

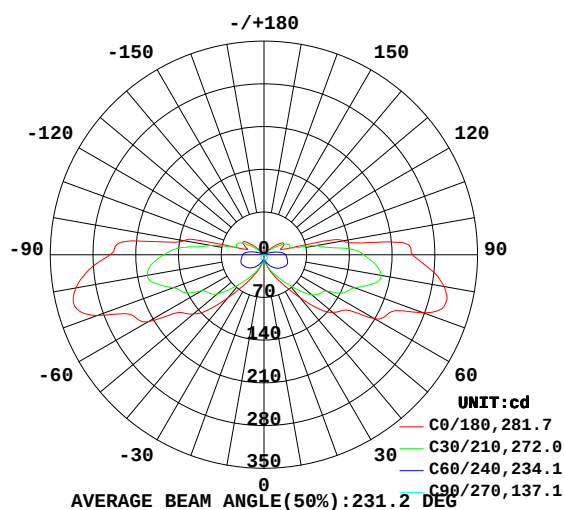
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.95V I:0.1909A P:21.373W PF:0.9334 Freq:60.00Hz UTHdi:0.00% ITHDi:0.00% Lamp Flux:646.67x1 lm

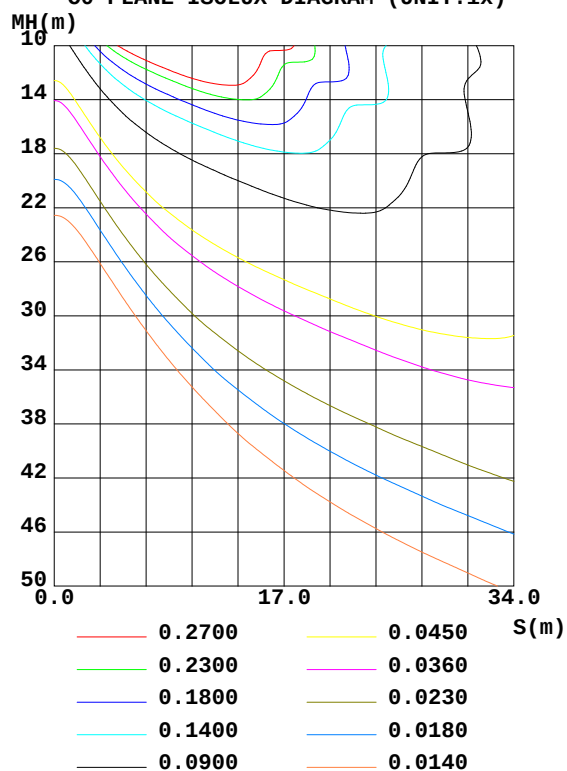
NAME: WS-42114	TYPE: Surface-mounted Luminaire	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 30.26 lm/W
MODEL		I _{max} (cd)	322.0	S/MH(C0/180)	7.78	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.78	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	646.67	η UP, DN(C0-180)	12.7, 37.0	
NOMINAL FLUX(lm)	646.67	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.0, 38.3	
LAMPS INSIDE	1	η up(%)	24.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	75.3	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:2.514m [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	11.81	9.627	7.263	9.176	12.19	10.51	7.960	9.901	0- 10	0.8040	0.8040	0.12, 0.12
20	25.72	17.79	8.218	15.88	26.14	18.85	9.223	17.03	10- 20	3.867	4.671	0.72, 0.72
30	48.15	29.70	8.634	25.41	48.64	30.46	9.665	27.33	20- 30	10.64	15.31	2.37, 2.37
40	92.51	42.92	8.005	35.46	91.76	43.67	8.888	38.15	30- 40	22.89	38.20	5.91, 5.91
50	151.2	57.96	6.690	45.55	146.6	60.35	7.502	49.52	40- 50	43.80	82.00	12.7, 12.7
60	220.0	69.95	4.812	54.16	210.5	71.92	5.580	58.11	50- 60	65.99	148.0	22.9, 22.9
70	291.8	79.39	2.955	57.12	278.5	81.31	3.609	63.65	60- 70	93.77	241.8	37.4, 37.4
80	312.8	87.54	1.064	58.55	299.9	90.18	1.408	66.67	70- 80	123.3	365.1	56.5, 56.5
90	252.4	74.57	0	53.36	243.4	75.43	0	56.35	80- 90	122.0	487.1	75.3, 75.3
100	133.1	51.03	0	38.12	132.0	47.44	0	42.76	90-100	88.99	576.1	89.1, 89.1
110	29.33	35.87	0	23.92	29.68	31.58	0	27.12	100-110	36.00	612.1	94.7, 94.7
120	39.97	16.05	0.0088	9.735	37.36	13.74	0.0190	10.25	110-120	20.17	632.3	97.8, 97.8
130	25.25	3.024	0.0318	1.652	22.02	2.534	0.0645	0.9650	120-130	11.20	643.5	99.5, 99.5
140	4.959	0.0340	0.0646	0.0017	4.259	0.0424	0.1000	0.0207	130-140	2.939	646.4	100, 100
150	0	0.0023	0.1017	0.0055	0	0.0424	0.1236	0.0214	140-150	0.1708	646.6	100, 100
160	0	0.0094	0.1119	0.1360	0	0.1205	0.1337	0.0419	150-160	0.0480	646.6	100, 100
170	0.0290	0.0059	0.1105	0.0299	0	0	0.1262	0.0478	160-170	0.0391	646.7	100, 100
180	0	0.0029	0.0865	0.0040	0	0	0.0768	0.0224	170-180	0.0043	646.7	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 57.002 lm

