

ELACCL-20S120CW Spectrum Test Report

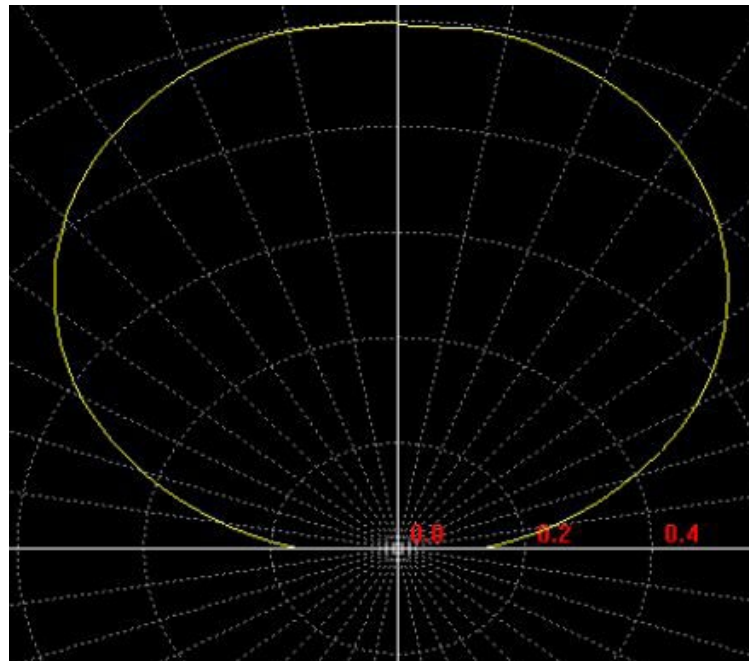
Lamp Description

Lamp Name: ELACCL-20S120CW	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage:	Rated Power:
Light Type:	Light Number:	Rated Flux:

Measured Data of Lamp

Voltage:225.6v		Current :0.083A		Power:18.7w		Power Factor:0.93	
Total Flux	1807lm	Central Intensity	508.5cd				
Lamp Efficiency		Light Efficiency	97.1lm/w				
Peak Intensity	511.9cd	Location of Peak(c, γ)	(135° , 9°)				
Upward Light Flux	900lm	Downward Light Flux	907lm				
Beam Angle	124.6°						

