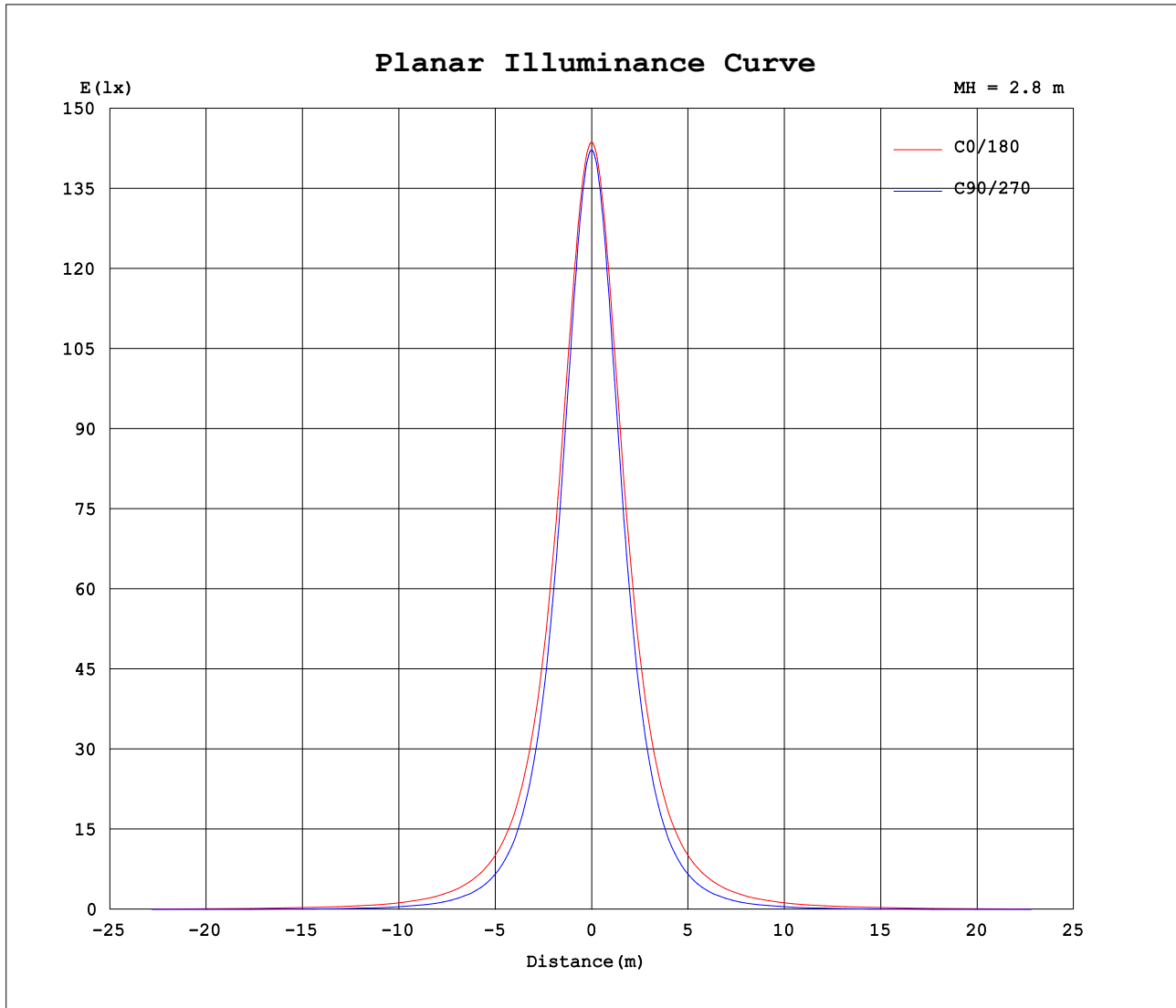
AvgL	cd/m2
L_0~180 (65) av	20164
L_0~180 (75) av	25971
L_0~180 (85) av	59106
L_90~270 (65) av	11917
L_90~270 (75) av	9978
L_90~270 (85) av	6150
L_45 (65) av	16714
L_45 (75) av	19512
L_45 (85) av	39585

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	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
5	1113	1113	1112	1112	1111	1111	1111	1111	1111	1112	1112	1113	1113	1113	1112	1112	1111	1111	1111
10	1102	1101	1100	1098	1095	1094	1093	1094	1095	1098	1100	1101	1102	1101	1100	1098	1095	1094	1093
15	1084	1083	1079	1075	1070	1066	1065	1066	1070	1075	1079	1083	1084	1083	1079	1075	1070	1066	1065
20	1060	1058	1052	1043	1035	1028	1026	1028	1035	1043	1052	1058	1060	1058	1052	1043	1035	1028	1026
25	1031	1027	1018	1004	991	982	978	982	991	1004	1018	1027	1031	1027	1018	1004	991	982	978
30	996	991	978	959	940	926	922	926	940	959	978	991	996	991	978	959	940	926	922
35	955	949	932	908	882	864	858	864	882	908	932	949	955	949	932	908	882	864	858
40	910	902	881	851	819	796	787	796	819	851	881	902	910	902	881	851	819	796	787
45	859	847	825	790	752	722	711	722	752	790	825	847	859	847	825	790	752	722	711
50	804	787	765	725	680	644	630	644	680	725	765	787	804	787	765	725	680	644	630
55	746	726	702	657	606	563	546	563	606	657	702	726	746	726	702	657	606	563	546
60	684	666	636	586	529	479	458	479	529	586	636	666	684	666	636	586	529	479	458
65	620	605	565	514	450	391	367	391	450	514	565	605	620	605	565	514	450	391	367
70	555	539	495	442	372	306	278	306	372	442	495	539	555	539	495	442	372	306	278
75	489	473	432	368	299	224	188	224	299	368	432	473	489	473	432	368	299	224	188
80	429	412	371	305	228	152	106	152	228	305	371	412	429	412	371	305	228	152	106
85	375	359	316	251	171	89.0	39.0	89.0	171	251	316	359	375	359	316	251	171	89.0	39.0
90	328	313	271	209	132	51.9	3.81	51.9	132	209	271	313	328	313	271	209	132	51.9	3.81
95	290	276	236	178	108	39.4	6.82	39.4	108	178	236	276	290	276	236	178	108	39.4	6.82
100	258	245	210	156	93.0	33.2	5.72	33.2	93.0	156	210	245	258	245	210	156	93.0	33.2	5.72
105	232	220	187	138	80.9	29.8	6.22	29.8	80.9	138	187	220	232	220	187	138	80.9	29.8	6.22
110	207	196	166	122	71.5	27.8	7.21	27.8	71.5	122	166	196	207	196	166	122	71.5	27.8	7.21
115	184	174	148	108	63.1	25.9	8.35	25.9	63.1	108	148	174	184	174	148	108	63.1	25.9	8.35
120	163	154	130	95.1	55.7	24.2	9.65	24.2	55.7	95.1	130	154	163	154	130	95.1	55.7	24.2	9.65
125	143	136	115	81.5	49.2	23.2	11.0	23.2	49.2	81.5	115	136	143	136	115	81.5	49.2	23.2	11.0