%lum = 8.8%

%lamp = 8.8%

Conical surface Flux(120deg): 147.99 lm

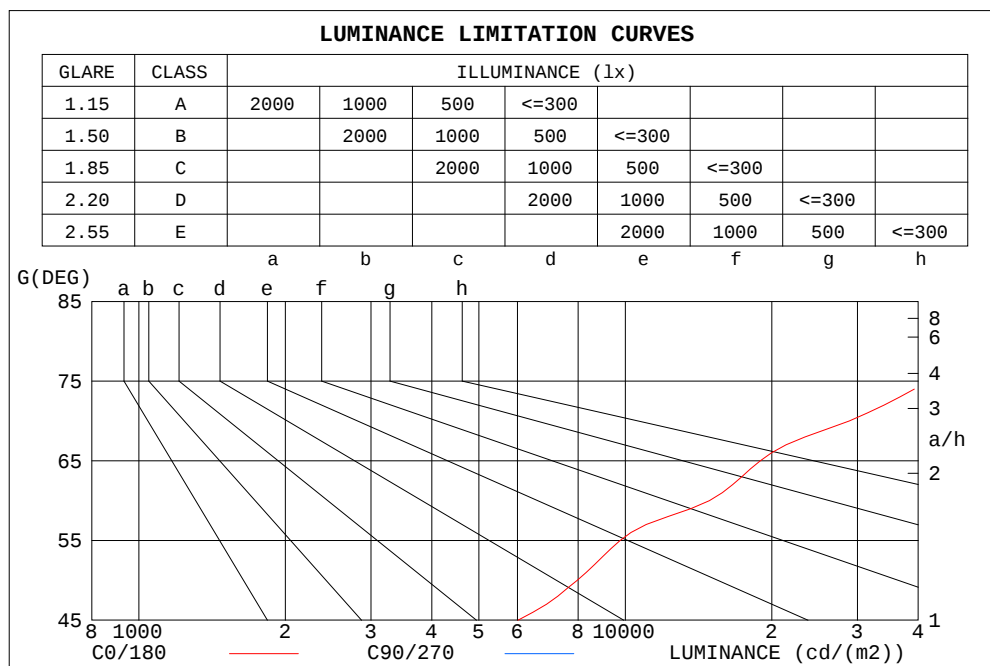
%lum = 22.9%

%lamp = 22.9%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



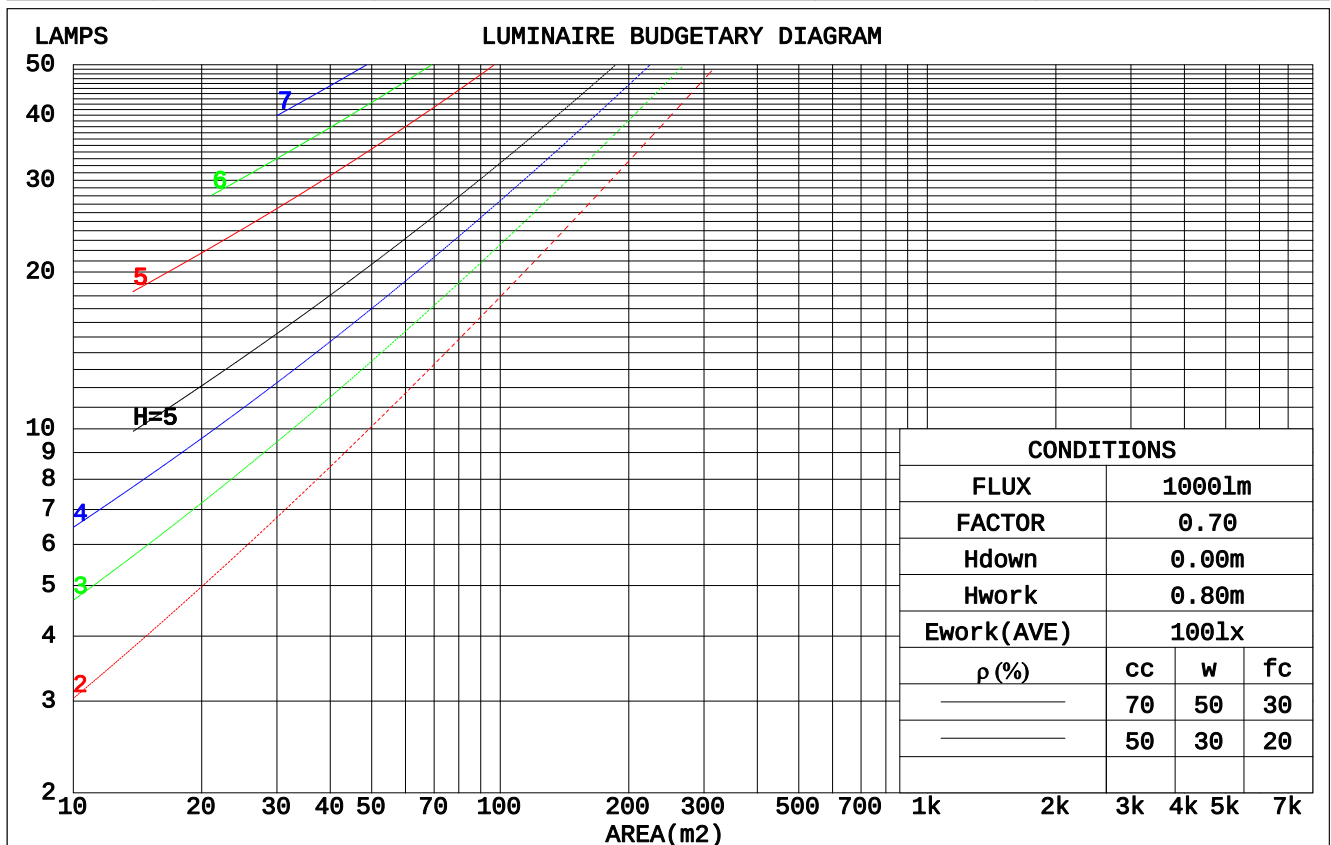
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	111917	115
80	60952	204
75	42055	256
70	28870	287
65	18945	308
60	14888	320
55	9753	334
50	7958	346
45	6017	348