Distribution Curve of Meridian



c-Range:0-360°
c-Interval:15°

γ -Range:0-90°
 γ -Interval:3°

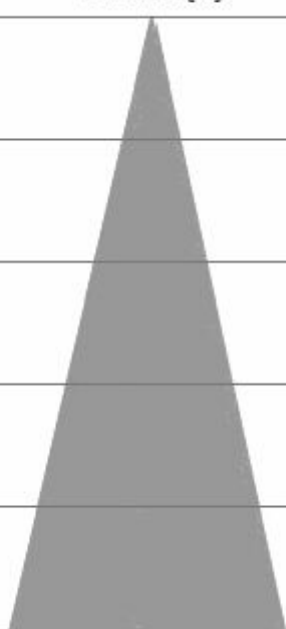
Humidity:50%

Temperature:25 Celsius

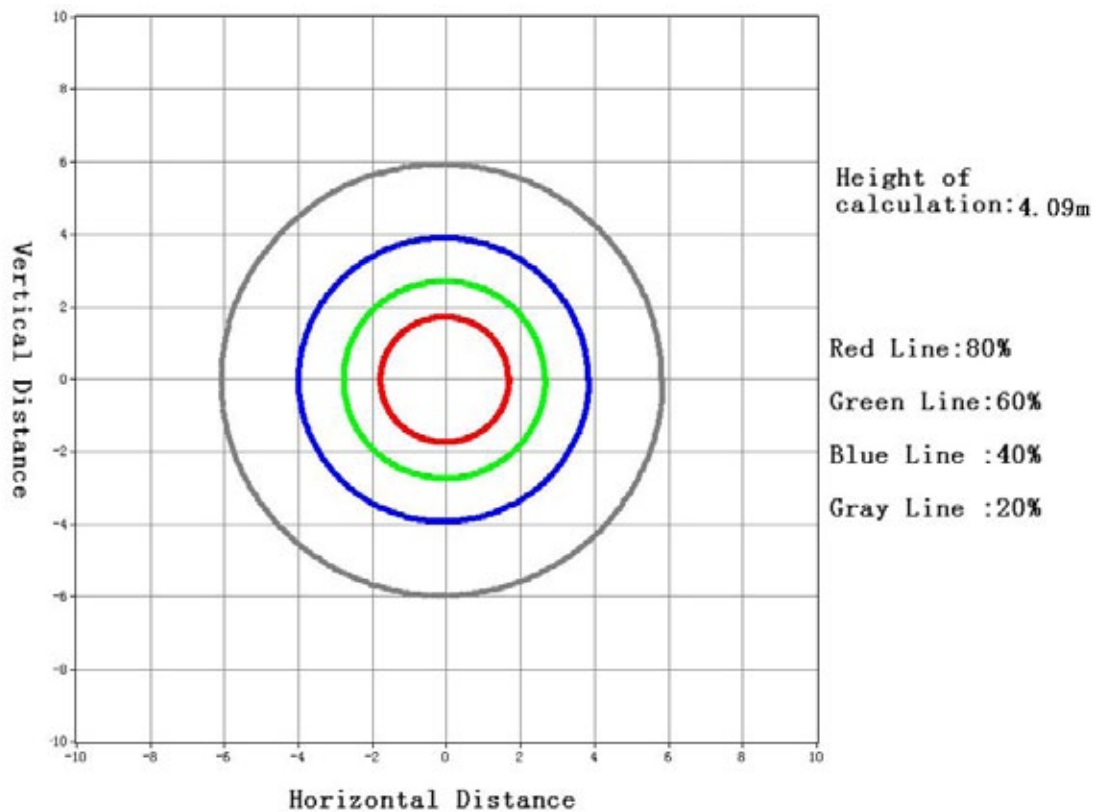
Test Date:2014-6-24

Test Distance:4.09m

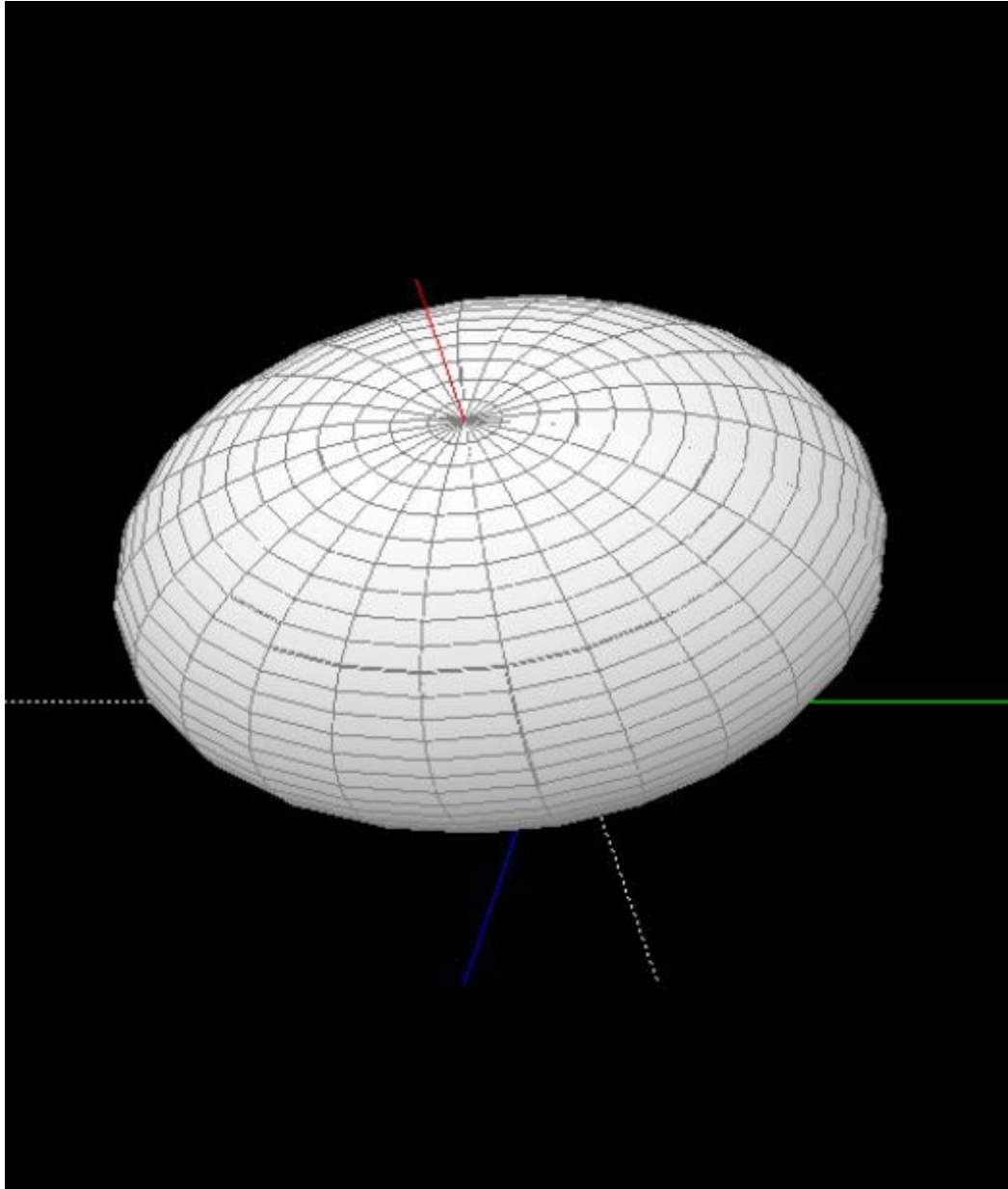
H[m]	Diameter[m]	Illuminance[lx]
1.0		508.5
2.0		127.1
3.0		56.5
4.0		31.8
5.0		20.3



