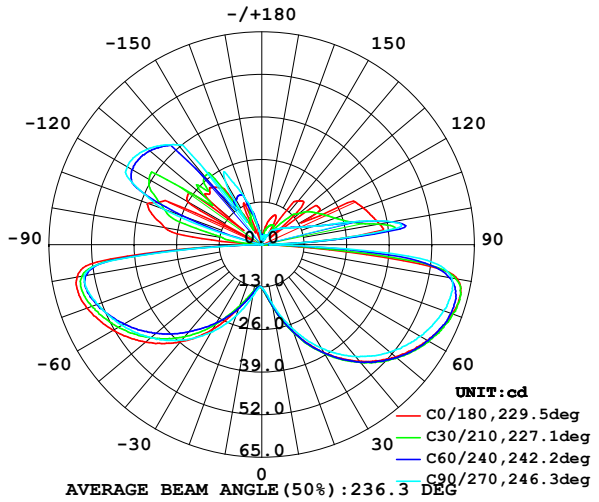
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1399A P:15.49W PF:0.9169 Lamp Flux:402.46x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

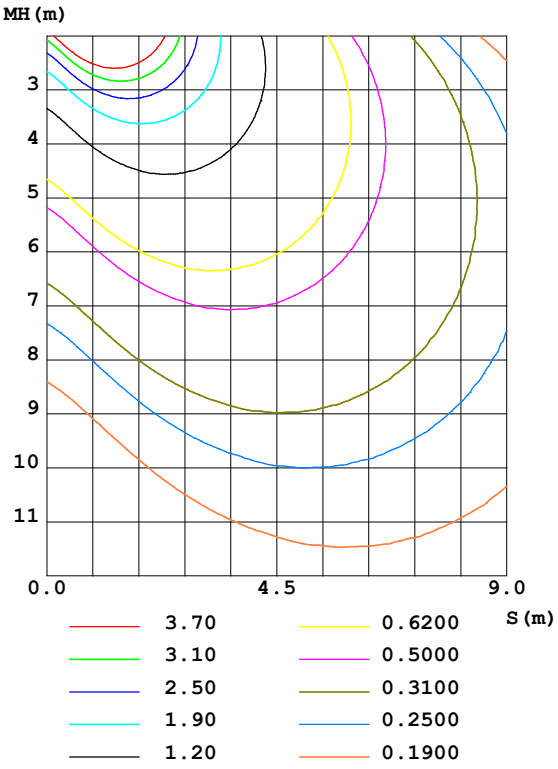
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 25.98 lm/W	
MODEL		Imax(cd)	62.88	S/MH(C0/180)	3.45
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	3.41
RATED VOLTAGE(V)		TOTAL FLUX(lm)	402.46	η UP,DN(C0-180)	13.1,36.1
NOMINAL FLUX(lm)	402.46	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	17.7,33.1
LAMPS INSIDE	1	η up(%)	30.8	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)		η down(%)	69.2	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):236.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