130	125	119	100	70.0	43.7	22.7	12.3	22.7	43.7	70.0	100	119	125	119	100	70.0	43.7	22.7	12.3
135	109	104	84.4	61.0	39.4	22.1	13.6	22.1	39.4	61.0	84.4	104	109	104	84.4	61.0	39.4	22.1	13.6
140	94.3	90.1	70.1	52.7	35.6	21.6	14.9	21.6	35.6	52.7	70.1	90.1	94.3	90.1	70.1	52.7	35.6	21.6	14.9
145	80.9	76.9	59.4	45.8	32.5	21.7	16.3	21.7	32.5	45.8	59.4	76.9	80.9	76.9	59.4	45.8	32.5	21.7	16.3
150	68.6	62.7	50.1	39.7	30.0	22.1	18.2	22.1	30.0	39.7	50.1	62.7	68.6	62.7	50.1	39.7	30.0	22.1	18.2
155	57.7	48.8	42.0	34.8	28.2	22.6	20.1	22.6	28.2	34.8	42.0	48.8	57.7	48.8	42.0	34.8	28.2	22.6	20.1
160	47.1	40.1	34.9	31.0	27.3	23.6	21.9	23.6	27.3	31.0	34.9	40.1	47.1	40.1	34.9	31.0	27.3	23.6	21.9
165	38.6	32.0	29.2	28.1	26.1	24.4	23.4	24.4	26.1	28.1	29.2	32.0	38.6	32.0	29.2	28.1	26.1	24.4	23.4
170	31.1	25.9	26.1	26.1	26.0	25.1	24.8	25.1	26.0	26.1	26.1	25.9	31.1	25.9	26.1	26.1	26.0	25.1	24.8
175	19.8	22.5	25.1	25.8	26.0	25.9	25.8	25.9	26.0	25.8	25.1	22.5	19.8	22.5	25.1	25.8	26.0	25.9	25.8
180	19.2	22.7	24.8	25.8	26.2	26.6	26.5	26.6	26.2	25.8	24.8	22.7	19.2	22.7	24.8	25.8	26.2	26.6	26.5

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	1116	1116	1116	1116	1116															
5	1111	1111	1112	1112	1113															
10	1094	1095	1098	1100	1101															
15	1066	1070	1075	1079	1083															
20	1028	1035	1043	1052	1058															
25	982	991	1004	1018	1027															
30	926	940	959	978	991															
35	864	882	908	932	949															
40	796	819	851	881	902															
45	722	752	790	825	847															
50	644	680	725	765	787															
55	563	606	657	702	726															
60	479	529	586	636	666															
65	391	450	514	565	605															
70	306	372	442	495	539															
75	224	299	368	432	473															
80	152	228	305	371	412															
85	89.0	171	251	316	359															
90	51.9	132	209	271	313															
95	39.4	108	178	236	276															
100	33.2	93.0	156	210	245															
105	29.8	80.9	138	187	220															
110	27.8	71.5	122	166	196															
115	25.9	63.1	108	148	174															
120	24.2	55.7	95.1	130	154															
125	23.2	49.2	81.5	115	136															
130	22.7	43.7	70.0	100	119															
135	22.1	39.4	61.0	84.4	104															
140	21.6	35.6	52.7	70.1	90.1															
145	21.7	32.5	45.8	59.4	76.9															
150	22.1	30.0	39.7	50.1	62.7															
155	22.6	28.2	34.8	42.0	48.8															
160	23.6	27.3	31.0	34.9	40.1															
165	24.4	26.1	28.1	29.2	32.0															
170	25.1	26.0	26.1	26.1	25.9															