Isocandela Curve(CIE)



3D Distribution Curve of Lamp Light



c-Range:0-360°
c-Interval:15°

γ -Range:0-90°
 γ -Interval:3°

Humidity:50%

Temperature:25 Celsius

Test Date:2014-6-24

Test Distance:4.09m

Data Form of Intensity Distribution Curve

Unit:lx

γ\C	0	15	30	45	60	75	90	105	120	135	150	165	γ\C
0	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.4	0
3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	3
6	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	6
9	30.2	30.2	30.2	30.3	30.3	30.4	30.4	30.5	30.5	30.6	30.6	30.6	9
12	29.9	30	30	30	30.1	30.1	30.2	30.3	30.3	30.4	30.4	30.5	12
15	29.6	29.6	29.6	29.7	29.7	29.8	29.9	30	30	30.1	30.2	30.2	15
18	29.1	29.2	29.2	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.8	29.9	18
21	28.6	28.7	28.7	28.8	28.8	28.9	29.1	29.2	29.3	29.3	29.4	29.5	21
24	28	28.1	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29	24
27	27.4	27.4	27.5	27.6	27.7	27.8	27.9	28.1	28.1	28.2	28.3	28.4	27
30	26.7	26.7	26.8	26.9	27	27.1	27.3	27.4	27.5	27.6	27.7	27.8	30
33	25.9	25.9	26	26.1	26.2	26.3	26.5	26.6	26.8	26.9	27	27.1	33
36	25	25.1	25.1	25.3	25.4	25.5	25.7	25.8	26	26.1	26.2	26.3	36
39	24.1	24.2	24.2	24.3	24.5	24.6	24.8	25	25.1	25.3	25.4	25.5	39
42	23.1	23.2	23.3	23.4	23.5	23.7	23.9	24	24.2	24.3	24.5	24.6	42
45	22.1	22.2	22.2	22.3	22.5	22.7	22.9	23.1	23.2	23.4	23.5	23.6	45
48	21	21.1	21.2	21.3	21.4	21.6	21.8	22	22.2	22.4	22.5	22.6	48
51	19.9	19.9	20	20.1	20.3	20.5	20.7	20.9	21.1	21.3	21.4	21.5	51
54	18.7	18.7	18.8	18.9	19.1	19.3	19.5	19.7	20	20.1	20.3	20.4	54
57	17.5	17.5	17.6	17.7	17.9	18.1	18.3	18.5	18.8	18.9	19.1	19.2	57
60	16.2	16.2	16.3	16.4	16.6	16.8	17	17.3	17.2	17.7	17.9	18	60
63	14.9	14.9	15	15.1	15.3	15.5	15.7	16	16.3	16.4	16.6	16.7	63
66	13.5	13.5	13.6	13.7	13.9	14.1	14.4	14.6	14.9	15.1	15.2	15.4	66
69	12.1	12.2	12.3	12.4	12.5	12.7	13	13.2	13.5	13.7	13.8	14	69
72	10.7	10.8	10.9	11	11.1	11.4	11.6	11.9	12.1	12.3	12.4	12.6	72
75	9.3	9.4	9.5	9.6	9.8	10	10.2	10.5	10.7	10.9	11	11.1	75
78	8.14	8.21	8.32	8.35	8.49	8.6	8.9	9.1	9.3	9.5	9.6	9.7	78
81	6.85	6.9	7.05	7.15	7.29	7.48	7.71	7.92	8.05	8.24	8.37	8.42	81
84	5.7	5.77	5.87	5.98	6.11	6.28	6.53	6.68	6.77	6.98	7.08	7.2	84
87	4.76	4.75	4.8	4.9	5.01	5.16	5.36	5.52	5.63	5.74	5.87	5.98	87
90	4.14	4.15	4.15	4.16	4.16	4.18	4.37	4.47	4.63	4.77	4.87	4.95	90