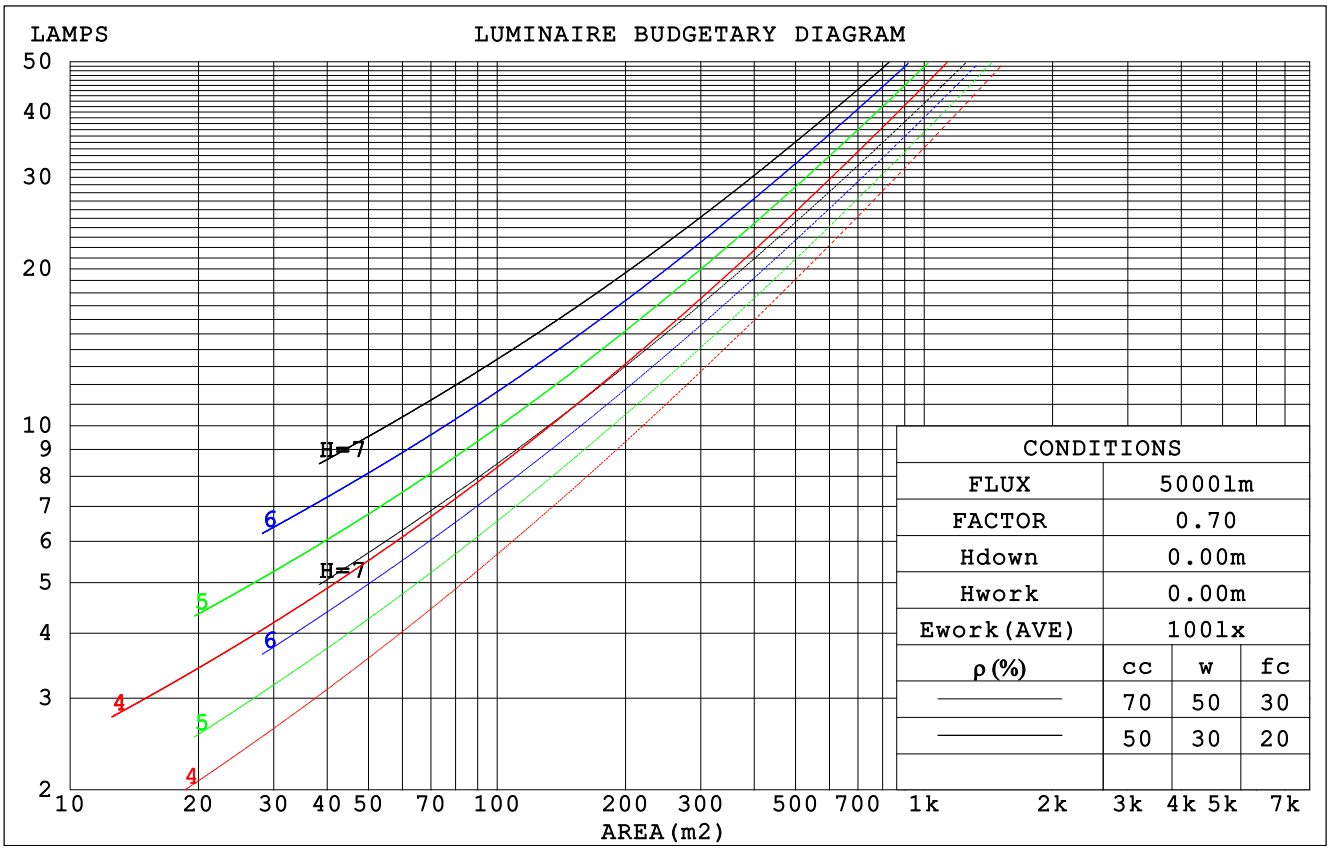
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	15.52	15.46	14.88	13.81	13.10	12.95	13.57	14.33	0- 5	0.3270	0.3270	0.08,0.08
10	19.06	19.19	18.26	16.21	14.61	14.50	16.01	17.42	5- 10	1.112	1.439	0.36,0.36
15	23.54	23.77	22.59	19.55	17.33	17.06	19.39	21.40	10- 15	2.226	3.666	0.91,0.91
20	28.42	28.60	27.21	23.21	20.76	20.09	23.14	25.70	15- 20	3.728	7.394	1.84,1.84
25	33.34	33.74	31.97	27.05	25.10	23.49	27.07	30.10	20- 25	5.622	13.02	3.23,3.23
30	38.10	38.44	36.55	31.24	29.78	27.31	30.94	34.43	25- 30	7.886	20.90	5.19,5.19
35	42.48	42.90	40.80	35.61	34.43	31.46	34.62	38.51	30- 35	10.44	31.34	7.79,7.79
40	46.52	47.02	44.59	39.74	38.78	35.59	38.16	42.39	35- 40	13.19	44.54	11.1,11.1
45	50.19	50.71	48.00	43.60	42.72	39.53	41.34	45.92	40- 45	16.05	60.58	15.1,15.1
50	53.29	53.87	51.02	47.09	46.39	43.15	44.26	49.03	45- 50	18.91	79.49	19.8,19.8
55	56.12	56.67	53.72	50.25	49.52	46.50	46.94	51.87	50- 55	21.70	101.2	25.1,25.1
60	58.48	58.91	56.02	52.89	52.41	49.42	49.42	54.45	55- 60	24.33	125.5	31.2,31.2
65	60.46	60.70	57.72	55.13	54.79	52.06	51.50	56.35	60- 65	26.72	152.2	37.8,37.8
70	62.19	61.96	59.12	57.22	56.89	54.35	53.33	57.77	65- 70	28.82	181.1	45,45
75	62.61	62.29	59.83	58.38	57.93	55.87	54.96	58.11	70- 75	30.47	211.5	52.6,52.6
80	60.73	59.27	58.87	57.54	57.34	54.95	55.04	54.83	75- 80	31.14	242.7	60.3,60.3
85	26.42	37.76	48.56	44.16	41.21	36.65	35.32	29.50	80- 85	27.74	270.4	67.2,67.2
90	0.6131	1.874	2.476	0.9467	0.3094	0.1986	0.1131	0.1269	85- 90	7.936	278.4	69.2,69.2
95	26.92	30.00	27.02	20.38	12.31	1.746	0.1011	11.19	90- 95	2.940	281.3	69.9,69.9
100	36.53	38.52	40.39	34.79	30.03	5.018	0.0981	21.14	95-100	12.51	293.8	73,73
105	34.66	24.99	26.07	29.69	34.39	15.29	7.565	32.68	100-105	12.93	306.7	76.2,76.2
110	33.06	19.53	16.44	27.00	36.95	29.59	31.96	38.08	105-110	13.74	320.5	79.6,79.6
115	31.27	16.61	12.61	24.99	27.53	38.11	42.62	39.01	110-115	14.41	334.9	83.2,83.2
120	19.31	14.60	10.47	23.37	26.08	42.59	47.48	38.92	115-120	13.32	348.2	86.5,86.5
125	20.68	12.93	8.958	21.81	27.31	43.14	47.20	38.28	120-125	12.75	361.0	89.7,89.7
130	3.994	11.48	7.791	20.28	20.63	42.33	45.40	27.88	125-130	9.892	370.9	92.1,92.1
135	18.11	9.844	6.833	18.63	22.49	28.07	42.92	19.20	130-135	9.103	380.0	94.4,94.4
140	17.47	8.035	6.002	13.91	22.90	21.11	39.84	15.55	135-140	7.691	387.6	96.3,96.3
145	9.553	5.595	5.266	7.363	21.24	17.44	13.47	18.08	140-145	5.081	392.7	97.6,97.6
150	7.507	3.683	2.189	6.604	6.208	12.63	22.15	21.59	145-150	2.971	395.7	98.3,98.3
155	9.898	3.779	2.584	8.639	13.24	14.97	21.28	20.27	150-155	2.649	398.3	99,99
160	8.956	4.012	3.155	8.795	0.8801	10.94	15.13	10.78	155-160	2.079	400.4	99.5,99.5
165	7.097	3.550	3.000	7.534	3.399	9.191	8.766	4.167	160-165	1.197	401.6	99.8,99.8
170	4.660	1.582	2.560	4.582	3.933	4.470	4.549	3.966	165-170	0.6042	402.2	99.9,99.9
175	3.149	2.532	2.606	1.474	1.309	0.3415	1.374	1.795	170-175	0.1895	402.4	100,100
180	2.180	3.550	2.301	0.4024	2.199	2.584	1.857	0.7939	175-180	0.0377	402.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

