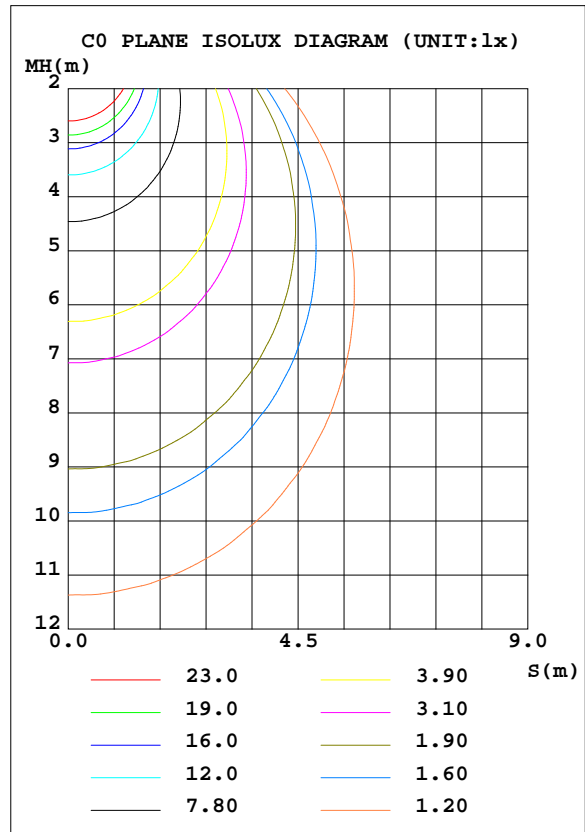
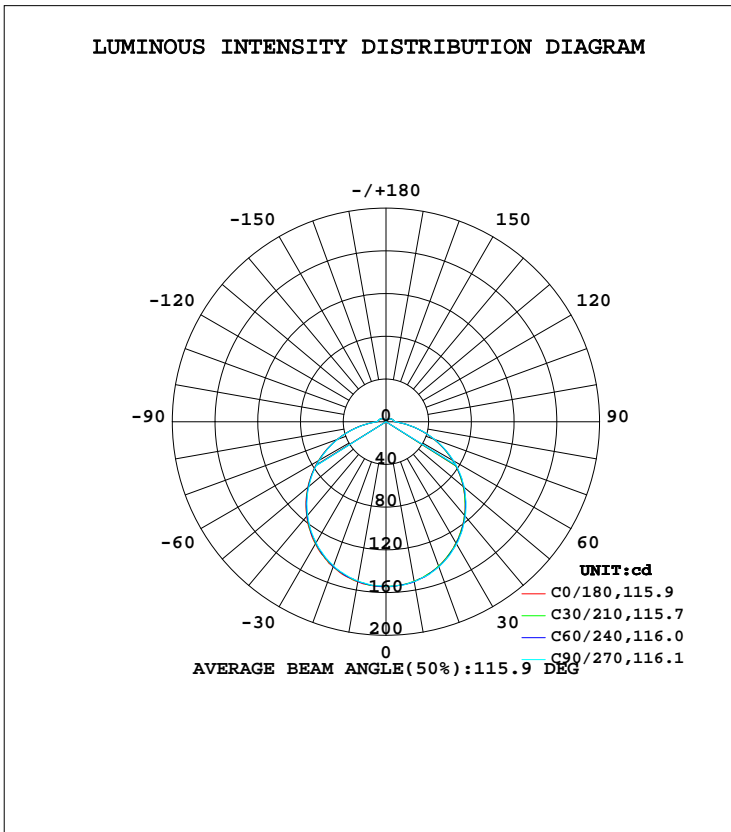


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.1397A P:15.232W PF:0.9081 Freq:59.98Hz Lamp Flux:501.598x1 lm		
NAME: FR/FH-W2003-52L	TYPE:Ceiling Fans	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 32.93 lm/W			
MODEL		I <sub>max</sub> (cd)	154.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	501.60	η UP, DN(C0-180)	3.3,46.5
NOMINAL FLUX(lm)	501.598	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.2,47.0
LAMPS INSIDE	1	η up(%)	6.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:2.499m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