γ \ C	180	195	210	225	240	255	270	285	300	315	330	345	360
0	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
3	30.5	30.5	30.5	30.5	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
6	30.6	30.6	30.6	30.5	30.5	30.5	30.5	30.5	30.5	30.4	30.4	30.4	30.5
9	30.6	30.6	30.6	30.6	30.5	30.5	30.5	30.5	30.4	30.4	30.4	30.4	30.4
12	30.5	30.5	30.5	30.4	30.4	30.3	30.3	30.2	30.2	30.1	30.1	30.1	30.1
15	30.2	30.2	30.2	30.1	30.1	30	30	29.9	29.9	29.8	29.8	29.8	29.8
18	29.9	29.9	29.9	29.8	29.7	29.6	29.6	29.5	29.5	29.4	29.4	29.3	29.3
21	29.5	29.5	29.4	29.4	29.3	29.2	29.1	29.1	29	28.9	28.9	28.8	28.8
24	29	29	29	28.9	28.8	28.7	28.6	28.5	28.4	28.4	28.3	28.2	28.3
27	28.4	28.4	28.4	28.3	28.2	28.1	28	27.9	27.8	27.7	27.6	27.6	27.6
30	27.8	27.8	27.8	27.7	27.6	27.5	27.4	27.2	27.1	27	26.9	26.9	26.8
33	27.1	27.1	27.1	27	26.9	26.7	26.6	26.5	26.3	26.3	26.1	26.1	26.1
36	26.3	26.3	26.3	26.2	26.1	25.9	25.8	25.7	25.5	25.4	25.3	25.2	25.2
39	25.5	25.5	25.5	25.4	25.3	25.1	24.9	24.8	24.6	24.5	24.4	24.3	24.3
42	24.6	24.6	24.6	24.5	24.3	24.2	24	23.8	23.7	23.6	23.4	23.4	23.4
45	23.7	23.7	23.6	23.5	23.4	23.2	23	22.8	22.7	22.6	22.4	22.4	22.3
48	22.6	22.6	22.6	22.5	22.3	22.2	22	21.8	21.6	21.5	21.3	21.3	21.3
51	21.6	21.6	21.5	21.4	21.2	21.1	20.9	20.7	20.5	20.4	20.2	20.1	20.1
54	20.4	20.4	20.4	20.3	20.1	19.9	19.7	19.5	19.3	19.2	19	18.9	18.9
57	19.3	19.3	19.2	19.1	18.9	18.7	18.5	18.3	18.1	17.9	17.7	17.7	17.7
60	18	18	17.9	17.8	17.7	17.4	17.2	17	16.8	16.7	16.4	16.4	16.4
63	16.7	16.7	16.7	16.5	16.3	16.1	15.9	15.7	15.5	15.3	15.2	15.1	15.1
66	15.4	15.4	15.3	15.2	15	14.8	14.6	14.4	14.2	14	13.9	13.8	13.7
69	14.1	14	14	13.8	13.6	13.4	13.2	13	12.8	12.6	12.4	12.3	12.4
72	12.6	12.7	12.6	12.4	12.3	12	11.8	11.6	11.4	11.2	11	10.9	10.9
75	11.2	11.3	11.2	11.1	10.9	10.7	10.4	10.2	10	9.8	9.6	9.5	9.5
78	9.8	9.9	9.8	9.7	9.5	9.3	9.1	8.9	8.6	8.46	8.42	8.33	8.32
81	8.5	8.56	8.52	8.4	8.3	8.1	7.9	7.71	7.41	7.24	7.13	7.05	7.03
84	7.29	7.32	7.36	7.2	7.03	6.85	6.66	6.48	6.2	6.03	5.97	5.88	5.85
87	6.07	6.15	6.1	6.01	5.86	5.69	5.52	5.38	5.19	5.04	4.94	4.86	4.89
90	5.04	4.99	4.91	4.91	4.78	4.65	4.5	4.4	4.25	4.23	4.22	4.21	4.23