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	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.83	.83	.83	.74	.74	.74	.69
1.0	.89	.83	.78	.84	.79	.74	.74	.70	.65	.65	.61	.58	.56	.53	.51	.46
2.0	.74	.65	.58	.69	.61	.54	.61	.54	.48	.53	.47	.43	.45	.41	.37	.33
3.0	.62	.52	.44	.58	.49	.42	.51	.43	.37	.44	.38	.33	.37	.33	.28	.25
4.0	.54	.43	.35	.50	.41	.33	.44	.36	.30	.38	.31	.26	.32	.27	.22	.19
5.0	.47	.37	.29	.44	.34	.27	.38	.30	.24	.33	.26	.21	.28	.22	.18	.15
6.0	.41	.31	.24	.39	.29	.23	.34	.26	.20	.29	.22	.18	.25	.19	.15	.12
7.0	.37	.27	.20	.35	.26	.19	.30	.23	.17	.26	.20	.15	.22	.17	.13	.10
8.0	.33	.24	.18	.31	.22	.17	.27	.20	.15	.23	.17	.13	.20	.15	.11	.08
9.0	.30	.21	.15	.28	.20	.14	.25	.18	.13	.21	.15	.11	.18	.13	.09	.07
10.0	.27	.19	.13	.26	.18	.13	.23	.16	.11	.20	.14	.10	.17	.12	.08	.06



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

WEC AND CCEC

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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.444	.253	.080	.428	.244	.077	.396	.227	.073	.367	.212	.068	.341	.198	.064	
2.0	.378	.207	.064	.363	.200	.062	.334	.186	.058	.308	.173	.054	.283	.160	.051	
3.0	.330	.176	.053	.316	.169	.051	.290	.157	.048	.266	.146	.045	.243	.135	.042	
4.0	.293	.152	.045	.280	.146	.043	.256	.136	.041	.234	.126	.038	.213	.116	.035	
5.0	.262	.134	.039	.251	.129	.038	.229	.119	.035	.209	.110	.033	.190	.101	.030	
6.0	.238	.119	.034	.227	.115	.033	.207	.106	.031	.189	.098	.029	.171	.090	.027	
7.0	.217	.108	.030	.208	.104	.030	.189	.096	.028	.172	.088	.026	.156	.081	.024	
8.0	.200	.098	.028	.191	.094	.027	.174	.087	.025	.158	.080	.023	.143	.074	.021	
9.0	.185	.090	.025	.177	.086	.024	.161	.080	.023	.147	.073	.021	.133	.067	.019	
10.0	.173	.083	.023	.165	.080	.022	.150	.074	.021	.136	.068	.019	.123	.062	.018	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.425	.425	.425	.364	.364	.364	.248	.248	.248	.143	.143	.143	.046	.046	.046	
1.0	.426	.392	.361	.365	.336	.310	.250	.231	.215	.144	.134	.125	.046	.043	.040	
2.0	.422	.370	.326	.362	.318	.282	.248	.220	.197	.143	.128	.115	.046	.041	.038	
3.0	.416	.354	.306	.356	.306	.265	.245	.212	.186	.141	.124	.110	.045	.040	.036	
4.0	.408	.343	.293	.350	.296	.254	.241	.206	.179	.139	.121	.106	.045	.039	.035	
5.0	.401	.334	.284	.344	.289	.247	.237	.202	.174	.137	.118	.104	.044	.039	.034	
6.0	.393	.326	.278	.338	.282	.242	.233	.198	.171	.135	.116	.102	.044	.038	.034	
7.0	.385	.320	.274	.332	.277	.238	.229	.194	.169	.133	.114	.101	.043	.037	.033	
8.0	.378	.314	.270	.326	.273	.236	.225	.191	.167	.131	.113	.100	.042	.037	.033	
9.0	.372	.310	.268	.320	.269	.234	.222	.189	.166	.129	.112	.099	.042	.037	.033	
10.0	.366	.306	.266	.315	.265	.232	.219	.187	.165	.128	.110	.098	.041	.036	.033	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

Uncorrected UGR 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	8.1	9.4	8.7	10.1	11.0	7.9	9.3	8.6	10.0	10.8
	3H	11.6	12.8	12.3	13.5	14.4	11.4	12.6	12.1	13.4	14.2
	4H	13.5	14.7	14.2	15.4	16.3	13.3	14.5	14.0	15.2	16.1
	6H	15.6	16.7	16.3	17.4	18.4	15.3	16.4	16.0	17.2	18.1
	8H	16.5	17.6	17.3	18.4	19.3	16.3	17.4	17.1	18.2	19.1
	12H	17.1	18.1	17.8	18.9	19.8	17.4	18.4	18.1	19.2	20.2
4H	2H	9.2	10.4	9.9	11.1	12.0	9.1	10.3	9.8	11.0	11.9
	3H	12.8	13.8	13.5	14.6	15.5	12.6	13.7	13.4	14.5	15.4
	4H	14.8	15.8	15.6	16.6	17.5	14.6	15.6	15.4	16.4	17.4
	6H	17.0	17.9	17.8	18.7	19.7	16.8	17.6	17.6	18.4	19.4
	8H	18.1	18.9	18.9	19.7	20.7	17.9	18.7	18.7	19.5	20.5
	12H	18.6	19.4	19.5	20.2	21.2	19.0	19.8	19.8	20.6	21.6
8H	4H	15.6	16.4	16.4	17.2	18.2	15.4	16.2	16.2	17.1	18.1
	6H	18.0	18.7	18.8	19.5	20.6	17.8	18.5	18.6	19.3	20.4
	8H	19.2	19.8	20.0	20.7	21.7	19.0	19.7	19.9	20.5	21.6
	12H	19.9	20.4	20.7	21.3	22.4	20.3	20.8	21.2	21.7	22.8
12H	4H	15.7	16.5	16.6	17.3	18.4	15.6	16.4	16.4	17.2	18.2
	6H	18.3	18.9	19.1	19.7	20.8	18.1	18.7	18.9	19.6	20.6
	8H	19.6	20.1	20.4	21.0	22.0	19.4	20.0	20.3	20.8	21.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 402.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.2)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