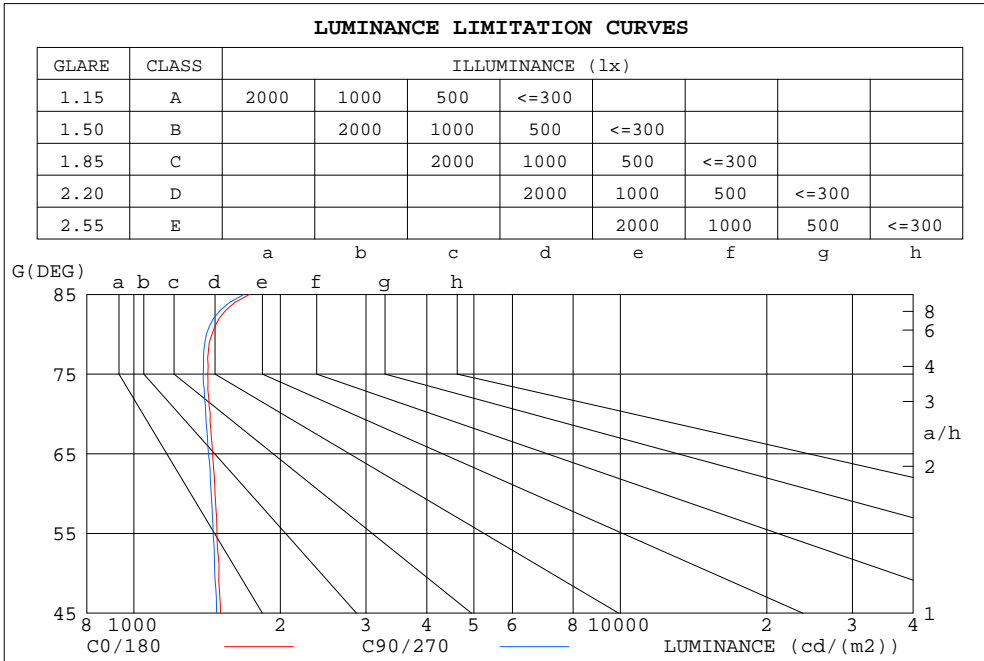
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	152.2	151.7	151.3	151.5	151.4	151.8	152.1	152.2	0- 10	14.61	14.61	2.91,2.91
20	144.7	144.2	143.5	143.6	144.0	144.1	144.7	145.1	10- 20	41.96	56.57	11.3,11.3
30	132.1	131.5	130.7	130.5	131.2	131.4	132.2	132.8	20- 30	63.80	120.4	24,24
40	115.6	114.8	114.2	113.9	114.5	114.8	115.6	116.3	30- 40	77.39	197.8	39.4,39.4
50	95.56	95.08	94.16	93.82	94.38	94.73	95.70	96.37	40- 50	81.25	279.0	55.6,55.6
60	72.99	72.68	72.07	71.35	71.94	72.18	73.10	73.80	50- 60	75.07	354.1	70.6,70.6
70	48.80	48.44	48.01	47.31	47.77	47.86	48.55	49.38	60- 70	59.83	413.9	82.5,82.5
80	24.99	24.83	24.45	23.91	24.35	24.31	24.79	25.48	70- 80	38.21	452.1	90.1,90.1
90	8.907	8.953	8.983	8.849	8.865	8.791	9.018	9.134	80- 90	16.86	469.0	93.5,93.5
100	7.241	7.287	7.448	7.442	7.390	7.309	7.338	7.326	90-100	8.541	477.5	95.2,95.2
110	6.435	6.519	6.654	6.650	6.566	6.443	6.462	6.469	100-110	7.349	484.9	96.7,96.7
120	5.512	5.638	5.758	5.738	5.627	5.473	5.486	5.509	110-120	6.027	490.9	97.9,97.9
130	4.496	4.656	4.761	4.725	4.473	4.252	4.426	4.470	120-130	4.570	495.5	98.8,98.8
140	3.423	3.609	3.696	3.650	3.297	3.060	3.319	3.386	130-140	3.111	498.6	99.4,99.4
150	2.361	2.567	2.628	2.576	2.279	2.068	2.199	2.283	140-150	1.838	500.4	99.8,99.8
160	1.351	1.576	1.614	1.563	1.319	1.128	1.146	1.207	150-160	0.8772	501.3	99.9,99.9
170	0.4348	0.7529	0.8142	0.8618	0.5194	0.3988	0.4147	0.3610	160-170	0.2787	501.6	100,100
180	0.1672	0.1697	0.1672	0.1691	0.1685	0.1680	0.1689	0.1691	170-180	0.0384	501.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:2.499m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES



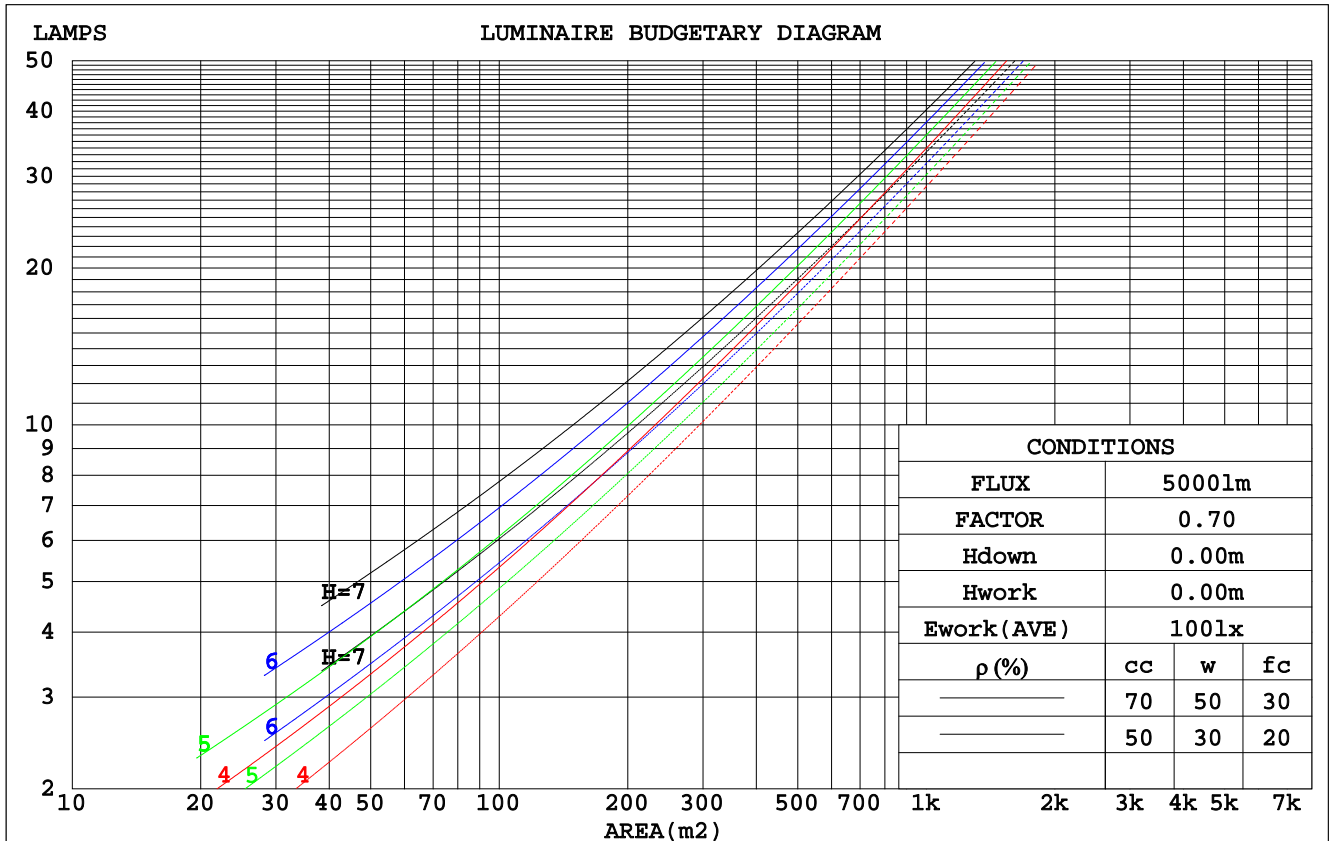
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1728	1684
80	1447	1409
75	1419	1389
70	1435	1405
65	1450	1423
60	1468	1442
55	1481	1455
50	1495	1466
45	1507	1479