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [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	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.85	.77	.70	.80	.73	.66	.71	.65	.59	.62	.57	.53	.54	.51	.47	.43
2.0	.68	.58	.49	.64	.54	.46	.56	.48	.41	.49	.42	.37	.42	.37	.32	.28
3.0	.57	.45	.36	.53	.43	.34	.46	.38	.30	.40	.33	.27	.34	.28	.23	.19
4.0	.49	.37	.28	.45	.35	.27	.39	.31	.23	.34	.27	.20	.29	.23	.17	.14
5.0	.42	.31	.23	.39	.29	.21	.34	.25	.19	.30	.22	.16	.25	.19	.14	.10
6.0	.37	.26	.19	.35	.25	.17	.30	.22	.15	.26	.19	.13	.22	.16	.11	.08
7.0	.33	.23	.16	.31	.21	.15	.27	.19	.13	.23	.16	.11	.20	.14	.09	.06
8.0	.30	.20	.13	.28	.19	.12	.24	.16	.11	.21	.14	.09	.18	.12	.08	.05
9.0	.27	.18	.11	.25	.17	.11	.22	.15	.09	.19	.13	.08	.17	.11	.07	.04
10.0	.25	.16	.10	.23	.15	.09	.20	.13	.08	.18	.11	.07	.15	.10	.06	.04



C Range: 0 - 360DEG
 C Interval: 10.0DEG
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 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks:

WEC AND CCEC

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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.566	.322	.102	.551	.314	.100	.522	.300	.096	.496	.286	.092	.472	.274	.088		
2.0	.447	.245	.075	.433	.239	.074	.407	.226	.070	.383	.215	.067	.361	.204	.064		
3.0	.375	.200	.060	.363	.194	.058	.339	.184	.056	.317	.174	.053	.297	.164	.051		
4.0	.325	.169	.050	.313	.164	.048	.292	.155	.046	.272	.146	.044	.253	.138	.042		
5.0	.286	.146	.042	.276	.142	.041	.256	.134	.039	.238	.126	.037	.221	.118	.036		
6.0	.256	.129	.037	.247	.125	.036	.229	.117	.034	.212	.110	.032	.197	.104	.031		
7.0	.232	.115	.033	.224	.111	.032	.207	.105	.030	.192	.098	.029	.177	.092	.027		
8.0	.212	.104	.029	.204	.101	.028	.189	.095	.027	.175	.089	.026	.162	.083	.024		
9.0	.195	.094	.026	.188	.092	.026	.174	.086	.024	.161	.081	.023	.149	.076	.022		
10.0	.181	.087	.024	.174	.084	.023	.161	.079	.022	.149	.074	.021	.138	.069	.020		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.378	.378	.378	.323	.323	.323	.221	.221	.221	.127	.127	.127	.041	.041	.041	
1.0	.388	.343	.304	.332	.295	.261	.227	.203	.181	.131	.117	.105	.042	.038	.034	
2.0	.384	.322	.270	.329	.277	.233	.225	.192	.163	.130	.112	.095	.042	.036	.031	
3.0	.377	.307	.251	.323	.265	.218	.222	.184	.153	.128	.107	.090	.041	.035	.029	
4.0	.368	.295	.240	.316	.255	.208	.217	.178	.147	.126	.104	.087	.040	.034	.029	
5.0	.359	.286	.232	.309	.248	.202	.213	.173	.143	.123	.102	.085	.040	.033	.028	
6.0	.351	.279	.227	.301	.241	.198	.208	.169	.140	.121	.099	.083	.039	.032	.027	
7.0	.342	.272	.223	.295	.236	.194	.204	.165	.138	.118	.097	.082	.038	.032	.027	
8.0	.335	.267	.220	.288	.231	.192	.199	.162	.136	.116	.096	.081	.038	.031	.027	
9.0	.327	.262	.218	.282	.227	.190	.195	.160	.135	.114	.094	.080	.037	.031	.027	
10.0	.321	.258	.216	.277	.224	.188	.192	.158	.134	.112	.093	.080	.036	.031	.026	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [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	22.0	23.5	22.6	24.2	24.9	8.8	10.3	9.4	10.9	11.7
3H	27.2	28.6	27.8	29.3	30.1	9.8	11.2	10.4	11.9	12.7
4H	30.1	31.5	30.8	32.2	33.0	10.1	11.5	10.8	12.2	13.0
6H	32.7	34.1	33.4	34.8	35.6	10.2	11.6	10.9	12.3	13.1
8H	34.0	35.3	34.7	36.0	36.8	10.3	11.5	10.9	12.2	13.1
12H	35.3	36.6	36.0	37.3	38.1	10.2	11.5	10.9	12.2	13.1
4H 2H	22.0	23.4	22.6	24.1	24.9	14.7	16.1	15.4	16.8	17.6
3H	27.5	28.8	28.2	29.5	30.3	15.9	17.1	16.6	17.8	18.7
4H	30.7	31.9	31.4	32.6	33.5	16.4	17.5	17.1	18.3	19.2
6H	33.7	34.8	34.5	35.6	36.5	16.7	17.7	17.4	18.5	19.4
8H	35.2	36.2	35.9	37.0	37.9	16.7	17.7	17.5	18.5	19.4
12H	36.7	37.7	37.5	38.4	39.4	16.7	17.6	17.5	18.4	19.4
8H 4H	30.7	31.7	31.5	32.5	33.4	21.5	22.5	22.2	23.2	24.2
6H	34.1	34.9	34.8	35.7	36.7	22.0	22.9	22.8	23.7	24.6
8H	35.8	36.6	36.6	37.4	38.4	22.2	23.0	23.0	23.8	24.8
12H	37.7	38.4	38.5	39.2	40.2	22.3	23.0	23.1	23.8	24.8
12H 4H	30.7	31.6	31.4	32.4	33.3	23.7	24.6	24.4	25.4	26.3
6H	34.1	34.9	34.8	35.7	36.6	24.5	25.3	25.3	26.1	27.1
8H	35.9	36.6	36.7	37.4	38.4	24.8	25.5	25.6	26.3	27.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.1				
2.0H	+ 0.3 / - 0.4					+ 0.5 / - 0.4				

