

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: P973551

Luminaire Tested: FLR2-22-35-L930-CA125

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P973551  
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: FLR2-22-35-L930-CA125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

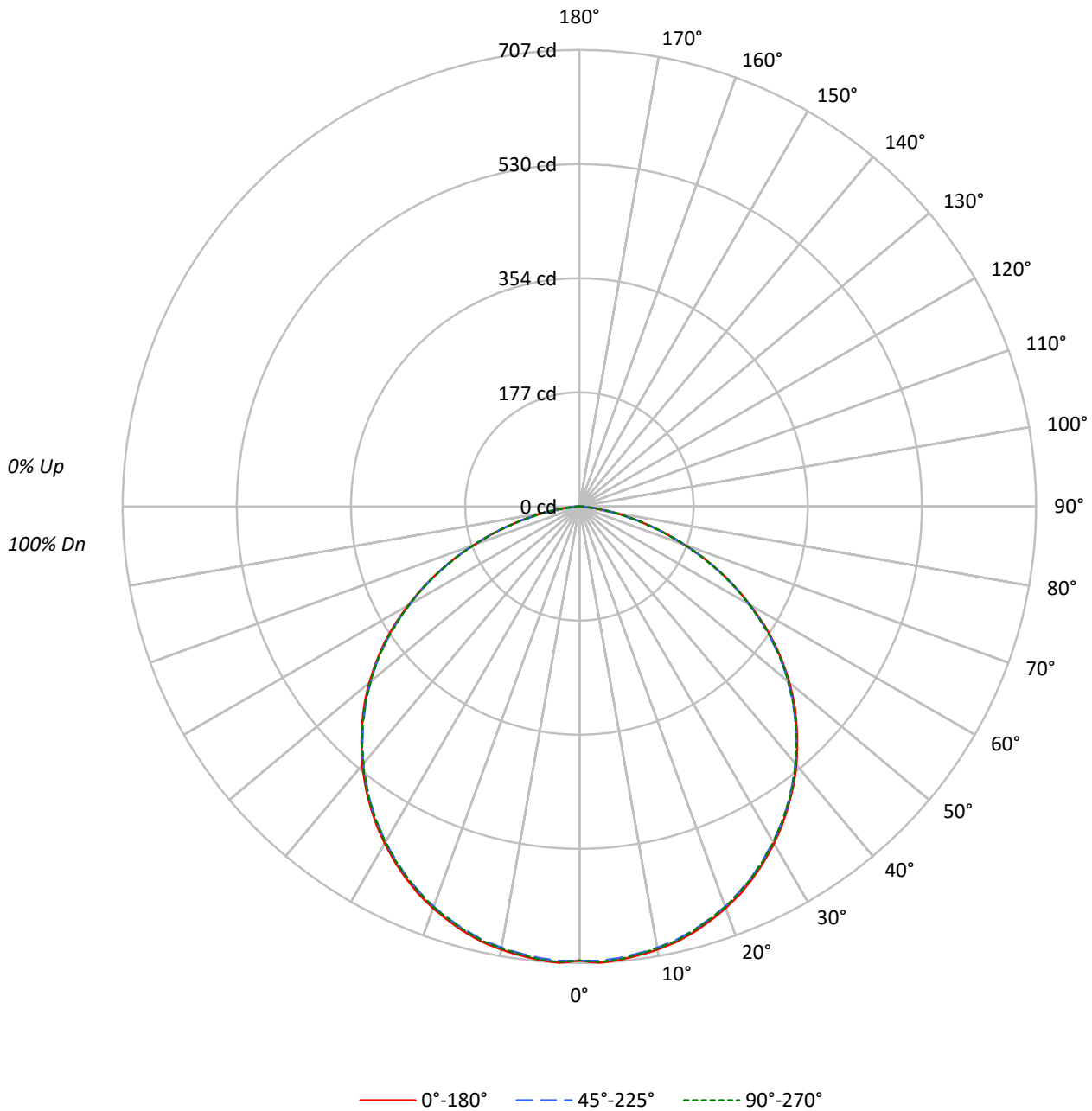
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1967.1 lumens  
Efficiency: N/A  
Efficacy: 70.5 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): 27.9  
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

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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°	1893	1893	1893
5°	1905	1897	1902
10°	1904	1896	1899
15°	1903	1894	1897
20°	1896	1889	1891
25°	1886	1878	1879
30°	1872	1864	1866
35°	1855	1848	1850
40°	1836	1827	1828
45°	1809	1800	1804
50°	1777	1764	1768
55°	1727	1712	1719
60°	1641	1635	1635
65°	1533	1530	1524
70°	1357	1364	1360
75°	1143	1134	1125
80°	821	807	801
85°	429	429	417

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1809 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	3.4
10°-20°	191.5	9.7
20°-30°	291.1	14.8
30°-40°	351.8	17.9
40°-50°	365.2	18.6
50°-60°	326.5	16.6
60°-70°	237.4	12.1
70°-80°	116.7	5.9
80°-90°	20.2	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°	549.2	27.9
0°-40°	901.1	45.8
0°-60°	1592.7	81.0
0°-90°	1967.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	703	703	703	703	703	
5°	705	697	702	700	704	67
15°	683	675	680	678	681	193
25°	635	628	633	631	633	293
35°	565	561	563	563	563	353
45°	475	473	473	474	474	367
55°	368	366	365	366	366	328
65°	241	242	240	240	239	237
75°	110	111	109	110	108	117
85°	14	14	14	14	14	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	703.4	703.4	703.4	703.4	703.4
2.5°	707.3	699.1	704.3	701.2	706.0
5°	705.1	696.9	702.1	699.5	704.3
7.5°	701.2	693.0	698.2	695.6	699.5
10°	696.9	688.2	693.8	691.2	695.1
12.5°	691.2	683.0	688.2	686.0	689.5
15°	683.0	675.2	679.9	678.2	680.8
17.5°	673.0	665.2	670.0	668.6	670.8
20°	662.1	654.7	659.5	658.2	660.4
22.5°	650.0	642.1	646.5	645.6	647.4
25°	635.2	628.2	632.6	631.3	633.0
27.5°	619.6	613.0	616.5	616.5	617.4
30°	602.6	596.5	600.0	600.0	600.4
32.5°	584.4	579.6	581.8	582.2	582.2
35°	564.8	560.9	562.6	563.1	563.1
37.5°	544.4	540.5	541.8	542.7	542.7
40°	522.7	519.2	520.1	520.9	520.5
42.5°	499.2	496.6	497.0	497.9	497.9
45°	475.3	473.1	473.1	474.0	474.0
47.5°	451.0	448.8	447.9	448.8	448.8
50°	424.5	422.3	421.4	422.3	422.3
52.5°	396.7	394.5	394.5	394.5	394.9
55°	368.0	365.8	365.0	365.8	366.3
57.5°	337.6	336.7	335.4	335.8	334.5
60°	305.0	305.0	303.7	304.6	303.7
62.5°	273.3	274.1	272.8	272.8	272.0
65°	240.7	241.6	240.3	240.3	239.4
67.5°	207.2	208.5	206.8	206.8	205.9
70°	172.5	175.1	173.4	173.8	172.9
72.5°	141.2	142.5	140.8	140.8	139.9
75°	109.9	110.8	109.1	109.5	108.2
77.5°	79.1	80.4	78.6	79.1	78.6
80°	53.0	53.4	52.1	52.6	51.7
82.5°	30.8	31.3	30.8	30.4	30.0
85°	13.9	14.3	13.9	13.9	13.5
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)