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρcc	80%			70%			50%			30%			10%			0
ρw	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						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.02	1.02	1.02	.96	.96	.96	.93
1.0	1.01	.97	.93	.98	.94	.90	.93	.89	.86	.88	.85	.83	.83	.81	.79	.76
2.0	.88	.81	.75	.85	.79	.73	.81	.75	.71	.76	.72	.68	.72	.69	.65	.63
3.0	.77	.68	.62	.75	.67	.61	.71	.64	.59	.67	.62	.57	.64	.59	.55	.53
4.0	.68	.59	.52	.66	.58	.51	.63	.55	.50	.60	.53	.48	.57	.51	.47	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.53	.47	.42	.51	.45	.41	.38
6.0	.54	.45	.39	.53	.44	.38	.50	.43	.37	.48	.42	.37	.46	.40	.36	.33
7.0	.49	.40	.34	.48	.40	.34	.46	.38	.33	.44	.37	.32	.42	.36	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.29	.40	.34	.29	.39	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.39	.31	.26	.37	.31	.26	.36	.30	.25	.24
10.0	.38	.30	.25	.37	.29	.24	.36	.29	.24	.34	.28	.24	.33	.27	.23	.21



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

WEC AND CCEC

$\rho_{cc}$	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.330	.188	.059	.321	.183	.058	.304	.174	.056	.288	.166	.053	.274	.159	.051	
2.0	.303	.166	.051	.294	.162	.050	.279	.155	.048	.265	.149	.047	.252	.143	.045	
3.0	.277	.147	.044	.269	.144	.043	.256	.139	.042	.243	.133	.041	.231	.128	.040	
4.0	.253	.132	.039	.247	.129	.038	.235	.125	.037	.223	.120	.036	.213	.116	.035	
5.0	.233	.119	.034	.227	.117	.034	.216	.113	.033	.206	.109	.032	.197	.105	.032	
6.0	.216	.108	.031	.210	.106	.031	.200	.103	.030	.191	.099	.029	.183	.096	.029	
7.0	.200	.099	.028	.195	.097	.028	.186	.094	.027	.178	.091	.027	.170	.088	.026	
8.0	.186	.091	.026	.182	.090	.025	.174	.087	.025	.166	.084	.024	.159	.082	.024	
9.0	.174	.084	.024	.171	.083	.023	.163	.081	.023	.156	.078	.022	.150	.076	.022	
10.0	.164	.079	.022	.160	.077	.022	.154	.075	.021	.147	.073	.021	.141	.071	.020	

$\rho_{cc}$	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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.240	.240	.240	.205	.205	.205	.140	.140	.140	.080	.080	.080	.026	.026	.026	
1.0	.232	.206	.183	.198	.177	.157	.136	.122	.109	.078	.070	.063	.025	.023	.020	
2.0	.224	.182	.147	.192	.157	.127	.131	.108	.089	.076	.063	.052	.024	.020	.017	
3.0	.216	.165	.124	.185	.142	.107	.127	.099	.075	.074	.058	.044	.024	.019	.015	
4.0	.209	.152	.108	.179	.131	.094	.123	.091	.066	.071	.054	.039	.023	.017	.013	
5.0	.201	.142	.098	.173	.123	.085	.119	.086	.060	.069	.050	.036	.022	.016	.012	
6.0	.194	.133	.090	.167	.116	.078	.115	.081	.055	.067	.048	.033	.022	.016	.011	
7.0	.187	.127	.084	.161	.110	.073	.111	.077	.052	.065	.045	.031	.021	.015	.010	
8.0	.181	.121	.080	.156	.105	.070	.108	.074	.049	.063	.043	.029	.020	.014	.010	
9.0	.175	.116	.077	.150	.101	.067	.104	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.169	.112	.074	.146	.097	.065	.101	.068	.046	.059	.040	.027	.019	.013	.009	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [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	16.3	17.7	16.6	18.1	18.4	16.2	17.7	16.6	18.0	18.3
3H	18.0	19.3	18.4	19.7	20.1	17.9	19.2	18.3	19.6	20.0
4H	18.7	20.0	19.1	20.4	20.8	18.6	19.9	19.0	20.3	20.7
6H	19.3	20.6	19.8	20.9	21.4	19.3	20.5	19.7	20.8	21.3
8H	19.6	20.8	20.0	21.2	21.6	19.5	20.7	19.9	21.1	21.5
12H	19.8	21.0	20.3	21.4	21.8	19.7	20.9	20.2	21.3	21.7
4H 2H	16.9	18.2	17.3	18.6	19.0	16.9	18.1	17.3	18.5	18.9
3H	18.8	19.9	19.3	20.3	20.8	18.7	19.9	19.2	20.3	20.7
4H	19.7	20.7	20.2	21.1	21.6	19.6	20.6	20.1	21.1	21.5
6H	20.5	21.4	21.0	21.8	22.3	20.4	21.3	20.9	21.8	22.3
8H	20.8	21.6	21.3	22.1	22.6	20.7	21.6	21.2	22.0	22.6
12H	21.1	21.9	21.6	22.4	22.9	21.0	21.8	21.5	22.3	22.8
8H 4H	20.0	20.8	20.5	21.3	21.9	19.9	20.8	20.5	21.3	21.8
6H	21.0	21.7	21.5	22.2	22.8	20.9	21.6	21.4	22.1	22.7
8H	21.4	22.1	22.0	22.6	23.2	21.3	22.0	21.9	22.5	23.1
12H	21.9	22.4	22.5	23.0	23.6	21.8	22.3	22.4	22.9	23.5
12H 4H	20.0	20.8	20.6	21.3	21.9	20.0	20.8	20.5	21.3	21.8
6H	21.1	21.7	21.6	22.2	22.8	21.0	21.6	21.6	22.2	22.8
8H	21.6	22.1	22.2	22.7	23.3	21.5	22.1	22.1	22.6	23.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 501.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