CIE Pub.117, 646.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.5)
Area: 0.03 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Oliver
Test Date:2020-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:2.514m [K=1.0000]
Remarks:

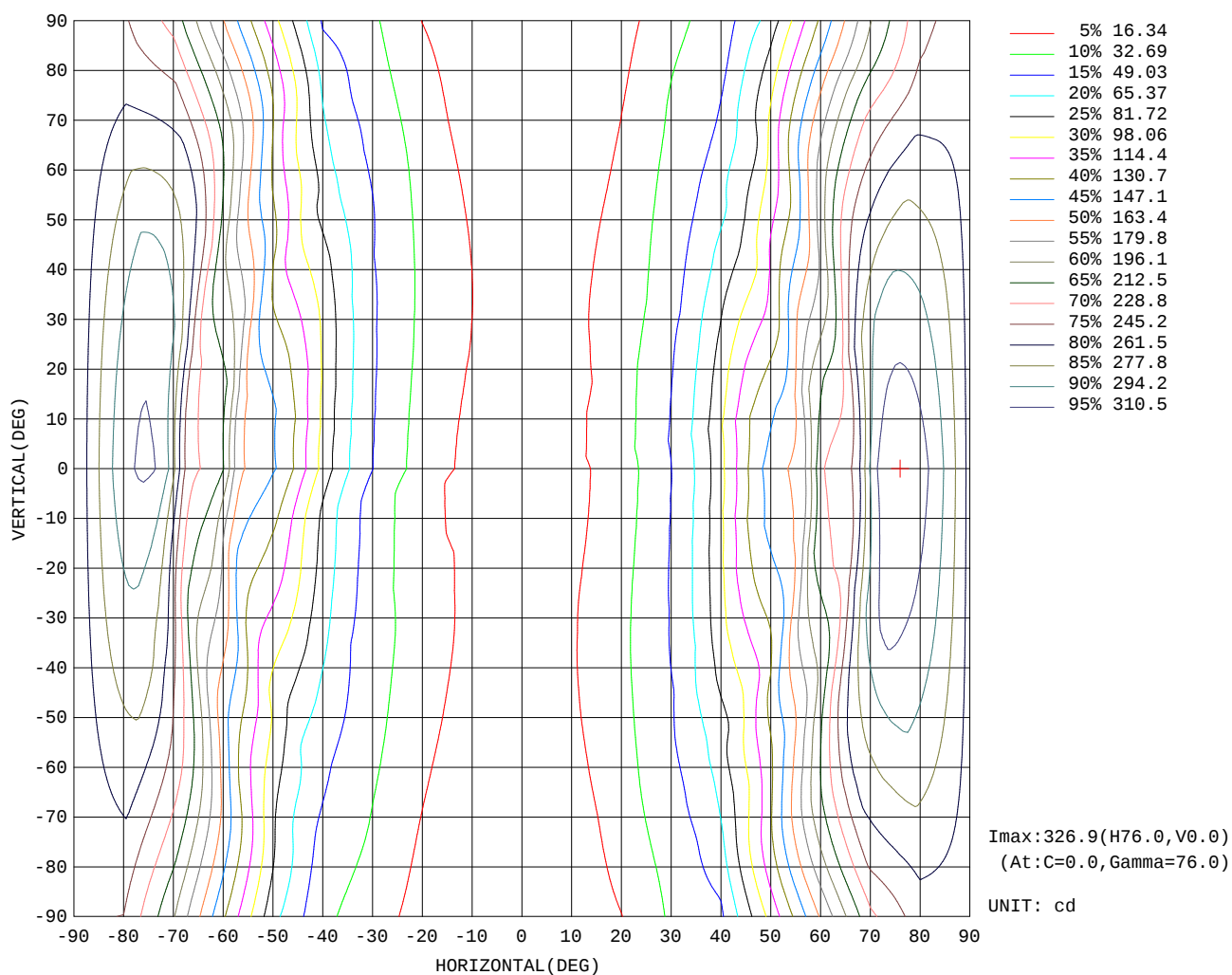
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	35	21	12	34	20	12	32	19	12	4
0.80	43	27	17	41	26	17	38	25	16	7
1.00	49	33	22	47	32	22	43	33	21	10
1.25	56	39	28	53	38	27	49	35	26	14
1.50	61	45	33	58	43	32	53	40	30	18
2.00	70	54	42	66	52	41	60	48	38	24
2.50	75	61	49	71	58	47	64	53	44	29
3.00	80	66	55	76	63	53	68	58	49	33
4.00	86	74	64	81	70	61	73	64	56	39
