

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: P974022

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

Issue Date: 3/13/2025

**Test Information**

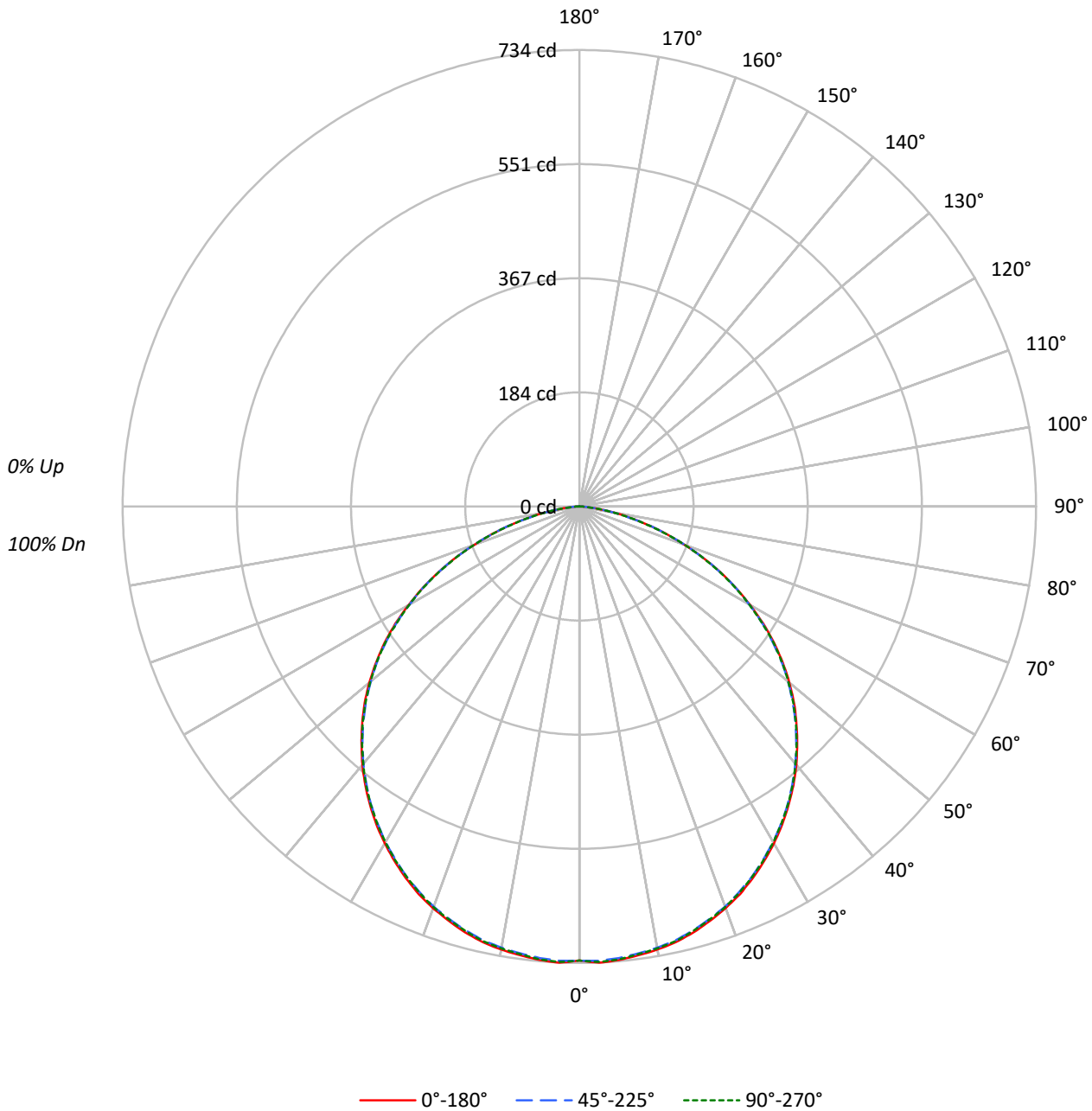
Test Method: LM-79-2019  
Report Number: P974022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/13/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: FLR2-22-25HE-L950-CP125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2042.2 lumens  
Efficiency: N/A  
Efficacy: 106.4 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				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°	1965	1965	1965
5°	1978	1969	1975
10°	1977	1968	1972
15°	1975	1967	1969
20°	1968	1961	1963
25°	1958	1950	1951
30°	1944	1936	1937
35°	1926	1919	1920
40°	1906	1897	1898
45°	1878	1869	1873
50°	1845	1832	1835
55°	1793	1778	1784
60°	1704	1697	1697
65°	1591	1588	1582
70°	1409	1416	1412
75°	1186	1177	1168
80°	852	838	832
85°	445	445	432

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1878 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	3.4
10°-20°	198.9	9.7
20°-30°	302.2	14.8
30°-40°	365.3	17.9
40°-50°	379.1	18.6
50°-60°	339.0	16.6
60°-70°	246.4	12.1
70°-80°	121.2	5.9
80°-90°	21.0	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°	570.2	27.9
0°-40°	935.5	45.8
0°-60°	1653.6	81.0
0°-90°	2042.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2042.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	732	724	729	726	731	70
15°	709	701	706	704	707	200
25°	660	652	657	655	657	304
35°	586	582	584	585	585	367
45°	494	491	491	492	492	381
55°	382	380	379	380	380	341
65°	250	251	249	249	248	246
75°	114	115	113	114	112	121
85°	14	15	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°	730.3	730.3	730.3	730.3	730.3
2.5°	734.4	725.8	731.2	728.0	733.0
5°	732.1	723.5	728.9	726.2	731.2
7.5°	728.0	719.5	724.9	722.2	726.2
10°	723.5	714.5	720.4	717.7	721.7
12.5°	717.7	709.1	714.5	712.3	715.9
15°	709.1	701.0	705.9	704.1	706.8
17.5°	698.7	690.6	695.6	694.2	696.5
20°	687.4	679.8	684.7	683.4	685.6
22.5°	674.8	666.7	671.2	670.3	672.1
25°	659.5	652.3	656.8	655.4	657.2
27.5°	643.2	636.5	640.1	640.1	641.0
30°	625.6	619.3	622.9	622.9	623.4
32.5°	606.7	601.7	604.0	604.4	604.4
35°	586.4	582.3	584.1	584.6	584.6
37.5°	565.2	561.1	562.5	563.4	563.4
40°	542.6	539.0	539.9	540.8	540.4
42.5°	518.3	515.6	516.0	516.9	516.9
45°	493.5	491.2	491.2	492.1	492.1
47.5°	468.2	466.0	465.1	466.0	466.0
50°	440.7	438.4	437.5	438.4	438.4
52.5°	411.8	409.6	409.6	409.6	410.0
55°	382.1	379.8	378.9	379.8	380.3
57.5°	350.5	349.6	348.2	348.7	347.3
60°	316.7	316.7	315.3	316.2	315.3
62.5°	283.7	284.6	283.3	283.3	282.4
65°	249.9	250.8	249.4	249.4	248.5
67.5°	215.2	216.5	214.7	214.7	213.8
70°	179.1	181.8	180.0	180.4	179.5
72.5°	146.6	148.0	146.1	146.1	145.2
75°	114.1	115.0	113.2	113.7	112.3
77.5°	82.1	83.4	81.6	82.1	81.6
80°	55.0	55.5	54.1	54.6	53.7
82.5°	32.0	32.5	32.0	31.6	31.1
85°	14.4	14.9	14.4	14.4	14.0
87.5°	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)