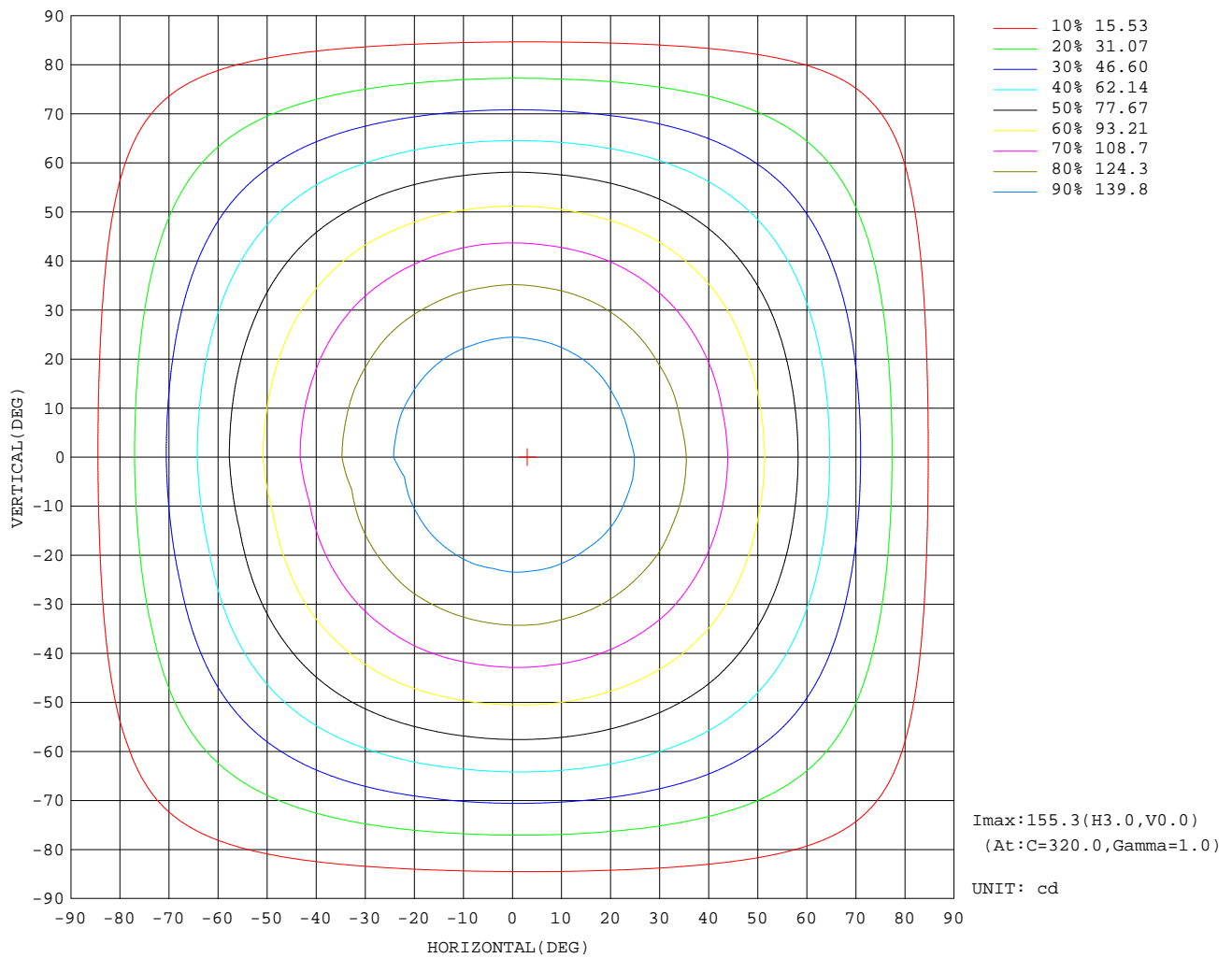
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	44	36
1.00	72	61	53	71	60	53	68	61	52	44
1.25	79	68	61	78	67	60	74	65	59	51
1.50	84	74	66	82	73	66	79	70	64	56
2.00	91	82	75	89	81	74	85	78	72	63
2.50	96	87	80	93	85	79	88	82	77	67
3.00	99	91	85	96	89	84	91	86	81	71
4.00	103	97	92	100	95	90	95	90	86	76
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