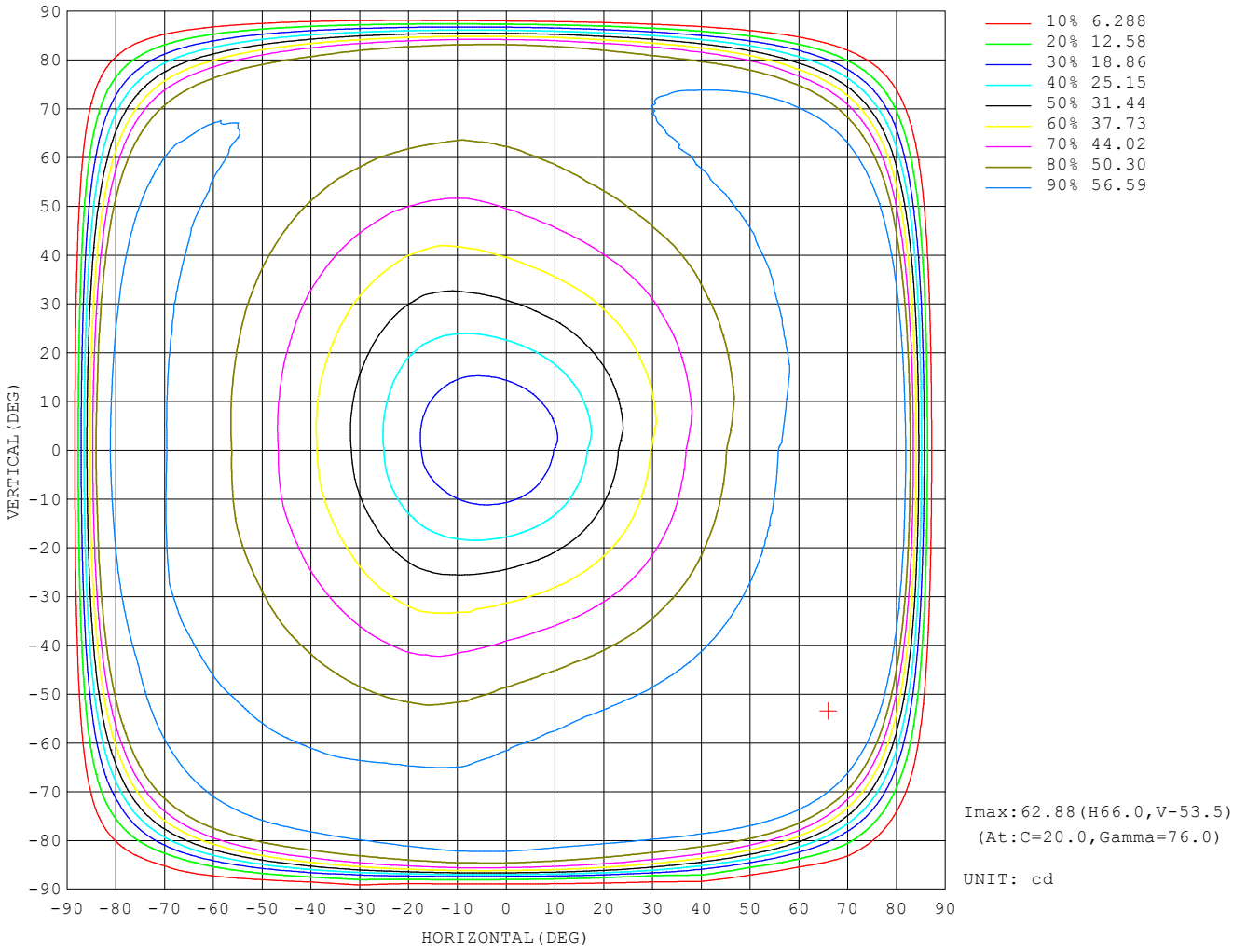
UTILIZATION FACTORS TABLE

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) x RCR = 5									
k = 0.60	38	24	17	36	24	16	34	22	15	8
0.80	46	32	23	44	31	22	40	29	21	12
1.00	54	39	30	51	38	29	46	37	27	16
1.25	61	47	37	58	45	35	52	41	33	20
1.50	67	53	43	63	50	41	56	46	38	24
2.00	75	62	52	71	59	50	63	53	46	30
2.50	80	69	59	76	65	57	67	59	52	35
3.00	85	74	65	80	70	62	71	63	56	39
4.00	90	81	74	85	77	70	75	69	63	44