175	25.9	26.0	25.8	25.1	22.5															
180	26.6	26.2	25.8	24.8	22.7															

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	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
3.0	1115	1115	1115	1115	1114	1114	1114	1114	1114	1115
6.0	1111	1111	1110	1110	1109	1108	1108	1108	1109	1110
9.0	1105	1104	1103	1101	1099	1098	1098	1098	1099	1101
12.0	1096	1095	1093	1089	1086	1084	1083	1084	1086	1089
15.0	1084	1083	1079	1075	1070	1066	1065	1066	1070	1075
18.0	1071	1069	1064	1057	1050	1045	1043	1045	1050	1057
21.0	1055	1052	1045	1036	1027	1020	1017	1020	1027	1036
24.0	1037	1034	1025	1013	1000	991.6	988.4	991.6	1000	1013
27.0	1018	1014	1002	986.9	971.4	960.5	956.5	960.5	971.4	986.9
30.0	996.2	991.2	977.6	958.9	940.1	926.5	921.6	926.5	940.1	958.9
33.0	972.4	966.6	950.7	928.8	906.1	889.9	883.9	889.9	906.1	928.8
36.0	946.6	940.0	922.0	896.6	870.2	850.8	843.8	850.8	870.2	896.6
39.0	919.0	911.5	891.4	862.7	832.2	809.7	801.6	809.7	832.2	862.7
42.0	889.7	881.2	858.9	826.9	792.8	766.6	757.4	766.6	792.8	826.9
45.0	858.9	847.1	824.9	789.7	751.5	721.8	711.1	721.8	751.5	789.7
48.0	826.4	811.5	789.6	751.1	709.2	675.6	663.1	675.6	709.2	751.1
51.0	792.7	775.2	752.8	711.2	665.5	627.9	613.9	627.9	665.5	711.2
54.0	757.6	738.4	715.0	670.4	620.8	579.2	563.3	579.2	620.8	670.4
57.0	721.6	701.4	676.0	628.7	575.2	529.5	511.7	529.5	575.2	628.7
60.0	684.5	665.9	636.2	586.4	529.3	478.8	458.0	478.8	529.3	586.4
63.0	646.4	629.9	593.7	543.3	482.2	426.1	403.0	426.1	482.2	543.3
66.0	607.6	592.2	550.9	499.6	434.8	373.7	349.3	373.7	434.8	499.6
69.0	568.2	552.4	508.7	456.1	387.9	323.1	296.1	323.1	387.9	456.1
72.0	529.1	512.6	468.1	412.7	342.5	272.0	241.5	272.0	342.5	412.7
75.0	489.4	473.2	431.9	367.7	298.6	224.1	188.0	224.1	298.6	367.7
78.0	452.4	435.8	394.9	326.5	256.8	179.6	137.8	179.6	256.8	326.5
81.0	417.6	401.2	359.0	293.9	213.7	138.1	91.34	138.1	213.7	293.9
84.0	385.2	369.7	326.3	261.4	180.5	100.5	50.67	100.5	180.5	261.4
87.0	355.5	339.4	297.3	233.0	153.6	69.65	20.48	69.65	153.6	233.0
90.0	328.4	312.5	271.1	208.8	132.0	51.92	3.810	51.92	132.0	208.8
93.0	304.2	288.9	248.7	188.7	116.4	43.14	4.889	43.14	116.4	188.7
96.0	283.0	269.1	230.8	173.6	104.9	37.90	7.111	37.90	104.9	173.6
99.0	264.2	250.7	214.6	160.3	95.72	34.16	6.533	34.16	95.72	160.3
102.0	247.2	234.5	200.1	148.8	87.83	31.59	5.798	31.59	87.83	148.8
105.0	231.6	219.6	186.7	138.2	80.93	29.76	6.221	29.76	80.93	138.2
108.0	216.9	205.4	174.3	128.4	75.01	28.49	6.795	28.49	75.01	128.4
111.0	202.5	191.7	162.5	119.0	69.81	27.40	7.435	27.40	69.81	119.0