5.00	90	79	70	85	76	67	76	69	62	44
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
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 Operators: Oliver
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γ Range: 0 - 180DEG
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 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
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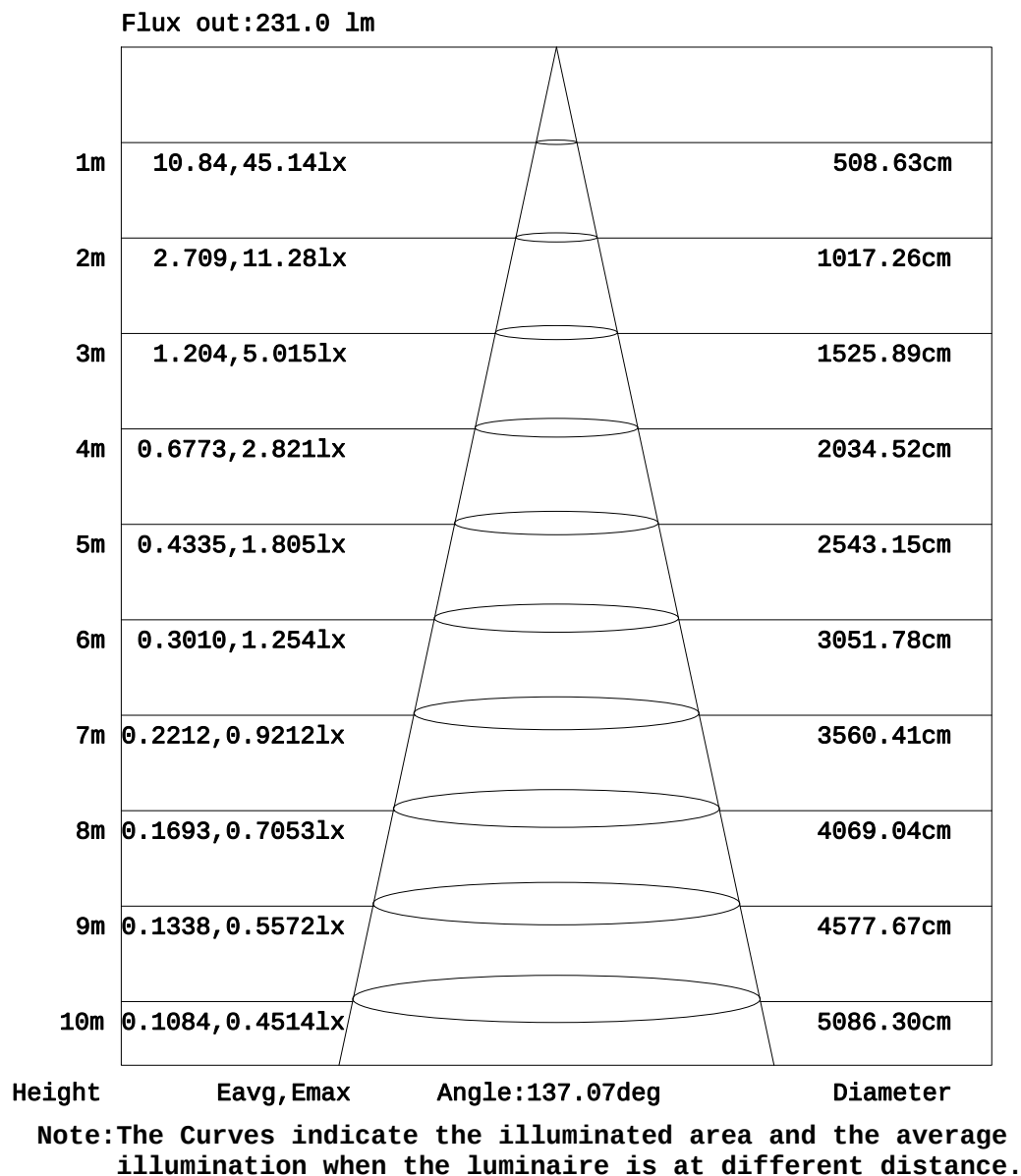
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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Humidity: 65.0%
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Remarks:

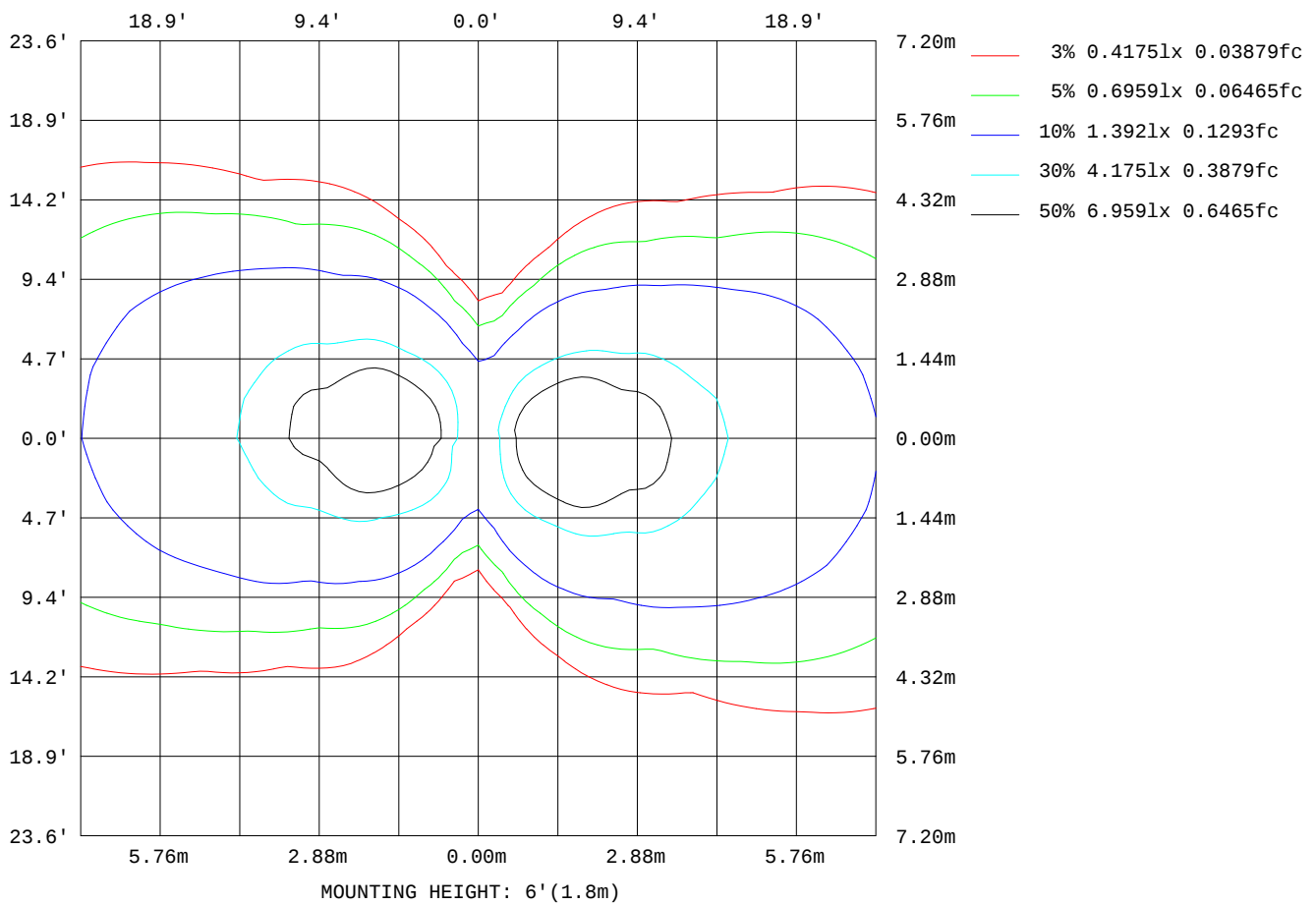
AAI Figure



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:2.514m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2020-09-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.95V I:0.1909A P:21.373W PF:0.9334 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% Lamp Flux:646.67x1 lm		
NAME: WS-42114	TYPE: Surface-mounted Luminaire	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: WAC Lighting	SUR.:	Shielding Angle:

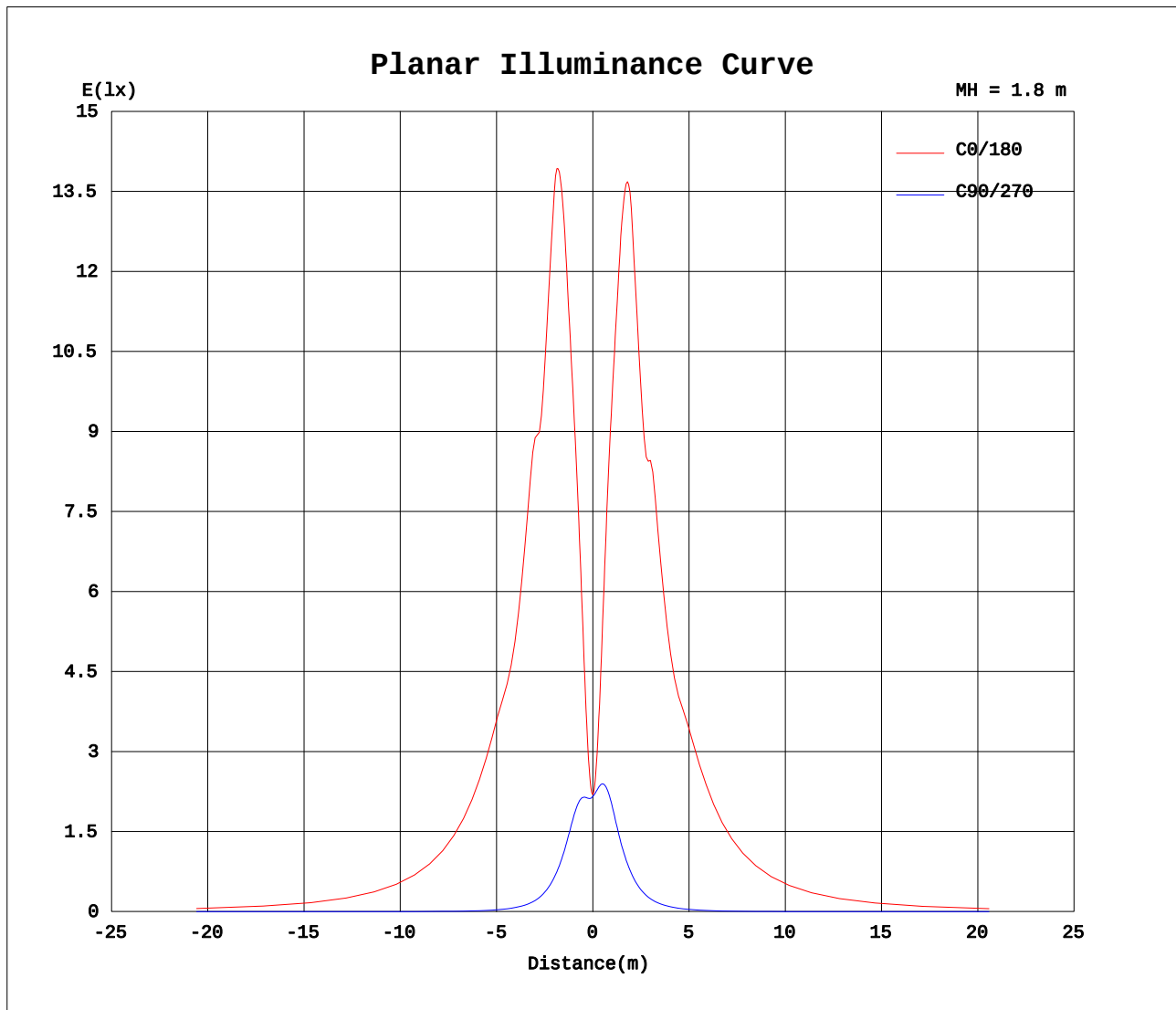
AvgL	cd/m2
L_0~180(65)av	18246
L_0~180(75)av	40548
L_0~180(85)av	107384
L_90~270(65)av	337
L_90~270(75)av	293
L_90~270(85)av	149
L_45(65)av	5159
L_45(75)av	8908
L_45(85)av	26554