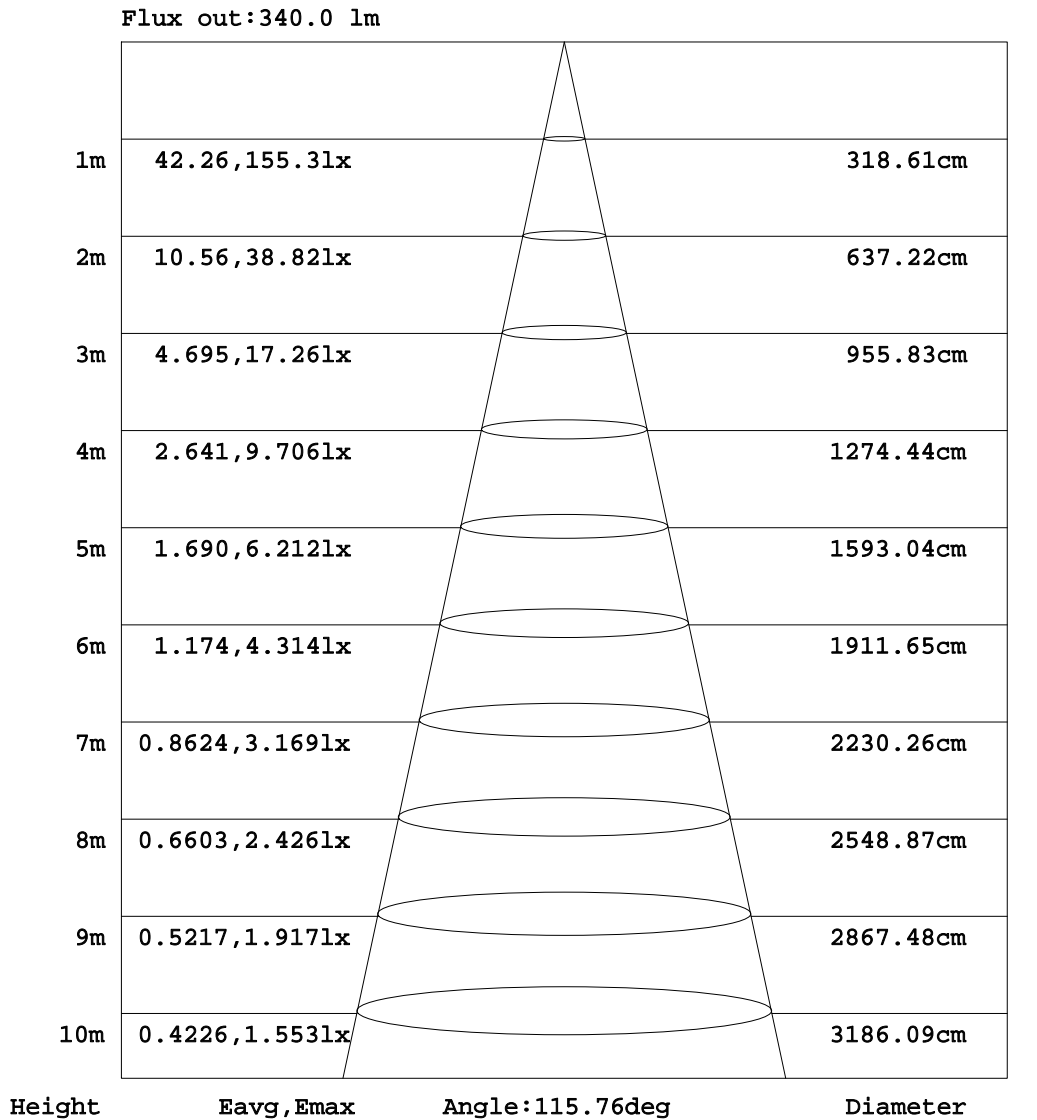


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:



AAI Figure

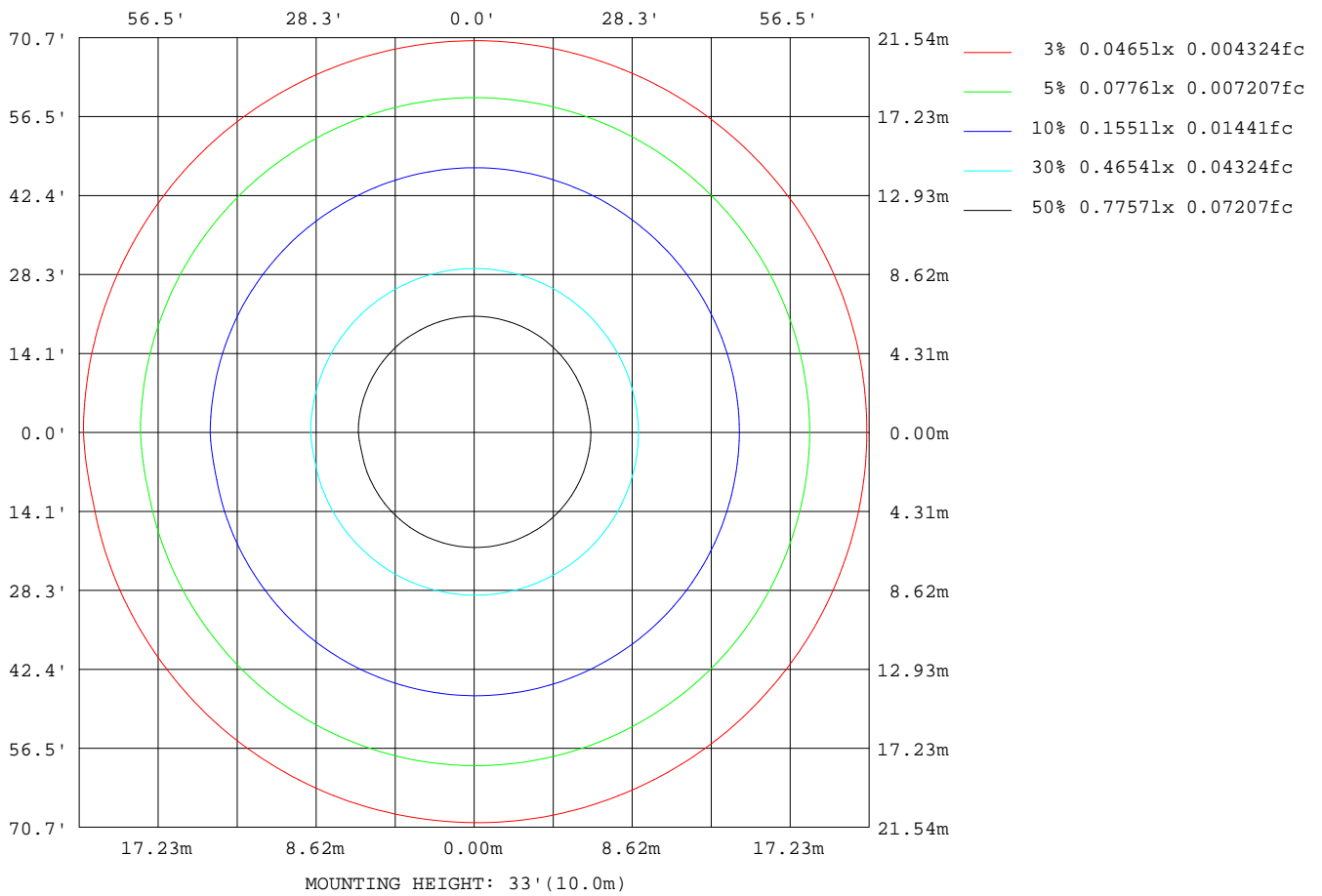


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:120.04V I:0.1397A P:15.232W PF:0.9081 Freq:59.98Hz Lamp Flux:501.598x1 lm		
NAME: FR/FH-W2003-52L	TYPE:Ceiling Fans	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

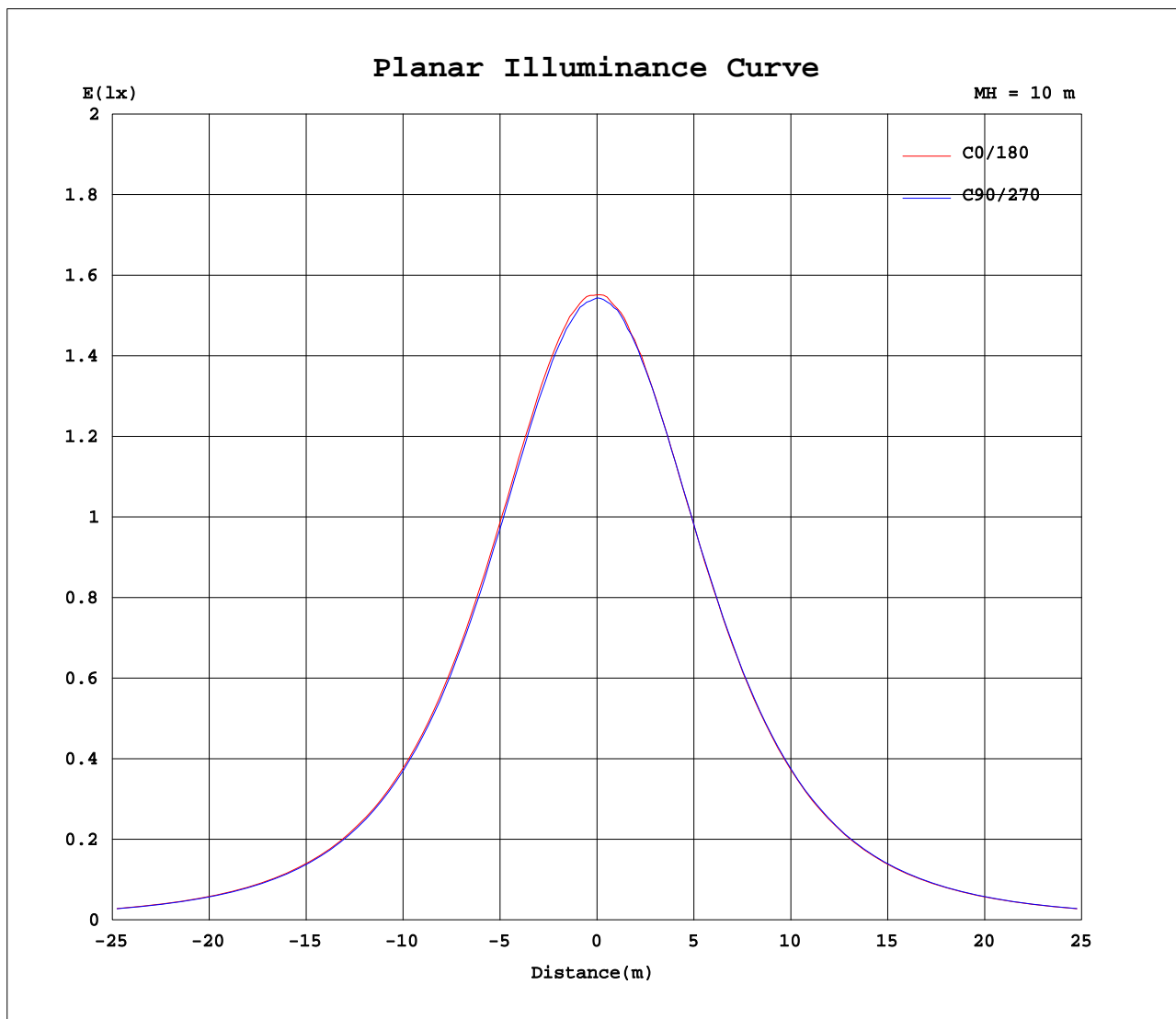
AvgL	cd/m2
L_0~180(65)av	1431
L_0~180(75)av	1395
L_0~180(85)av	1695
L_90~270(65)av	1431
L_90~270(75)av	1395
L_90~270(85)av	1695
L_45(65)av	1431
L_45(75)av	1394
L_45(85)av	1695