5.00	94	86	79	89	81	75	78	73	68	48
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:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
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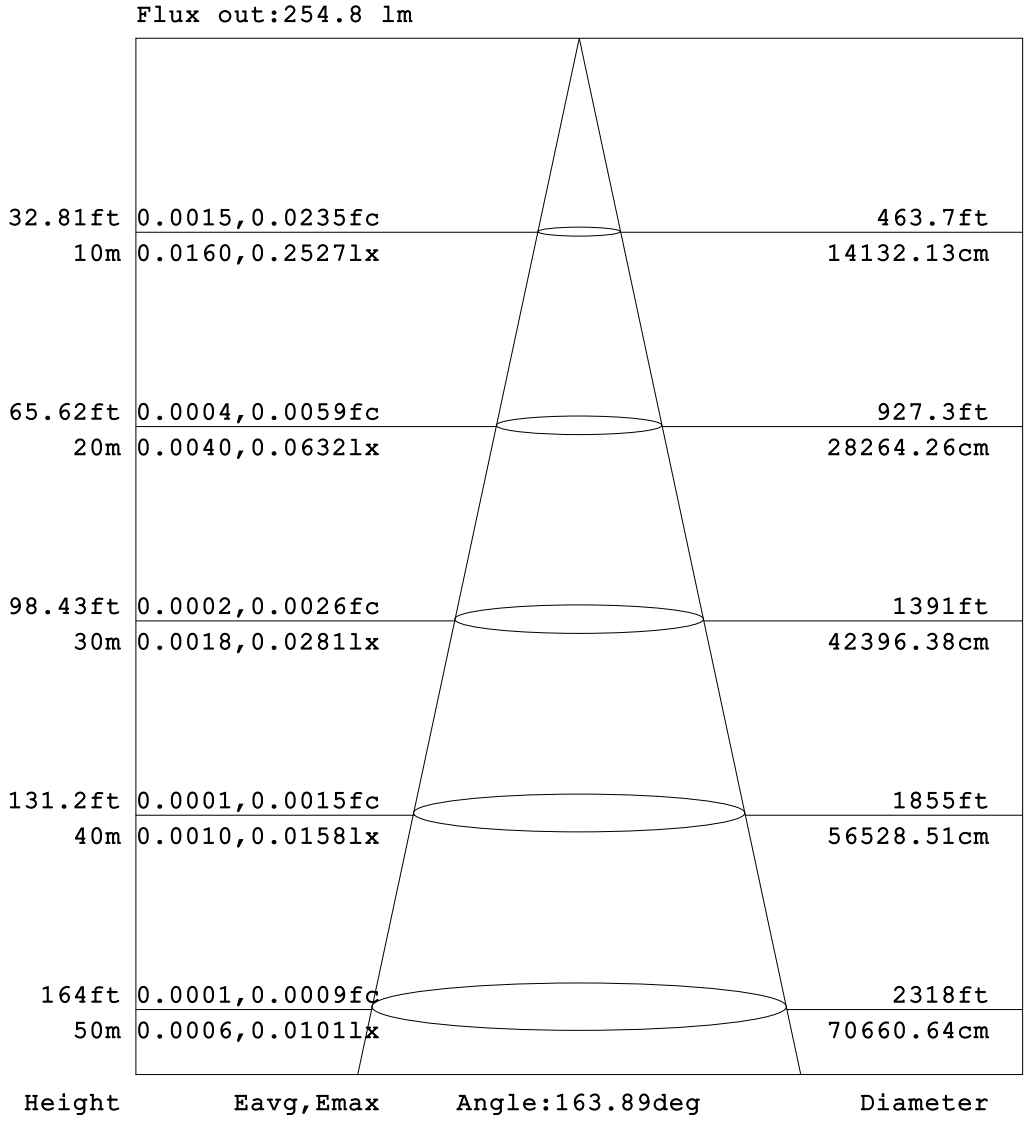
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

AAI Figure

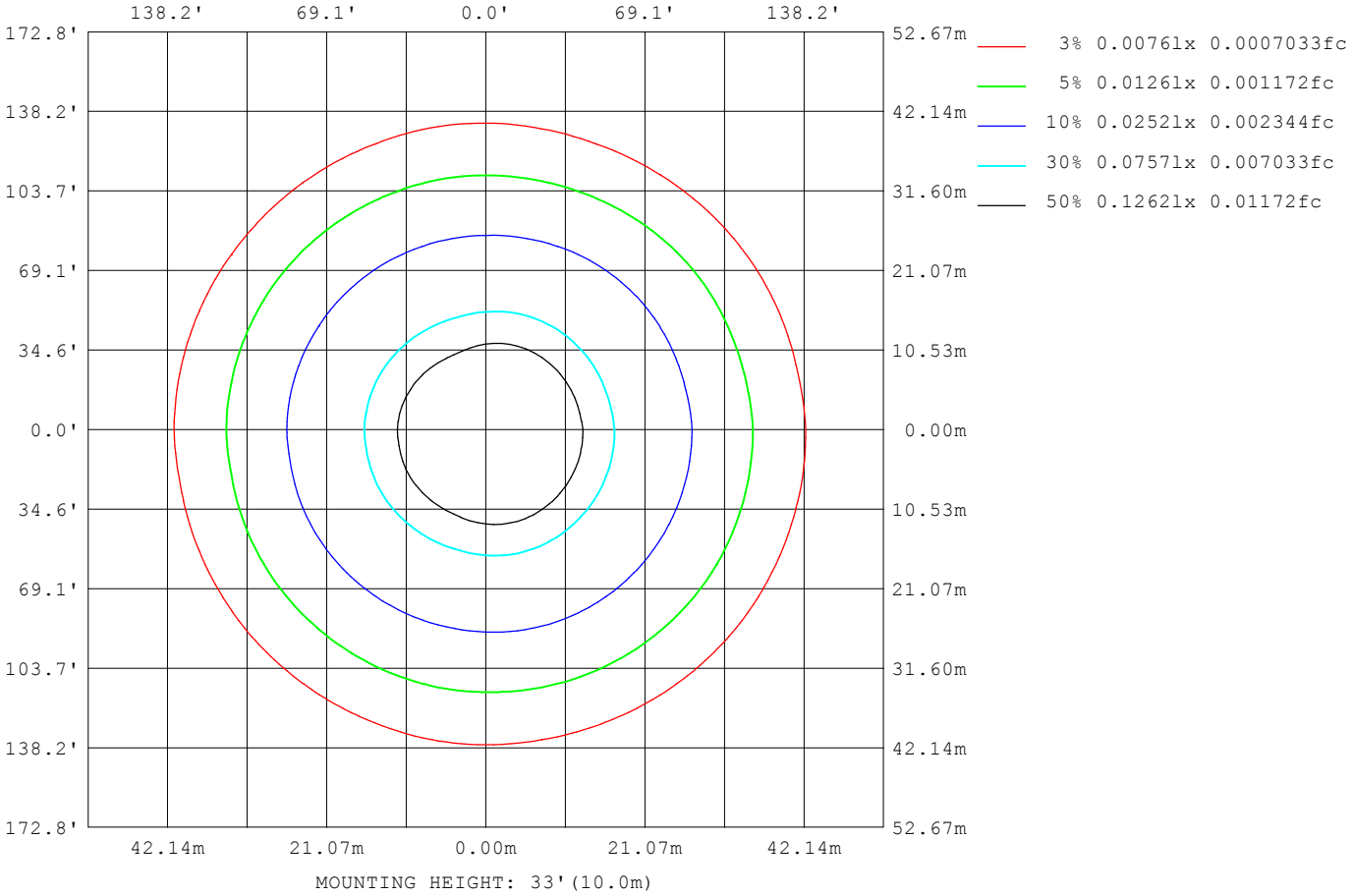


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
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Remarks: AB17011-1A