Standard: GB/T 29293-2012

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γ Range: 0 - 180DEG
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 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:2.514m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 2.514m [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	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02
5	8.18	8.14	8.03	7.85	7.64	7.44	7.24	7.09	6.99	6.98	7.04	7.17	7.38	7.62	7.28	7.38	7.49	7.55	8.40
10	11.8	11.7	11.4	10.8	10.0	9.23	8.47	7.83	7.42	7.26	7.41	7.83	8.49	9.32	9.03	9.59	10.1	10.5	12.2
15	17.7	17.6	16.8	15.6	14.0	12.2	10.5	9.10	8.13	7.74	7.99	8.86	10.2	12.0	12.1	13.5	14.7	15.5	18.1
20	25.7	25.5	24.2	22.0	19.3	16.3	13.3	10.7	8.96	8.22	8.60	10.1	12.4	15.3	16.4	18.9	21.1	22.5	26.1
25	35.5	35.2	33.1	29.8	25.7	21.2	16.6	12.6	9.78	8.55	9.11	11.4	14.9	19.3	21.6	25.4	28.8	31.2	36.2
30	48.1	47.4	44.0	38.8	32.8	26.6	20.3	14.6	10.5	8.63	9.43	12.6	17.6	23.6	27.3	32.8	38.1	41.9	48.6
35	65.9	64.5	58.4	49.5	40.4	32.1	24.0	16.5	10.9	8.44	9.48	13.8	20.2	27.7	33.2	41.3	49.6	56.0	66.1
40	92.5	90.0	78.6	63.2	48.6	37.2	27.4	18.2	11.2	8.01	9.30	14.7	22.7	31.5	39.4	51.5	64.8	75.9	91.8
45	126	122	105	80.8	57.9	42.0	30.5	19.6	11.2	7.41	8.92	15.4	24.8	35.1	45.9	63.8	84.6	102	124
50	151	146	127	100	69.2	46.7	33.1	20.7	11.0	6.69	8.39	15.8	26.6	38.3	52.7	77.6	106	129	147
55	165	159	138	110	80.3	51.6	35.4	21.5	10.6	5.77	7.68	16.0	28.1	41.4	59.6	89.0	118	141	159
60	220	209	167	118	83.9	55.9	37.4	22.0	9.99	4.81	6.85	15.7	29.3	43.5	64.7	92.7	125	159	210
65	237	227	193	146	94.2	56.8	39.1	22.0	9.13	3.91	5.94	15.1	30.1	44.2	65.3	106	158	201	226
70	292	271	222	158	102	56.9	39.9	21.6	8.09	2.95	4.86	14.2	30.4	43.2	70.9	118	171	219	278
75	322	307	258	183	110	56.3	39.2	21.2	7.03	1.99	3.86	13.2	30.6	41.4	72.8	130	207	271	308
80	313	300	263	194	120	55.3	37.7	20.3	5.91	1.06	2.91	12.0	30.0	39.4	77.5	148	225	282	300
85	288	280	251	185	116	51.9	36.3	18.6	4.73	0.30	1.96	10.4	28.3	37.7	78.5	147	218	269	273
90	252	251	223	164	103	46.1	35.1	15.9	3.48	0.00	1.05	8.50	25.5	36.0	70.6	134	199	246	243
95	236	229	193	135	80.1	42.8	32.5	12.5	2.20	0.00	0.17	6.23	21.3	34.8	56.5	115	175	227	229
100	133	132	114	88.9	61.1	41.0	26.5	8.67	0.93	0.00	0.00	3.91	15.8	31.6	44.6	78.8	109	136	132
105	43.3	42.5	43.4	48.4	50.8	36.0	18.6	5.17	0.00	0.00	0.00	1.73	10.01	24.2	38.3	47.5	52.9	70.2	38.7
110	29.3	30.1	37.8	48.1	45.0	26.7	11.4	2.20	0.00	0.00	0.00	0.22	5.24	15.3	32.5	43.9	39.2	32.0	29.7
115	35.4	35.9	41.5	46.1	34.2	17.2	5.67	0.35	0.01	0.00	0.00	0.00	1.82	8.88	23.9	38.8	41.0	36.3	34.8
120	40.0	39.7	40.9	36.3	22.4	9.65	1.72	0.01	0.01	0.01	0.01	0.01	0.15	3.91	15.5	28.9	37.9	37.9	37.4
125	37.1	35.5	31.7	23.7	12.8	3.79	0.10	0.02	0.02	0.02	0.02	0.01	0.01	0.58	8.74	18.8	28.3	33.3	32.5
130	25.3	24.0	19.9	12.9	5.46	0.59	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.05	3.25	10.5	17.7	22.9	22.0
135	13.6	12.7	9.75	5.07	1.08	0.05	0.01	0.03	0.05	0.05	0.04	0.03	0.01	0.01	0.55	4.01	9.09	13.0	11.9
140	4.96	4.48	2.68	0.83	0.07	0.00	0.02	0.05	0.19	0.06	0.05	0.04	0.02	0.00	0.00	0.61	2.63	5.13	4.26
145	0.31	0.25	0.07	0.00	0.00	0.00	0.03	0.07	0.26	0.09	0.07	0.05	0.02	0.01	0.00	0.00	0.13	0.54	0.23
150	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.16	0.14	0.10	0.08	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.01	0.93	0.15	0.13	0.12	0.10	0.08	0.14	0.06	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.02	0.33	0.31	0.11	0.11	0.10	0.08	0.05	0.13	0.14	0.00	0.00	0.00	0.00
165	0.50	1.21	1.62	0.85	0.00	0.01	0.05	0.08	0.10	0.11	0.10	0.08	0.05	0.01	0.09	0.00	0.00	0.00	0.00