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Oliver  
 Test Date:2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:2.499m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
5	154	154	154	154	153	153	154	154	154	154	153	153	153	154	154	154	154	153	153
10	152	152	152	152	152	152	152	152	152	151	151	151	151	152	151	152	151	151	151
15	149	149	149	149	148	149	149	149	149	148	148	148	148	148	148	148	148	148	149
20	145	144	144	144	144	144	144	144	144	143	143	143	144	144	144	143	143	143	144
25	139	139	139	139	138	138	138	138	138	138	138	138	138	138	137	138	137	137	138
30	132	132	132	132	131	132	131	131	131	131	131	131	131	131	130	130	130	130	131
35	124	124	124	124	123	124	123	123	123	123	123	123	123	122	122	123	122	122	123
40	116	115	115	115	115	115	115	115	115	114	114	114	114	114	114	114	114	113	115
45	106	106	105	106	105	105	105	105	105	104	105	104	104	104	104	104	104	104	105
50	95.6	95.3	95.2	95.2	95.0	95.2	95.0	94.9	94.7	94.2	94.2	94.0	94.2	93.9	93.7	93.8	93.4	93.3	94.4
55	84.5	84.2	84.3	84.4	84.2	84.2	84.1	83.9	83.7	83.4	83.4	83.2	83.1	83.0	82.8	82.6	82.5	82.5	83.5
60	73.0	72.8	72.7	72.8	72.7	72.7	72.4	72.4	72.3	72.1	72.0	71.7	71.7	71.5	71.2	71.2	71.0	70.9	71.9
65	61.0	60.8	60.8	60.8	60.6	60.7	60.6	60.5	60.4	60.1	60.0	59.8	59.7	59.6	59.3	59.1	59.0	58.9	60.0
70	48.8	48.6	48.6	48.6	48.4	48.5	48.4	48.4	48.2	48.0	48.0	47.6	47.6	47.4	47.2	47.1	46.9	46.9	47.8
75	36.5	36.4	36.4	36.4	36.3	36.4	36.3	36.2	36.2	35.9	35.8	35.6	35.6	35.4	35.2	35.0	34.9	34.8	35.7
80	25.0	24.9	24.9	24.8	24.8	24.8	24.8	24.7	24.6	24.4	24.4	24.2	24.1	24.0	23.8	23.7	23.6	23.5	24.4
85	15.0	14.9	14.9	14.9	14.9	14.9	14.9	14.8	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	14.6
90	8.91	8.89	8.91	8.92	8.94	8.97	8.98	9.00	9.00	8.98	8.96	8.93	8.93	8.87	8.83	8.78	8.74	8.69	8.86
95	7.62	7.58	7.59	7.60	7.62	7.66	7.71	7.77	7.79	7.82	7.83	7.82	7.82	7.80	7.79	7.77	7.75	7.73	7.77
100	7.24	7.21	7.22	7.23	7.27	7.31	7.36	7.40	7.43	7.45	7.47	7.47	7.48	7.45	7.43	7.41	7.38	7.36	7.39
105	6.85	6.83	6.85	6.86	6.89	6.94	6.98	7.03	7.05	7.07	7.10	7.09	7.10	7.07	7.05	7.02	7.00	6.98	6.99
110	6.44	6.42	6.44	6.46	6.50	6.54	6.58	6.62	6.64	6.65	6.68	6.69	6.68	6.66	6.64	6.61	6.58	6.55	6.57
115	5.99	5.98	6.01	6.03	6.07	6.11	6.15	6.19	6.21	6.22	6.24	6.25	6.24	6.22	6.19	6.16	6.14	6.10	6.11
120	5.51	5.52	5.55	5.58	5.62	5.66	5.69	5.73	5.75	5.76	5.78	5.77	5.77	5.75	5.72	5.69	5.66	5.62	5.63
125	5.01	5.03	5.06	5.10	5.14	5.18	5.20	5.24	5.26	5.27	5.28	5.28	5.28	5.25	5.22	5.19	5.16	5.12	5.12
130	4.50	4.51	4.56	4.60	4.63	4.68	4.70	4.73	4.75	4.76	4.77	4.76	4.76	4.74	4.71	4.67	4.64	4.59	4.47
135	3.97	4.00	4.04	4.08	4.12	4.15	4.18	4.21	4.22	4.23	4.24	4.24	4.23	4.21	4.18	4.13	4.10	4.03	3.95
140	3.42	3.46	3.52	3.55	3.59	3.63	3.65	3.67	3.69	3.70	3.70	3.69	3.69	3.67	3.63	3.59	3.56	3.46	3.30
145	2.89	2.94	2.99	3.03	3.07	3.10	3.12	3.14	3.16	3.16	3.16	3.16	3.15	3.13	3.10	3.04	3.00	2.90	2.80
150	2.36	2.41	2.47	2.51	2.55	2.58	2.60	2.61	2.62	2.63	2.63	2.62	2.62	2.59	2.56	2.50	2.46	2.37	2.28
155	1.85	1.90	1.97	2.01	2.05	2.07	2.09	2.10	2.11	2.11	2.11	2.11	2.10	2.07	2.04	1.98	1.94	1.85	1.78
160	1.35	1.41	1.50	1.53	1.57	1.58	1.59	1.61	1.61	1.61	1.61	1.59	1.59	1.57	1.55	1.49	1.46	1.38	1.32
165	0.89	0.99	1.03	1.11	1.09	1.12	1.15	1.16	1.17	1.17	1.18	1.16	1.14	1.10	1.06	1.06	1.04	0.97	0.92
170	0.43	0.51	0.58	0.67	0.72	0.79	0.81	0.81	0.78	0.81	0.84	0.82	0.84	0.87	0.85	0.68	0.62	0.56	0.52
