

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P973698

Luminaire Tested: FLR2-22-25-L950-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-22-25-L950-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

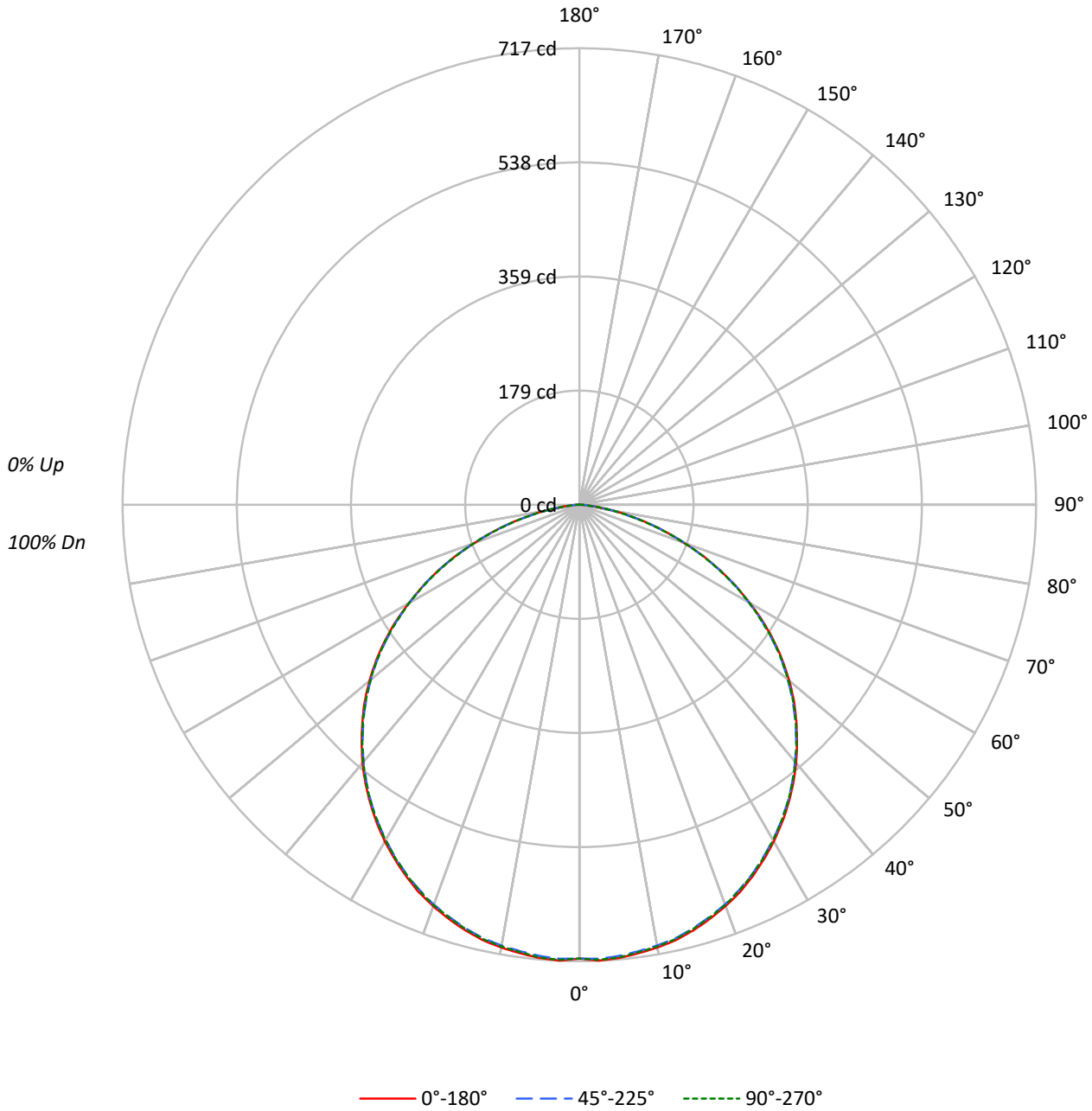
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1993.4 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P973698
CATALOG NUMBER: FLR2-22-25-L950-CP125

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1918	1918	1918
5°	1930	1922	1928
10°	1930	1921	1925
15°	1928	1919	1922
20°	1922	1914	1916
25°	1911	1904	1905
30°	1898	1889	1891
35°	1880	1873	1874
40°	1861	1851	1853
45°	1833	1825	1828
50°	1801	1788	1792
55°	1749	1735	1742
60°	1664	1657	1657
65°	1553	1550	1545
70°	1375	1382	1378
75°	1158	1149	1140
80°	832	818	812
85°	435	435	420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1833 cd/sqm



TEST NUMBER: P973698
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	3.4
10°-20°	194.1	9.7
20°-30°	295.0	14.8
30°-40°	356.5	17.9
40°-50°	370.1	18.6
50°-60°	330.9	16.6
60°-70°	240.6	12.1
70°-80°	118.3	5.9
80°-90°	20.5	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	556.6	27.9
0°-40°	913.1	45.8
0°-60°	1614.1	81.0
0°-90°	1993.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1993.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	715	706	712	709	714	68
15°	692	684	689	687	690	195
25°	644	637	641	640	642	297
35°	572	568	570	571	571	358
45°	482	480	480	480	480	372
55°	373	371	370	371	371	332
65°	244	245	244	244	243	241
75°	111	112	110	111	110	118
85°	14	14	14	14	14	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	712.8	712.8	712.8	712.8	712.8
2.5°	716.8	708.4	713.7	710.6	715.5
5°	714.6	706.2	711.5	708.9	713.7
7.5°	710.6	702.3	707.5	704.9	708.9
10°	706.2	697.4	703.1	700.5	704.5
12.5°	700.5	692.1	697.4	695.2	698.7
15°	692.1	684.2	689.0	687.3	689.9
17.5°	682.0	674.1	678.9	677.6	679.8
20°	671.0	663.5	668.4	667.0	669.2
22.5°	658.7	650.7	655.1	654.3	656.0
25°	643.7	636.7	641.1	639.7	641.5
27.5°	627.8	621.2	624.8	624.8	625.6
30°	610.7	604.5	608.0	608.0	608.5
32.5°	592.2	587.3	589.5	590.0	590.0
35°	572.4	568.4	570.2	570.6	570.6
37.5°	551.7	547.7	549.0	549.9	549.9
40°	529.7	526.1	527.0	527.9	527.5
42.5°	505.9	503.2	503.7	504.6	504.6
45°	481.7	479.5	479.5	480.4	480.4
47.5°	457.0	454.8	453.9	454.8	454.8
50°	430.2	428.0	427.1	428.0	428.0
52.5°	402.0	399.8	399.8	399.8	400.2
55°	372.9	370.7	369.8	370.7	371.2
57.5°	342.1	341.2	339.9	340.3	339.0
60°	309.1	309.1	307.8	308.6	307.8
62.5°	276.9	277.8	276.5	276.5	275.6
65°	243.9	244.8	243.5	243.5	242.6
67.5°	210.0	211.3	209.6	209.6	208.7
70°	174.8	177.4	175.7	176.1	175.2
72.5°	143.1	144.4	142.7	142.7	141.8
75°	111.4	112.3	110.5	111.0	109.6
77.5°	80.1	81.5	79.7	80.1	79.7
80°	53.7	54.2	52.8	53.3	52.4
82.5°	31.3	31.7	31.3	30.8	30.4
85°	14.1	14.5	14.1	14.1	13.6
87.5°	3.5	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)