170	0.03	0.40	0.82	0.32	0.00	0.01	0.04	0.08	0.10	0.11	0.10	0.08	0.05	0.01	0.04	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.06	0.09	0.09	0.09	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.08	0.09	0.08	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [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	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02		
5	8.41	8.38	8.28	8.13	7.95	7.77	7.60	7.46	7.36	7.33	7.35	7.41	7.51	8.19	8.48	8.70	8.88		
10	12.2	12.0	11.5	10.9	10.1	9.40	8.75	8.25	7.96	7.91	8.11	8.50	9.04	10.8	11.7	12.4	13.0		
15	18.1	17.5	16.3	14.9	13.2	11.7	10.3	9.22	8.64	8.62	9.17	10.2	11.5	14.4	16.3	17.9	19.0		
20	26.0	24.8	22.9	20.3	17.4	14.5	12.1	10.2	9.22	9.29	10.4	12.3	14.7	19.4	22.6	25.2	27.1		
25	35.8	33.8	30.6	26.6	22.3	17.9	14.1	11.1	9.61	9.81	11.7	14.7	18.7	25.2	29.9	34.0	37.0		
30	47.9	44.7	39.5	33.5	27.4	21.4	16.0	11.8	9.67	10.1	12.9	17.4	23.2	31.5	38.2	44.5	49.6		
35	65.1	59.2	50.5	41.0	32.6	24.9	17.8	12.2	9.38	10.01	13.9	20.2	27.7	37.8	47.7	58.2	67.4		
40	89.8	79.8	64.9	49.7	37.7	28.1	19.4	12.4	8.89	9.74	14.8	22.8	32.0	44.3	59.6	77.0	92.6		
45	121	106	83.5	60.2	42.8	31.2	20.8	12.4	8.28	9.36	15.5	25.1	35.9	51.4	74.0	99.9	122		
50	144	127	102	72.3	48.4	34.0	21.8	12.1	7.50	8.81	16.0	27.2	39.8	59.2	88.4	118	143		
55	156	138	111	82.4	54.2	36.5	22.5	11.6	6.56	8.04	16.1	28.9	43.5	66.8	96.4	127	156		
60	204	165	119	85.4	58.4	38.9	22.8	10.8	5.58	7.15	15.9	30.4	46.6	69.5	106	157	204		
65	223	193	146	95.7	58.9	40.6	22.7	9.87	4.63	6.23	15.5	31.6	48.4	75.2	124	176	222		
70	267	221	158	103	59.2	41.0	22.2	8.80	3.61	5.17	14.9	32.2	47.8	79.4	134	207	274		
75	301	259	185	111	58.6	40.0	21.7	7.70	2.56	4.18	14.1	32.7	46.0	84.1	158	237	298		
80	294	263	195	122	58.1	38.6	20.8	6.52	1.41	3.19	13.0	32.3	43.7	89.5	163	237	291		
85	270	246	184	117	54.7	37.2	18.8	5.25	0.48	2.24	11.6	30.9	41.8	84.3	152	221	268		
90	244	221	163	104	47.0	35.5	16.0	3.88	0.00	1.36	9.61	28.5	40.3	72.3	134	196	241		
95	221	186	129	77.2	41.9	32.1	12.4	2.44	0.00	0.49	7.24	24.7	39.3	58.6	95.5	134	176		
100	131	113	86.3	56.2	38.7	25.2	8.45	1.00	0.00	0.00	4.73	19.2	37.3	48.2	65.6	95.0	120		
105	36.4	39.1	44.9	45.9	32.9	16.9	4.97	0.00	0.00	0.00	2.42	12.9	30.3	43.5	52.6	44.3	35.4		
110	30.7	37.4	44.9	39.8	23.3	10.1	2.04	0.00	0.00	0.00	0.61	7.23	20.4	33.8	49.7	45.9	36.5		
115	35.9	40.6	42.0	29.6	14.9	4.93	0.27	0.00	0.00	0.01	0.01	2.99	12.5	23.2	39.9	45.5	40.6		
120	38.2	38.7	32.1	19.3	8.20	1.36	0.02	0.02	0.02	0.02	0.02	0.44	6.22	14.3	27.5	38.4	41.1		
125	32.1	28.5	20.5	11.0	3.08	0.10	0.03	0.03	0.04	0.04	0.04	0.02	1.62	6.95	16.5	26.0	31.6		
130	21.1	17.2	11.1	4.57	0.49	0.03	0.04	0.05	0.06	0.06	0.05	0.03	0.19	1.73	7.86	14.6	19.3		
135	11.1	8.25	4.24	0.93	0.05	0.05	0.07	0.06	0.09	0.12	0.07	0.04	0.02	0.25	1.95	5.88	9.10		
140	3.82	2.24	0.74	0.06	0.02	0.09	0.14	0.08	0.10	0.35	0.09	0.06	0.03	0.01	0.14	0.86	2.19		
145	0.18	0.06	0.01	0.01	0.03	0.15	0.18	0.11	0.12	0.13	0.15	0.07	0.03	0.01	0.01	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.08	0.24	0.16	0.13	0.12	0.16	0.21	0.10	0.04	0.01	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.03	0.19	0.29	0.16	0.14	0.13	0.12	0.85	1.40	0.05	0.02	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.15	0.09	0.05	0.07	0.13	0.13	0.13	0.11	0.09	0.05	0.03	0.02	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.11	0.19	0.10	0.12	0.13	0.14	0.12	0.09	0.06	0.05	0.92	0.64	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.08	0.13	0.14	0.12	0.09	0.06	0.03	0.01	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.08	0.10	0.10	0.09	0.06	0.02	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.08	0.09	0.08	0.06	0.04	0.01	0.00	0.00	0.00		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2020-09-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 2.514m [K=1.0000]
 Remarks: