

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: P973854

Luminaire Tested: FLR2-22-25HE-L935-CP125

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P973854  
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-L935-CP125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

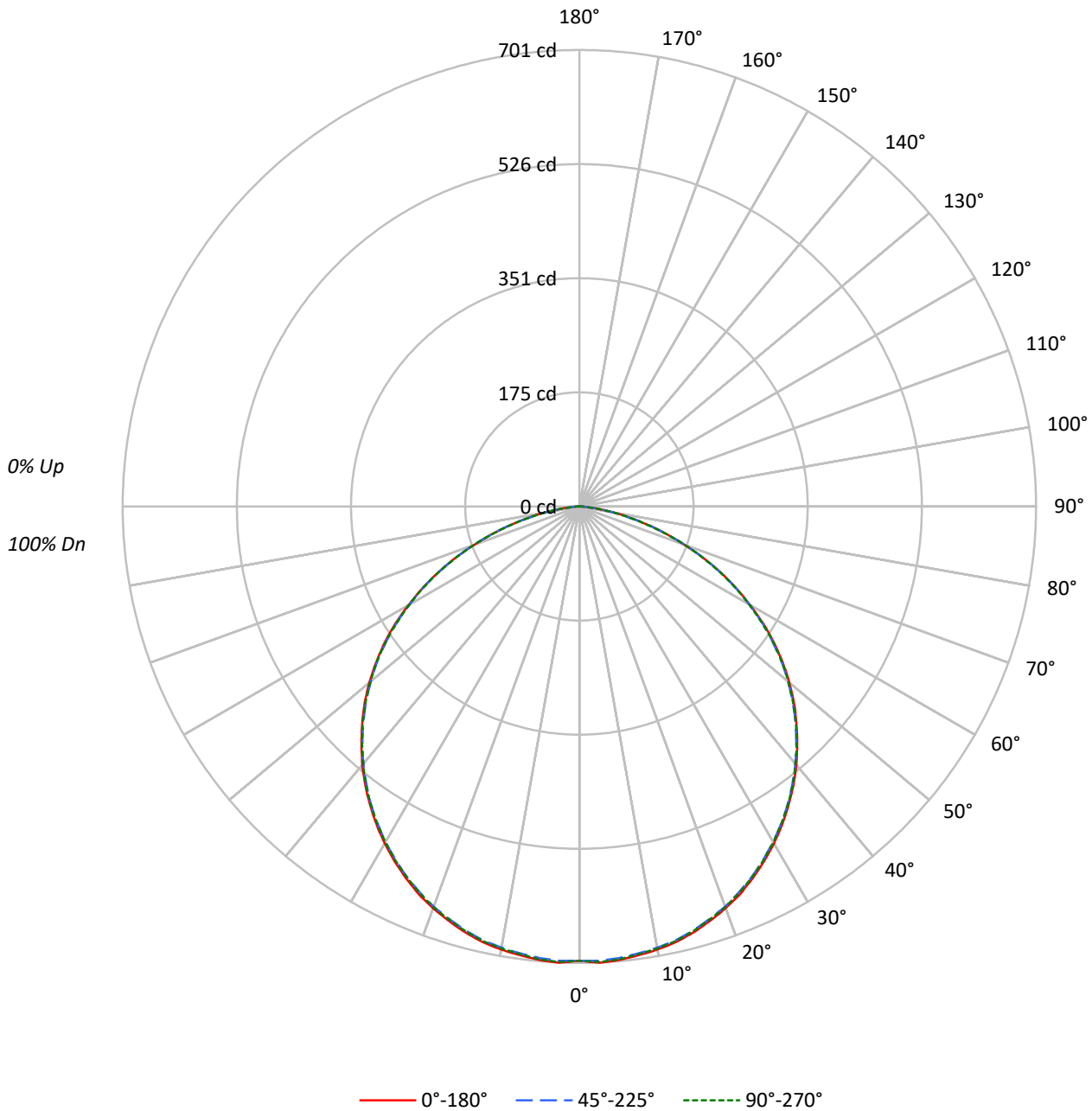
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1950.5 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	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°	1877	1877	1877
5°	1889	1881	1886
10°	1888	1880	1884
15°	1887	1878	1881
20°	1880	1873	1875
25°	1870	1863	1864
30°	1857	1849	1850
35°	1840	1833	1834
40°	1821	1812	1813
45°	1794	1785	1789
50°	1762	1750	1753
55°	1712	1698	1704
60°	1628	1621	1621
65°	1520	1517	1512
70°	1345	1352	1349
75°	1133	1124	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°	66.0	3.4
10°-20°	189.9	9.7
20°-30°	288.6	14.8
30°-40°	348.9	17.9
40°-50°	362.1	18.6
50°-60°	323.7	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°	544.6	27.9
0°-40°	893.5	45.8
0°-60°	1579.3	81.0
0°-90°	1950.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1950.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	699	691	696	694	698	66
15°	677	670	674	672	675	191
25°	630	623	627	626	628	290
35°	560	556	558	558	558	350
45°	471	469	469	470	470	364
55°	365	363	362	363	363	325
65°	239	240	238	238	237	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°	697.5	697.5	697.5	697.5	697.5
2.5°	701.4	693.2	698.3	695.3	700.1
5°	699.2	691.0	696.2	693.6	698.3
7.5°	695.3	687.1	692.3	689.7	693.6
10°	691.0	682.4	688.0	685.4	689.3
12.5°	685.4	677.2	682.4	680.2	683.7
15°	677.2	669.5	674.2	672.5	675.1
17.5°	667.3	659.6	664.3	663.0	665.2
20°	656.5	649.2	654.0	652.7	654.8
22.5°	644.5	636.7	641.0	640.2	641.9
25°	629.8	622.9	627.3	626.0	627.7
27.5°	614.3	607.9	611.3	611.3	612.2
30°	597.5	591.5	594.9	594.9	595.4
32.5°	579.4	574.7	576.8	577.3	577.3
35°	560.0	556.2	557.9	558.3	558.3
37.5°	539.8	535.9	537.2	538.1	538.1
40°	518.3	514.8	515.7	516.5	516.1
42.5°	495.0	492.4	492.8	493.7	493.7
45°	471.3	469.1	469.1	470.0	470.0
47.5°	447.2	445.0	444.2	445.0	445.0
50°	420.9	418.7	417.9	418.7	418.7
52.5°	393.3	391.2	391.2	391.2	391.6
55°	364.9	362.7	361.9	362.7	363.2
57.5°	334.7	333.9	332.6	333.0	331.7
60°	302.4	302.4	301.1	302.0	301.1
62.5°	271.0	271.8	270.5	270.5	269.7
65°	238.7	239.5	238.2	238.2	237.4
67.5°	205.5	206.8	205.1	205.1	204.2
70°	171.0	173.6	171.9	172.3	171.5
72.5°	140.0	141.3	139.6	139.6	138.7
75°	109.0	109.9	108.1	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)