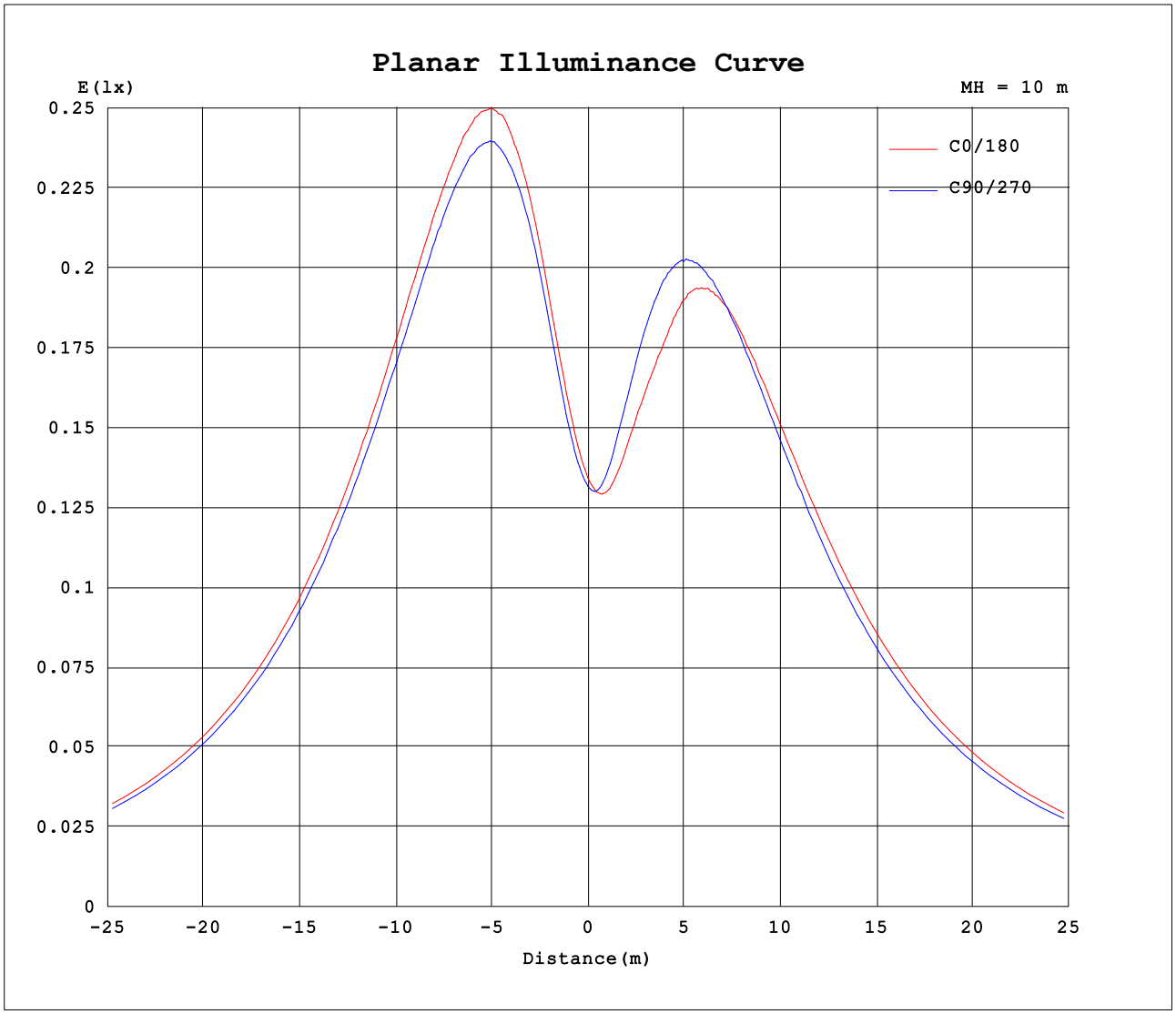
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