114.0	188.3	178.6	151.2	110.8	64.84	26.26	8.101	26.26	64.84	110.8
117.0	175.1	166.0	140.4	103.3	59.89	25.11	8.850	25.11	59.89	103.3
120.0	162.5	154.1	130.5	95.07	55.67	24.19	9.649	24.19	55.67	95.07
123.0	150.5	142.7	121.2	86.88	51.61	23.52	10.45	23.52	51.61	86.88
126.0	139.2	132.1	112.4	78.77	47.97	23.10	11.25	23.10	47.97	78.77
129.0	128.6	122.1	103.2	71.98	44.62	22.66	12.05	22.66	44.62	71.98
132.0	118.6	112.7	93.70	66.20	41.89	22.42	12.84	22.42	41.89	66.20
135.0	109.1	103.8	84.40	61.00	39.40	22.09	13.63	22.09	39.40	61.00
138.0	100.1	95.44	75.43	55.59	37.05	21.80	14.38	21.80	37.05	55.59
141.0	91.57	87.47	67.77	51.27	34.87	21.54	15.11	21.54	34.87	51.27
144.0	83.47	79.61	61.32	47.17	33.10	21.60	16.01	21.60	33.10	47.17
147.0	75.82	71.22	55.13	43.28	31.37	21.89	17.07	21.89	31.37	43.28
150.0	68.65	62.73	50.09	39.73	30.01	22.09	18.21	22.09	30.01	39.73
153.0	61.90	54.23	45.13	36.52	28.89	22.37	19.37	22.37	28.89	36.52
156.0	55.63	46.95	40.49	33.98	27.87	22.71	20.50	22.71	27.87	33.98
159.0	49.61	41.76	36.24	31.72	27.17	23.39	21.59	23.39	27.17	31.72
162.0	43.16	36.82	32.46	29.62	26.95	24.00	22.58	24.00	26.95	29.62
165.0	38.62	31.95	29.21	28.14	26.15	24.42	23.43	24.42	26.15	28.14
168.0	33.47	27.79	27.34	26.99	25.84	24.82	24.39	24.82	25.84	26.99
171.0	29.35	24.56	25.59	25.85	26.01	25.29	24.99	25.29	26.01	25.85
174.0	22.79	22.69	25.22	25.87	25.96	25.80	25.63	25.80	25.96	25.87
177.0	19.31	22.22	24.83	25.71	26.02	26.22	26.14	26.22	26.02	25.71
180.0	19.16	22.66	24.76	25.81	26.22	26.55	26.51	26.55	26.22	25.81
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
3.0	1115	1115	1115	1115	1115	1115	1114	1114	1114	1114
6.0	1110	1111	1111	1111	1110	1110	1109	1108	1108	1108
9.0	1103	1104	1105	1104	1103	1101	1099	1098	1098	1098
12.0	1093	1095	1096	1095	1093	1089	1086	1084	1083	1084
15.0	1079	1083	1084	1083	1079	1075	1070	1066	1065	1066
18.0	1064	1069	1071	1069	1064	1057	1050	1045	1043	1045
21.0	1045	1052	1055	1052	1045	1036	1027	1020	1017	1020
24.0	1025	1034	1037	1034	1025	1013	1000	991.6	988.4	991.6
27.0	1002	1014	1018	1014	1002	986.9	971.4	960.5	956.5	960.5
30.0	977.6	991.2	996.2	991.2	977.6	958.9	940.1	926.5	921.6	926.5

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:

Photometric Data Table [cd]

33.0	950.7	966.6	972.4	966.6	950.7	928.8	906.1	889.9	883.9	889.9
36.0	922.0	940.0	946.6	940.0	922.0	896.6	870.2	850.8	843.8	850.8
39.0	891.4	911.5	919.0	911.5	891.4	862.7	832.2	809.7	801.6	809.7
42.0	858.9	881.2	889.7	881.2	858.9	826.9	792.8	766.6	757.4	766.6
45.0	824.9	847.1	858.9	847.1	824.9	789.7	751.5	721.8	711.1	721.8
