

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: P974052

Luminaire Tested: FLR2-22-25HE-L950-CA125

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P974052  
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: FLR2-22-25HE-L950-CA125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

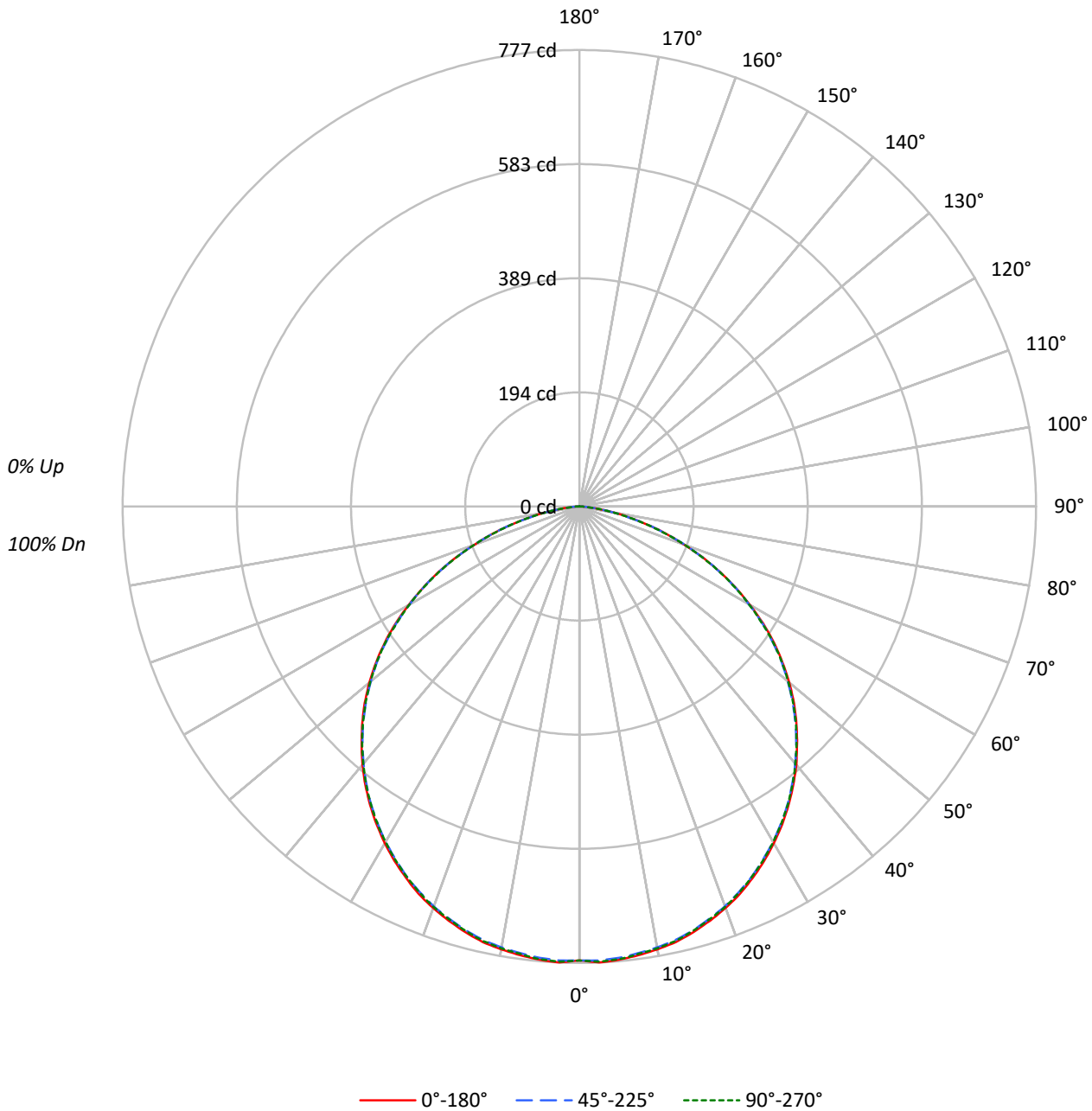
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2161.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 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): 19.2  
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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2079	2079	2079
5°	2092	2083	2090
10°	2092	2083	2087
15°	2090	2081	2084
20°	2083	2075	2078
25°	2072	2063	2065
30°	2057	2048	2050
35°	2038	2031	2032
40°	2017	2007	2009
45°	1987	1978	1982
50°	1952	1938	1942
55°	1897	1881	1888
60°	1803	1795	1795
65°	1684	1680	1675
70°	1491	1498	1495
75°	1256	1246	1235
80°	902	888	880
85°	472	472	457

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1987 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	3.4
10°-20°	210.4	9.7
20°-30°	319.8	14.8
30°-40°	386.5	17.9
40°-50°	401.2	18.6
50°-60°	358.7	16.6
60°-70°	260.8	12.1
70°-80°	128.2	5.9
80°-90°	22.2	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°	603.4	27.9
0°-40°	989.9	45.8
0°-60°	1749.7	81.0
0°-90°	2161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2161.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	775	766	771	768	774	74
15°	750	742	747	745	748	212
25°	698	690	695	694	695	322
35°	620	616	618	619	619	388
45°	522	520	520	521	521	403
55°	404	402	401	402	402	360
65°	264	265	264	264	263	261
75°	121	122	120	120	119	128
85°	15	16	15	15	15	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	772.7	772.7	772.7	772.7	772.7
2.5°	777.0	768.0	773.7	770.4	775.6
5°	774.6	765.6	771.3	768.4	773.7
7.5°	770.4	761.3	767.0	764.1	768.4
10°	765.6	756.0	762.2	759.4	763.7
12.5°	759.4	750.3	756.0	753.6	757.5
15°	750.3	741.7	747.0	745.1	747.9
17.5°	739.3	730.7	736.0	734.6	736.9
20°	727.4	719.3	724.5	723.1	725.5
22.5°	714.0	705.4	710.2	709.3	711.2
25°	697.8	690.2	694.9	693.5	695.4
27.5°	680.6	673.5	677.3	677.3	678.2
30°	662.0	655.3	659.1	659.1	659.6
32.5°	642.0	636.7	639.1	639.6	639.6
35°	620.5	616.2	618.1	618.6	618.6
37.5°	598.1	593.8	595.2	596.1	596.1
40°	574.2	570.4	571.3	572.3	571.8
42.5°	548.4	545.5	546.0	547.0	547.0
45°	522.2	519.8	519.8	520.7	520.7
47.5°	495.4	493.0	492.1	493.0	493.0
50°	466.3	463.9	463.0	463.9	463.9
52.5°	435.8	433.4	433.4	433.4	433.9
55°	404.3	401.9	400.9	401.9	402.4
57.5°	370.9	369.9	368.5	368.9	367.5
60°	335.1	335.1	333.6	334.6	333.6
62.5°	300.2	301.2	299.7	299.7	298.8
65°	264.4	265.4	263.9	263.9	263.0
67.5°	227.7	229.1	227.2	227.2	226.2
70°	189.5	192.3	190.4	190.9	190.0
72.5°	155.1	156.6	154.6	154.6	153.7
75°	120.8	121.7	119.8	120.3	118.8
77.5°	86.9	88.3	86.4	86.9	86.4
80°	58.2	58.7	57.3	57.8	56.8
82.5°	33.9	34.4	33.9	33.4	32.9
85°	15.3	15.8	15.3	15.3	14.8
87.5°	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)