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	13.4	13.4	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.4
5	15.5	15.6	15.6	15.6	15.5	15.4	15.3	15.2	15.0	14.9	14.7	14.4	14.2	13.9	13.7	13.4	13.2	13.0	13.1
10	19.1	19.2	19.3	19.3	19.3	19.1	19.0	18.8	18.6	18.3	17.9	17.4	16.9	16.4	16.0	15.5	15.1	14.7	14.6
15	23.5	23.7	23.8	23.8	23.8	23.7	23.6	23.3	23.0	22.6	22.0	21.3	20.6	19.9	19.2	18.6	17.9	17.5	17.3
20	28.4	28.6	28.7	28.7	28.7	28.5	28.4	28.2	27.8	27.2	26.4	25.5	24.5	23.6	22.8	22.1	21.5	21.0	20.8
25	33.3	33.7	33.7	33.8	33.7	33.7	33.5	33.2	32.8	32.0	30.9	29.7	28.4	27.4	26.7	26.1	25.7	25.2	25.1
30	38.1	38.4	38.4	38.6	38.5	38.4	38.3	38.0	37.4	36.6	35.4	34.0	32.5	31.5	31.0	30.8	30.4	29.9	29.8
35	42.5	42.7	42.9	43.0	43.0	42.8	42.7	42.4	41.8	40.8	39.4	37.7	36.2	35.7	35.6	35.4	35.2	34.7	34.4
40	46.5	46.7	46.9	47.0	47.0	47.1	47.0	46.5	45.7	44.6	43.0	41.3	40.0	39.8	39.7	39.8	39.3	38.9	38.8
45	50.2	50.4	50.6	50.6	50.7	50.7	50.4	50.1	49.3	48.0	46.4	44.5	43.7	43.6	43.6	43.5	43.2	42.7	42.7
50	53.3	53.6	53.8	53.9	53.9	53.8	53.7	53.3	52.4	51.0	49.4	47.8	47.4	47.1	47.1	46.9	46.6	46.1	46.4
55	56.1	56.5	56.6	56.6	56.7	56.6	56.3	55.9	55.1	53.7	52.0	50.8	50.5	50.3	50.2	50.1	49.8	49.4	49.5
60	58.5	58.8	58.9	59.1	59.0	58.9	58.7	58.1	57.2	56.0	54.3	53.8	53.2	53.0	52.8	52.8	52.4	52.0	52.4
65	60.5	60.6	60.7	60.8	60.8	60.6	60.3	59.9	59.0	57.7	56.5	56.1	55.6	55.2	55.1	55.0	54.6	54.3	54.8
70	62.2	62.1	62.2	62.1	62.0	61.9	61.6	61.0	60.2	59.1	58.5	57.9	57.5	57.2	57.3	56.9	56.6	56.1	56.9
75	62.6	62.8	62.7	62.6	62.5	62.1	61.4	60.9	60.1	59.8	59.7	59.0	58.7	58.5	58.2	57.9	57.6	57.2	57.9
80	60.7	61.1	60.7	60.2	59.6	58.9	58.2	58.1	58.3	58.9	58.8	58.0	57.6	57.7	57.4	57.3	56.6	56.3	57.3
85	26.4	28.2	30.5	33.5	36.1	39.4	42.2	45.1	47.2	48.6	48.9	47.9	46.2	44.7	43.6	42.1	40.3	38.7	41.2
90	0.61	0.86	0.79	1.36	1.74	2.00	2.28	2.47	2.57	2.48	2.23	1.82	1.50	1.09	0.80	0.52	1.78	0.22	0.31
95	26.9	21.9	26.8	28.9	29.6	30.4	30.5	30.0	28.0	27.0	25.4	24.0	22.5	21.1	19.7	18.5	17.5	10.6	12.3
100	36.5	25.0	34.4	36.2	37.8	39.2	40.3	40.8	40.9	40.4	39.4	38.0	36.5	35.2	34.4	34.3	34.4	23.9	30.0
105	34.7	21.7	29.3	27.5	25.4	24.6	25.3	25.9	26.2	26.1	25.5	25.4	26.9	28.7	30.6	32.5	34.4	25.2	34.4
110	33.1	19.5	26.4	23.9	20.9	18.2	16.5	15.8	15.8	16.4	17.9	20.2	23.0	25.7	28.3	31.0	33.6	24.9	37.0
115	31.3	17.6	24.2	21.4	18.2	15.1	12.8	11.6	11.6	12.6	14.6	17.6	20.5	23.5	26.5	29.5	32.0	20.3	27.5
120	19.3	17.4	21.6	19.4	16.2	13.0	10.6	9.29	9.29	10.5	12.7	15.7	18.7	21.8	24.9	27.9	28.7	22.3	26.1
125	20.7	18.8	16.5	17.7	14.4	11.4	9.03	7.73	7.73	8.96	11.3	14.1	17.2	20.2	23.4	24.8	18.7	23.4	27.3
130	3.99	7.90	10.3	15.0	12.9	10.1	7.77	6.56	6.57	7.79	10.0	12.8	15.8	18.9	21.7	23.2	18.9	23.9	20.6
135	18.1	19.2	10.8	12.0	10.9	8.81	6.70	5.63	5.67	6.83	8.93	11.5	14.3	17.2	20.0	14.9	19.0	23.0	22.5
140	17.5	18.0	10.9	6.99	8.95	7.12	5.83	4.86	4.92	6.00	7.92	10.3	12.9	15.3	12.5	14.0	16.9	22.0	22.9
145	9.55	6.01	1.11	5.23	5.56	5.63	4.07	3.83	4.20	5.27	6.93	8.85	9.84	8.21	6.52	6.14	15.5	18.5	21.2
150	7.51	10.1	9.85	6.84	4.02	3.35	3.33	1.96	1.68	2.19	2.98	3.67	4.63	7.46	5.75	4.11	0.49	4.33	6.21
155	9.90	11.2	9.13	6.69	4.64	2.92	1.93	1.57	2.36	2.58	3.28	4.44	6.09	8.05	9.23	5.78	4.43	8.64	13.2
160	8.96	9.45	7.82	5.95	4.56	3.46	2.69	1.75	2.80	3.16	3.93	4.99	6.33	7.92	9.68	9.23	6.95	0.26	0.88
165	7.10	6.97	6.22	4.92	3.94	3.16	2.28	1.93	2.45	3.00	3.77	4.73	5.81	6.95	8.12	8.24	8.02	6.64	3.40
170	4.66	4.14	3.48	2.70	1.96	1.21	1.10	1.67	2.12	2.56	3.09	3.64	4.25	4.65	4.51	4.31	3.89	3.51	3.93
175	3.15	3.07	3.00	2.85	2.63	2.44	2.37	2.52	2.62	2.61	2.40	2.03	1.75	1.55	1.39	1.23	0.98	0.68	1.31
180	2.18	2.45	2.87	3.32	3.51	3.59	3.19	3.47	2.82	2.30	2.32	1.96	1.46	0.51	0.29	0.28	0.20	0.07	2.20