48.0	789.6	811.5	826.4	811.5	789.6	751.1	709.2	675.6	663.1	675.6
51.0	752.8	775.2	792.7	775.2	752.8	711.2	665.5	627.9	613.9	627.9
54.0	715.0	738.4	757.6	738.4	715.0	670.4	620.8	579.2	563.3	579.2
57.0	676.0	701.4	721.6	701.4	676.0	628.7	575.2	529.5	511.7	529.5
60.0	636.2	665.9	684.5	665.9	636.2	586.4	529.3	478.8	458.0	478.8
63.0	593.7	629.9	646.4	629.9	593.7	543.3	482.2	426.1	403.0	426.1
66.0	550.9	592.2	607.6	592.2	550.9	499.6	434.8	373.7	349.3	373.7
69.0	508.7	552.4	568.2	552.4	508.7	456.1	387.9	323.1	296.1	323.1
72.0	468.1	512.6	529.1	512.6	468.1	412.7	342.5	272.0	241.5	272.0
75.0	431.9	473.2	489.4	473.2	431.9	367.7	298.6	224.1	188.0	224.1
78.0	394.9	435.8	452.4	435.8	394.9	326.5	256.8	179.6	137.8	179.6
81.0	359.0	401.2	417.6	401.2	359.0	293.9	213.7	138.1	91.34	138.1
84.0	326.3	369.7	385.2	369.7	326.3	261.4	180.5	100.5	50.67	100.5
87.0	297.3	339.4	355.5	339.4	297.3	233.0	153.6	69.65	20.48	69.65
90.0	271.1	312.5	328.4	312.5	271.1	208.8	132.0	51.92	3.810	51.92
93.0	248.7	288.9	304.2	288.9	248.7	188.7	116.4	43.14	4.889	43.14
96.0	230.8	269.1	283.0	269.1	230.8	173.6	104.9	37.90	7.111	37.90
99.0	214.6	250.7	264.2	250.7	214.6	160.3	95.72	34.16	6.533	34.16
102.0	200.1	234.5	247.2	234.5	200.1	148.8	87.83	31.59	5.798	31.59
105.0	186.7	219.6	231.6	219.6	186.7	138.2	80.93	29.76	6.221	29.76
108.0	174.3	205.4	216.9	205.4	174.3	128.4	75.01	28.49	6.795	28.49
111.0	162.5	191.7	202.5	191.7	162.5	119.0	69.81	27.40	7.435	27.40
114.0	151.2	178.6	188.3	178.6	151.2	110.8	64.84	26.26	8.101	26.26
117.0	140.4	166.0	175.1	166.0	140.4	103.3	59.89	25.11	8.850	25.11
120.0	130.5	154.1	162.5	154.1	130.5	95.07	55.67	24.19	9.649	24.19
123.0	121.2	142.7	150.5	142.7	121.2	86.88	51.61	23.52	10.45	23.52
126.0	112.4	132.1	139.2	132.1	112.4	78.77	47.97	23.10	11.25	23.10
129.0	103.2	122.1	128.6	122.1	103.2	71.98	44.62	22.66	12.05	22.66
132.0	93.70	112.7	118.6	112.7	93.70	66.20	41.89	22.42	12.84	22.42
135.0	84.40	103.8	109.1	103.8	84.40	61.00	39.40	22.09	13.63	22.09
138.0	75.43	95.44	100.1	95.44	75.43	55.59	37.05	21.80	14.38	21.80
141.0	67.77	87.47	91.57	87.47	67.77	51.27	34.87	21.54	15.11	21.54
144.0	61.32	79.61	83.47	79.61	61.32	47.17	33.10	21.60	16.01	21.60
147.0	55.13	71.22	75.82	71.22	55.13	43.28	31.37	21.89	17.07	21.89
150.0	50.09	62.73	68.65	62.73	50.09	39.73	30.01	22.09	18.21	22.09
153.0	45.13	54.23	61.90	54.23	45.13	36.52	28.89	22.37	19.37	22.37
156.0	40.49	46.95	55.63	46.95	40.49	33.98	27.87	22.71	20.50	22.71
159.0	36.24	41.76	49.61	41.76	36.24	31.72	27.17	23.39	21.59	23.39
