

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: P973789

Luminaire Tested: FLR2-22-35HE-L930-CP375

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P973789  
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: FLR2-22-35HE-L930-CP375  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

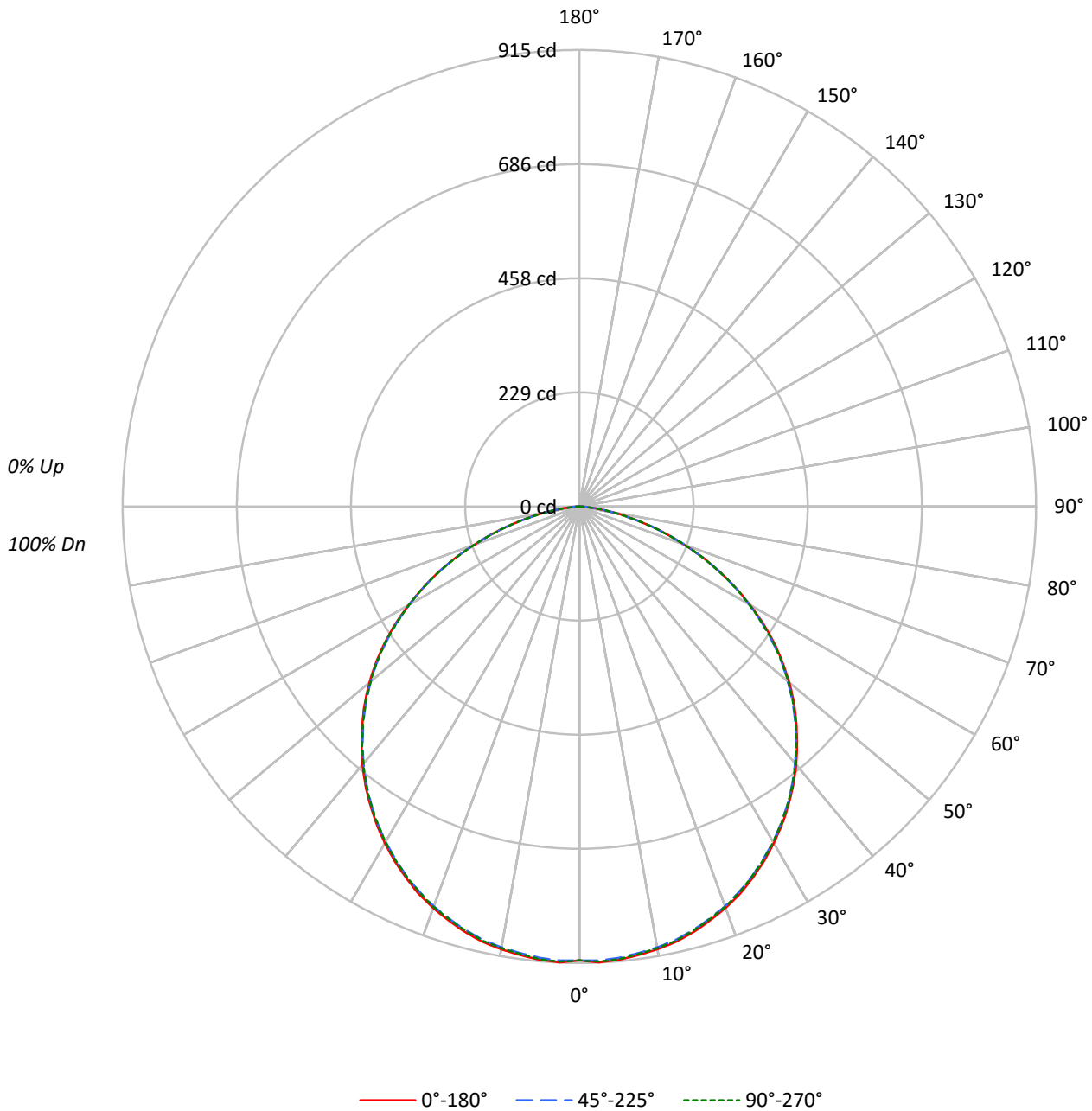
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2544.2 lumens  
Efficiency: N/A  
Efficacy: 93.5 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): 27.2  
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°	2448	2448	2448
5°	2464	2453	2461
10°	2463	2452	2457
15°	2461	2450	2453
20°	2452	2443	2446
25°	2439	2429	2431
30°	2422	2411	2413
35°	2400	2391	2393
40°	2375	2363	2365
45°	2340	2329	2333
50°	2298	2282	2287
55°	2233	2214	2222
60°	2123	2114	2114
65°	1982	1978	1971
70°	1755	1764	1759
75°	1478	1466	1455
80°	1063	1044	1037
85°	556	556	537

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2340 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	3.4
10°-20°	247.7	9.7
20°-30°	376.5	14.8
30°-40°	455.1	17.9
40°-50°	472.3	18.6
50°-60°	422.3	16.6
60°-70°	307.0	12.1
70°-80°	151.0	5.9
80°-90°	26.2	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°	710.4	27.9
0°-40°	1165.4	45.8
0°-60°	2060.0	81.0
0°-90°	2544.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2544.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	912	901	908	905	911	87
15°	883	873	879	877	880	249
25°	822	813	818	816	819	379
35°	730	726	728	728	728	457
45°	615	612	612	613	613	474
55°	476	473	472	473	474	424
65°	311	312	311	311	310	307
75°	142	143	141	142	140	151
85°	18	18	18	18	17	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	909.8	909.8	909.8	909.8	909.8
2.5°	914.8	904.1	910.9	907.0	913.1
5°	912.0	901.3	908.1	904.7	910.9
7.5°	907.0	896.3	903.0	899.7	904.7
10°	901.3	890.1	897.4	894.0	899.1
12.5°	894.0	883.4	890.1	887.3	891.8
15°	883.4	873.2	879.4	877.2	880.5
17.5°	870.4	860.3	866.5	864.8	867.6
20°	856.4	846.8	853.0	851.3	854.1
22.5°	840.7	830.5	836.2	835.0	837.3
25°	821.5	812.6	818.2	816.5	818.7
27.5°	801.3	792.9	797.4	797.4	798.5
30°	779.4	771.5	776.0	776.0	776.6
32.5°	755.8	749.6	752.4	753.0	753.0
35°	730.5	725.5	727.7	728.3	728.3
37.5°	704.1	699.0	700.7	701.9	701.9
40°	676.0	671.5	672.6	673.8	673.2
42.5°	645.7	642.3	642.9	644.0	644.0
45°	614.8	611.9	611.9	613.1	613.1
47.5°	583.3	580.5	579.4	580.5	580.5
50°	549.0	546.2	545.1	546.2	546.2
52.5°	513.0	510.2	510.2	510.2	510.8
55°	476.0	473.1	472.0	473.1	473.7
57.5°	436.6	435.5	433.8	434.4	432.7
60°	394.5	394.5	392.8	393.9	392.8
62.5°	353.5	354.6	352.9	352.9	351.8
65°	311.3	312.4	310.7	310.7	309.6
67.5°	268.0	269.7	267.5	267.5	266.4
70°	223.1	226.5	224.2	224.8	223.6
72.5°	182.6	184.3	182.1	182.1	180.9
75°	142.2	143.3	141.0	141.6	139.9
77.5°	102.3	104.0	101.7	102.3	101.7
80°	68.6	69.1	67.4	68.0	66.9
82.5°	39.9	40.5	39.9	39.3	38.8
85°	18.0	18.5	18.0	18.0	17.4
87.5°	4.5	4.5	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)