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A

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	13.4	13.4	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1		
5	13.0	12.9	12.9	12.9	13.0	13.1	13.2	13.4	13.6	13.7	13.9	14.0	14.2	14.4	14.6	14.7	14.9		
10	14.4	14.3	14.4	14.4	14.6	14.8	15.2	15.6	16.0	16.4	16.7	17.0	17.3	17.5	17.7	18.0	18.3		
15	17.0	16.9	16.8	16.9	17.2	17.6	18.1	18.8	19.4	19.9	20.4	20.9	21.2	21.6	21.9	22.2	22.6		
20	20.3	20.1	19.9	19.9	20.2	20.7	21.5	22.4	23.1	23.9	24.5	25.0	25.5	25.9	26.3	26.8	27.3		
25	24.6	24.1	23.6	23.4	23.6	24.1	25.0	26.0	27.1	28.0	28.7	29.4	29.8	30.4	30.9	31.5	32.0		
30	29.4	28.6	28.0	27.5	27.1	27.5	28.5	29.7	30.9	31.9	32.9	33.6	34.1	34.7	35.4	36.0	36.7		
35	33.8	33.2	32.5	31.8	31.1	31.1	31.9	33.3	34.6	35.8	36.7	37.5	38.2	38.9	39.6	40.2	40.9		
40	38.1	37.4	36.8	36.0	35.2	34.7	35.3	36.6	38.2	39.5	40.5	41.3	42.1	42.7	43.5	44.2	44.9		
45	42.1	41.5	40.7	39.9	39.2	38.6	38.6	39.8	41.3	42.7	43.8	44.7	45.5	46.3	47.1	47.8	48.7		
50	45.9	45.1	44.3	43.6	42.7	42.2	41.9	42.9	44.3	45.7	46.8	47.8	48.7	49.4	50.3	51.0	51.7		
55	49.0	48.4	47.6	46.9	46.1	45.6	45.3	45.8	46.9	48.3	49.5	50.5	51.5	52.2	53.1	53.8	54.4		
60	51.9	51.1	50.6	49.8	49.0	48.5	48.2	48.3	49.4	50.5	51.8	52.8	54.0	54.9	55.3	56.3	56.8		
65	54.3	53.8	53.1	52.4	51.8	51.3	51.0	50.9	51.5	52.4	53.7	54.7	55.8	56.9	57.4	57.9	58.8		
70	56.3	55.8	55.2	54.7	54.0	53.6	53.3	53.3	53.3	53.9	54.9	56.1	57.2	58.3	59.1	59.7	60.4		
75	57.6	57.1	56.6	56.2	55.6	55.2	55.0	55.1	55.0	54.8	55.3	56.3	57.4	58.8	59.7	60.4	61.2		
80	57.0	56.6	55.8	55.2	54.7	54.6	54.9	55.1	55.0	54.3	53.7	53.8	54.3	55.4	56.8	58.2	59.3		
85	40.0	39.0	37.1	36.7	36.6	36.7	36.7	36.3	35.3	34.2	32.2	31.0	29.9	29.1	28.1	28.5	28.9		
90	0.30	0.29	0.28	0.23	0.16	0.14	0.12	0.11	0.11	0.10	0.08	0.09	0.11	0.14	0.17	0.03	0.19		
95	9.56	3.87	4.52	2.47	1.02	0.24	0.14	0.11	0.10	0.61	2.53	5.20	8.84	13.5	18.6	20.2	23.0		
100	23.9	9.07	12.2	7.11	2.92	0.54	0.13	0.11	0.10	1.61	5.54	11.8	17.9	24.4	30.5	29.5	36.0		
105	31.2	18.5	24.2	18.8	11.8	4.40	2.16	3.84	7.56	14.4	22.3	28.5	31.6	33.8	36.1	30.7	36.1		
110	34.4	23.5	31.9	30.4	28.8	25.5	23.4	25.5	32.0	39.1	39.3	38.4	37.9	38.3	38.4	30.3	35.1		
115	30.3	27.4	36.4	36.5	39.7	42.9	44.0	44.2	42.6	43.6	43.0	40.4	38.9	39.1	38.9	29.6	29.4		
120	35.9	20.5	39.9	41.7	43.5	45.8	47.4	48.1	47.5	46.3	42.3	41.5	39.6	38.2	38.4	14.8	29.1		
125	28.4	26.6	32.3	42.2	44.0	45.8	47.3	48.0	47.2	45.9	42.6	41.0	39.2	37.4	13.6	20.8	28.2		
130	27.1	24.5	22.4	41.4	43.2	44.6	45.8	46.2	45.4	44.1	41.3	39.8	38.0	17.8	5.08	16.8	5.13		
135	25.4	28.9	23.2	18.2	37.9	42.6	43.4	43.6	42.9	38.6	39.2	37.8	27.7	10.7	22.6	27.9	17.4		
140	24.4	29.3	27.2	26.2	16.0	23.7	40.3	40.5	39.8	36.9	33.7	20.4	10.2	20.9	25.4	25.7	18.0		
145	22.7	21.6	21.6	17.7	17.2	14.3	10.8	12.8	13.5	10.9	7.56	14.0	18.3	17.9	14.0	2.77	10.1		
150	5.65	5.39	5.57	11.0	14.3	15.7	16.9	20.3	22.2	23.2	22.2	21.3	21.6	21.5	16.0	14.2	7.31		
155	13.6	8.82	8.75	13.8	16.1	16.6	17.1	17.6	21.3	25.4	23.8	22.6	21.4	19.1	10.8	9.85	9.09		
160	2.88	6.87	11.2	10.7	11.1	14.7	15.8	15.8	15.1	17.0	20.7	19.2	12.6	8.97	9.19	9.83	8.84		
165	2.30	4.65	6.95	8.71	9.67	10.2	8.16	8.17	8.77	6.60	3.71	1.40	1.18	7.16	8.69	8.22	7.27		
170	4.10	4.41	4.47	4.27	4.67	4.63	5.04	4.76	4.55	5.08	5.08	5.18	3.79	4.15	4.39	4.29	4.29		
175	1.30	0.75	0.36	0.30	0.38	0.30	0.49	0.93	1.37	1.45	1.32	1.40	1.67	1.92	2.22	2.40	2.52		
180	2.16	2.46	2.62	2.52	2.65	2.76	2.53	2.22	1.86	1.37	0.82	0.58	0.73	0.86	0.91	1.25	1.59		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:
Test Date:2020-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.273
Humidity:55.0%
Test Distance:2.591m [K=1.0000]
Remarks: AB17011-1A