162.0	32.46	36.82	43.16	36.82	32.46	29.62	26.95	24.00	22.58	24.00
165.0	29.21	31.95	38.62	31.95	29.21	28.14	26.15	24.42	23.43	24.42
168.0	27.34	27.79	33.47	27.79	27.34	26.99	25.84	24.82	24.39	24.82
171.0	25.59	24.56	29.35	24.56	25.59	25.85	26.01	25.29	24.99	25.29
174.0	25.22	22.69	22.79	22.69	25.22	25.87	25.96	25.80	25.63	25.80
177.0	24.83	22.22	19.31	22.22	24.83	25.71	26.02	26.22	26.14	26.22
180.0	24.76	22.66	19.16	22.66	24.76	25.81	26.22	26.55	26.51	26.55
G/C	300.0	315.0	330.0	345.0						
0.0	1116	1116	1116	1116						
3.0	1114	1115	1115	1115						
6.0	1109	1110	1110	1111						
9.0	1099	1101	1103	1104						
12.0	1086	1089	1093	1095						
15.0	1070	1075	1079	1083						
18.0	1050	1057	1064	1069						
21.0	1027	1036	1045	1052						
24.0	1000	1013	1025	1034						
27.0	971.4	986.9	1002	1014						
30.0	940.1	958.9	977.6	991.2						
33.0	906.1	928.8	950.7	966.6						
36.0	870.2	896.6	922.0	940.0						
39.0	832.2	862.7	891.4	911.5						
42.0	792.8	826.9	858.9	881.2						
45.0	751.5	789.7	824.9	847.1						
48.0	709.2	751.1	789.6	811.5						
51.0	665.5	711.2	752.8	775.2						
54.0	620.8	670.4	715.0	738.4						
57.0	575.2	628.7	676.0	701.4						
60.0	529.3	586.4	636.2	665.9						
63.0	482.2	543.3	593.7	629.9						
66.0	434.8	499.6	550.9	592.2						

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:

Photometric Data Table [cd]

69.0	387.9	456.1	508.7	552.4
72.0	342.5	412.7	468.1	512.6
75.0	298.6	367.7	431.9	473.2
78.0	256.8	326.5	394.9	435.8
81.0	213.7	293.9	359.0	401.2
84.0	180.5	261.4	326.3	369.7
87.0	153.6	233.0	297.3	339.4
90.0	132.0	208.8	271.1	312.5
93.0	116.4	188.7	248.7	288.9
96.0	104.9	173.6	230.8	269.1
99.0	95.72	160.3	214.6	250.7
102.0	87.83	148.8	200.1	234.5
105.0	80.93	138.2	186.7	219.6
108.0	75.01	128.4	174.3	205.4
111.0	69.81	119.0	162.5	191.7
114.0	64.84	110.8	151.2	178.6
117.0	59.89	103.3	140.4	166.0
120.0	55.67	95.07	130.5	154.1
123.0	51.61	86.88	121.2	142.7
126.0	47.97	78.77	112.4	132.1
129.0	44.62	71.98	103.2	122.1
132.0	41.89	66.20	93.70	112.7
135.0	39.40	61.00	84.40	103.8
138.0	37.05	55.59	75.43	95.44
141.0	34.87	51.27	67.77	87.47
144.0	33.10	47.17	61.32	79.61
147.0	31.37	43.28	55.13	71.22
150.0	30.01	39.73	50.09	62.73
153.0	28.89	36.52	45.13	54.23
156.0	27.87	33.98	40.49	46.95
159.0	27.17	31.72	36.24	41.76
162.0	26.95	29.62	32.46	36.82
165.0	26.15	28.14	29.21	31.95
168.0	25.84	26.99	27.34	27.79
171.0	26.01	25.85	25.59	24.56
174.0	25.96	25.87	25.22	22.69
177.0	26.02	25.71	24.83	22.22
180.0	26.22	25.81	24.76	22.66

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: