

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: P973788

Luminaire Tested: FLR2-22-25HE-L930-CP375

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P973788  
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-L930-CP375  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

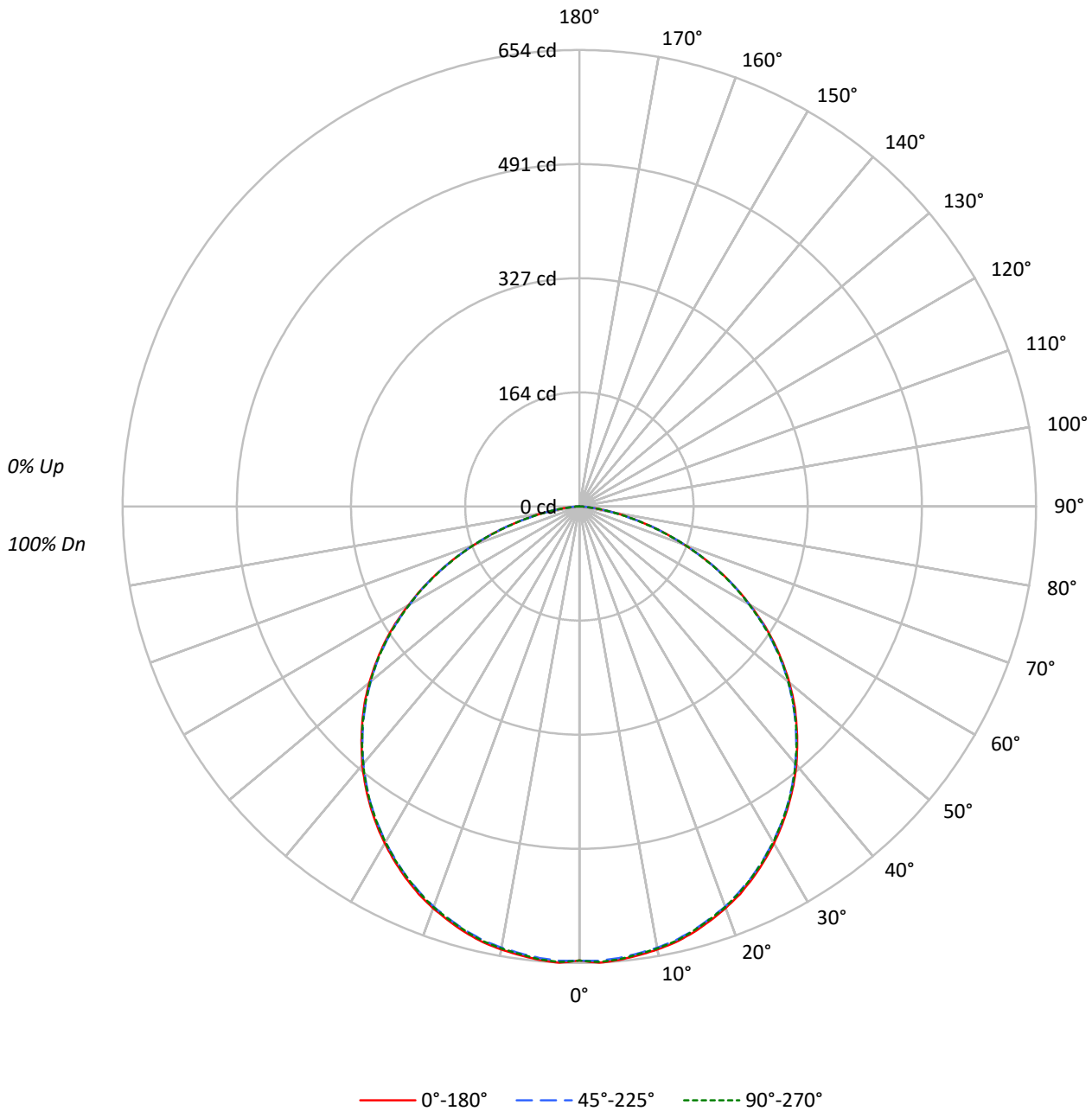
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1819.6 lumens  
Efficiency: N/A  
Efficacy: 94.8 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	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°	1751	1751	1751
5°	1762	1754	1760
10°	1761	1754	1757
15°	1760	1752	1755
20°	1754	1747	1749
25°	1745	1738	1739
30°	1732	1725	1726
35°	1716	1710	1711
40°	1698	1690	1691
45°	1673	1666	1669
50°	1644	1632	1635
55°	1597	1584	1590
60°	1518	1512	1512
65°	1417	1415	1410
70°	1256	1262	1259
75°	1057	1049	1041
80°	759	747	741
85°	398	398	386

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1673 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.6	3.4
10°-20°	177.2	9.7
20°-30°	269.3	14.8
30°-40°	325.5	17.9
40°-50°	337.8	18.6
50°-60°	302.0	16.6
60°-70°	219.6	12.1
70°-80°	108.0	5.9
80°-90°	18.7	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°	508.1	27.9
0°-40°	833.5	45.8
0°-60°	1473.3	81.0
0°-90°	1819.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1819.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	652	645	650	647	652	62
15°	632	624	629	627	630	178
25°	588	581	585	584	586	271
35°	522	519	520	521	521	327
45°	440	438	438	438	438	339
55°	340	338	338	338	339	303
65°	223	224	222	222	221	220
75°	102	102	101	101	100	108
85°	13	13	13	13	12	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	650.7	650.7	650.7	650.7	650.7
2.5°	654.3	646.6	651.5	648.7	653.1
5°	652.3	644.6	649.5	647.0	651.5
7.5°	648.7	641.0	645.8	643.4	647.0
10°	644.6	636.6	641.8	639.4	643.0
12.5°	639.4	631.8	636.6	634.6	637.8
15°	631.8	624.5	629.0	627.4	629.8
17.5°	622.5	615.3	619.7	618.5	620.5
20°	612.5	605.7	610.1	608.9	610.9
22.5°	601.2	594.0	598.0	597.2	598.8
25°	587.6	581.1	585.2	583.9	585.6
27.5°	573.1	567.1	570.3	570.3	571.1
30°	557.4	551.8	555.0	555.0	555.4
32.5°	540.5	536.1	538.1	538.5	538.5
35°	522.5	518.8	520.5	520.9	520.9
37.5°	503.6	500.0	501.2	502.0	502.0
40°	483.5	480.3	481.1	481.9	481.5
42.5°	461.8	459.4	459.8	460.6	460.6
45°	439.7	437.7	437.7	438.5	438.5
47.5°	417.2	415.2	414.4	415.2	415.2
50°	392.6	390.6	389.8	390.6	390.6
52.5°	366.9	364.9	364.9	364.9	365.3
55°	340.4	338.4	337.6	338.4	338.8
57.5°	312.3	311.5	310.3	310.7	309.5
60°	282.1	282.1	280.9	281.7	280.9
62.5°	252.8	253.6	252.4	252.4	251.6
65°	222.6	223.5	222.2	222.2	221.4
67.5°	191.7	192.9	191.3	191.3	190.5
70°	159.6	162.0	160.4	160.8	160.0
72.5°	130.6	131.8	130.2	130.2	129.4
75°	101.7	102.5	100.9	101.3	100.1
77.5°	73.1	74.4	72.7	73.1	72.7
80°	49.0	49.4	48.2	48.6	47.8
82.5°	28.5	28.9	28.5	28.1	27.7
85°	12.9	13.3	12.9	12.9	12.5
87.5°	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)