175	0.22	0.25	0.30	0.36	0.42	0.46	0.48	0.51	0.50	0.50	0.51	0.55	0.55	0.54	0.52	0.51	0.46	0.36	0.38
180	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154		
5	153	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154		
10	151	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152		
15	148	148	148	149	149	149	149	149	149	149	149	149	150	150	149	149	149		
20	144	144	144	144	144	145	145	145	145	145	145	145	145	145	145	145	145		
25	138	138	138	138	138	139	139	139	139	139	139	140	140	139	139	139	139		
30	131	131	131	131	131	132	132	132	132	132	133	132	133	133	133	133	133		
35	123	123	123	123	124	124	124	124	124	125	125	125	125	125	125	125	125		
40	114	114	114	115	115	115	116	115	116	116	116	116	116	116	116	116	116		
45	104	105	105	105	105	105	106	106	106	106	106	107	107	107	107	107	107		
50	94.2	94.4	94.3	94.5	95.0	95.1	95.4	95.4	95.7	95.9	96.0	96.3	96.3	96.4	96.8	96.3	96.2		
55	83.1	83.4	83.6	83.5	83.9	83.9	84.3	84.5	84.7	85.0	84.9	85.1	85.1	85.4	85.3	85.4	85.4		
60	71.6	71.8	72.0	72.0	72.4	72.5	72.7	72.8	73.1	73.4	73.4	73.7	73.8	73.8	73.8	73.7	73.9		
65	59.8	59.8	59.9	60.0	60.3	60.4	60.6	60.8	60.9	61.1	61.3	61.6	61.7	61.8	61.8	61.8	61.8		
70	47.6	47.6	47.7	47.8	48.0	48.1	48.3	48.4	48.5	48.8	48.9	49.2	49.3	49.5	49.4	49.5	49.6		
75	35.6	35.6	35.6	35.6	35.8	35.9	36.1	36.2	36.3	36.5	36.6	36.9	37.0	37.2	37.2	37.2	37.3		
80	24.2	24.2	24.3	24.3	24.4	24.4	24.6	24.6	24.8	24.9	25.1	25.3	25.4	25.6	25.6	25.7	25.7		
85	14.5	14.5	14.5	14.5	14.6	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.6		
90	8.81	8.79	8.77	8.77	8.81	8.86	8.93	8.98	9.02	9.06	9.08	9.12	9.13	9.14	9.13	9.12	9.11		
95	7.74	7.73	7.71	7.70	7.72	7.72	7.73	7.74	7.75	7.76	7.75	7.76	7.74	7.73	7.70	7.67	7.66		
100	7.36	7.34	7.32	7.30	7.32	7.31	7.33	7.34	7.34	7.35	7.34	7.34	7.33	7.32	7.30	7.28	7.26		
105	6.95	6.93	6.90	6.89	6.90	6.89	6.91	6.91	6.92	6.93	6.92	6.92	6.92	6.90	6.88	6.88	6.88		
110	6.52	6.49	6.46	6.44	6.44	6.44	6.46	6.46	6.46	6.47	6.47	6.47	6.47	6.47	6.45	6.44	6.44		
115	6.06	6.03	6.00	5.97	5.96	5.96	5.98	5.98	5.98	6.00	5.99	6.00	6.00	6.00	5.99	5.99	6.01		
120	5.58	5.55	5.51	5.48	5.47	5.46	5.47	5.47	5.49	5.49	5.49	5.50	5.51	5.51	5.51	5.51	5.53		
125	5.07	5.04	5.00	4.97	4.95	4.89	4.94	4.96	4.96	4.98	4.97	4.98	4.99	5.00	5.01	5.02	5.04		
130	4.55	4.51	4.47	4.44	4.06	4.33	4.39	4.42	4.43	4.44	4.44	4.45	4.46	4.48	4.49	4.50	4.53		
135	3.81	3.85	3.82	3.57	3.68	3.77	3.83	3.86	3.88	3.89	3.89	3.91	3.92	3.94	3.96	3.97	4.01		
140	3.29	3.20	3.12	2.95	3.17	3.21	3.27	3.30	3.32	3.34	3.34	3.36	3.38	3.40	3.41	3.43	3.48		
145	2.68	2.54	2.47	2.47	2.64	2.67	2.70	2.74	2.76	2.78	2.79	2.80	2.82	2.85	2.87	2.88	2.93		
150	2.20	2.12	2.04	2.02	2.12	2.13	2.16	2.18	2.20	2.23	2.24	2.25	2.27	2.29	2.33	2.34	2.40		
155	1.72	1.64	1.60	1.56	1.61	1.62	1.64	1.64	1.66	1.69	1.71	1.72	1.73	1.74	1.80	1.82	1.87		
160	1.25	1.19	1.13	1.11	1.14	1.14	1.12	1.12	1.15	1.17	1.20	1.22	1.20	1.21	1.29	1.32	1.37		
165	0.88	0.73	0.67	0.66	0.69	0.71	0.71	0.71	0.73	0.78	0.74	0.75	0.75	0.73	0.73	0.79	0.87		
170	0.51	0.47	0.43	0.41	0.39	0.40	0.41	0.46	0.41	0.40	0.39	0.35	0.35	0.37	0.40	0.41	0.43		
175	0.38	0.36	0.32	0.29	0.24	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.20	0.21	0.21		
180	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Oliver  
 Test Date: 2019-12-31

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.499m [K=1.0000]  
 Remarks: