

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: P974046

Luminaire Tested: FLR2-22-25HE-L950-CP375

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P974046  
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-CP375  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

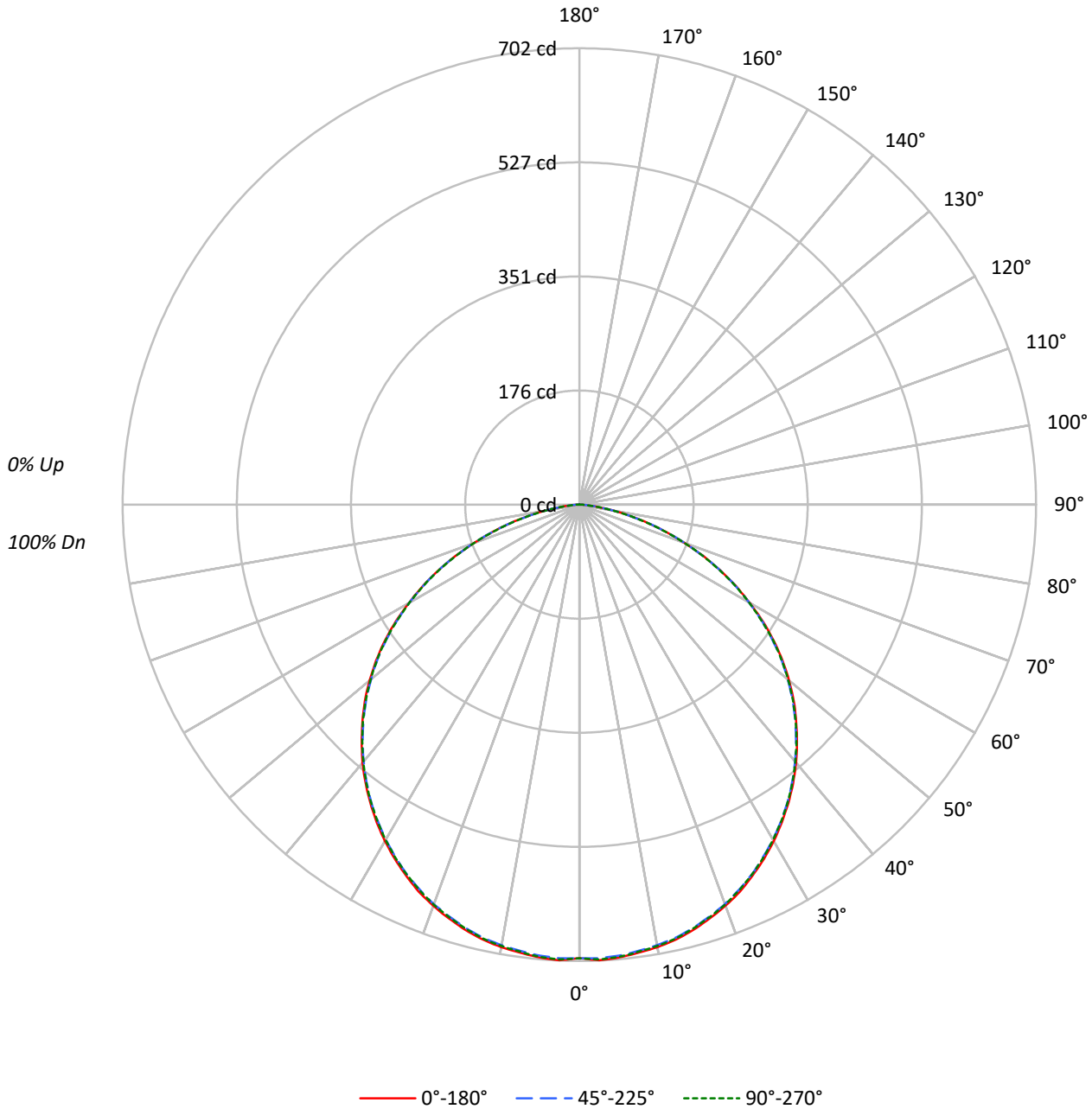
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1951.1 lumens  
Efficiency: N/A  
Efficacy: 101.6 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				20	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	1877	1877	1877
5°	1889	1881	1887
10°	1889	1881	1884
15°	1887	1879	1881
20°	1881	1873	1876
25°	1871	1863	1864
30°	1857	1849	1851
35°	1840	1833	1835
40°	1821	1812	1814
45°	1794	1786	1789
50°	1762	1750	1754
55°	1712	1698	1704
60°	1628	1621	1621
65°	1520	1517	1512
70°	1346	1352	1349
75°	1133	1125	1116
80°	815	801	795
85°	426	426	414

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1794 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.1	3.4
10°-20°	190.0	9.7
20°-30°	288.7	14.8
30°-40°	349.0	17.9
40°-50°	362.2	18.6
50°-60°	323.8	16.6
60°-70°	235.4	12.1
70°-80°	115.8	5.9
80°-90°	20.1	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°	544.8	27.9
0°-40°	893.8	45.8
0°-60°	1579.8	81.0
0°-90°	1951.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	699	691	696	694	699	66
15°	677	670	674	673	675	191
25°	630	623	628	626	628	290
35°	560	556	558	558	558	350
45°	472	469	469	470	470	364
55°	365	363	362	363	363	325
65°	239	240	238	238	238	235
75°	109	110	108	109	107	116
85°	14	14	14	14	13	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	697.7	697.7	697.7	697.7	697.7
2.5°	701.6	693.4	698.6	695.5	700.3
5°	699.4	691.2	696.4	693.8	698.6
7.5°	695.5	687.4	692.5	689.9	693.8
10°	691.2	682.6	688.2	685.6	689.5
12.5°	685.6	677.4	682.6	680.5	683.9
15°	677.4	669.7	674.4	672.7	675.3
17.5°	667.5	659.8	664.5	663.2	665.4
20°	656.8	649.4	654.2	652.9	655.0
22.5°	644.7	636.9	641.2	640.4	642.1
25°	630.0	623.1	627.5	626.2	627.9
27.5°	614.5	608.1	611.5	611.5	612.4
30°	597.7	591.7	595.1	595.1	595.6
32.5°	579.6	574.9	577.0	577.5	577.5
35°	560.2	556.3	558.1	558.5	558.5
37.5°	540.0	536.1	537.4	538.3	538.3
40°	518.4	515.0	515.8	516.7	516.3
42.5°	495.2	492.6	493.0	493.9	493.9
45°	471.5	469.3	469.3	470.2	470.2
47.5°	447.3	445.2	444.3	445.2	445.2
50°	421.0	418.9	418.0	418.9	418.9
52.5°	393.5	391.3	391.3	391.3	391.7
55°	365.0	362.9	362.0	362.9	363.3
57.5°	334.8	334.0	332.7	333.1	331.8
60°	302.5	302.5	301.2	302.1	301.2
62.5°	271.1	271.9	270.6	270.6	269.8
65°	238.7	239.6	238.3	238.3	237.5
67.5°	205.6	206.9	205.1	205.1	204.3
70°	171.1	173.7	171.9	172.4	171.5
72.5°	140.1	141.3	139.6	139.6	138.8
75°	109.0	109.9	108.2	108.6	107.3
77.5°	78.4	79.7	78.0	78.4	78.0
80°	52.6	53.0	51.7	52.1	51.3
82.5°	30.6	31.0	30.6	30.2	29.7
85°	13.8	14.2	13.8	13.8	13.4
87.5°	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)