

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: P974023

Luminaire Tested: FLR2-22-35HE-L950-CP125

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P974023  
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-L950-CP125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

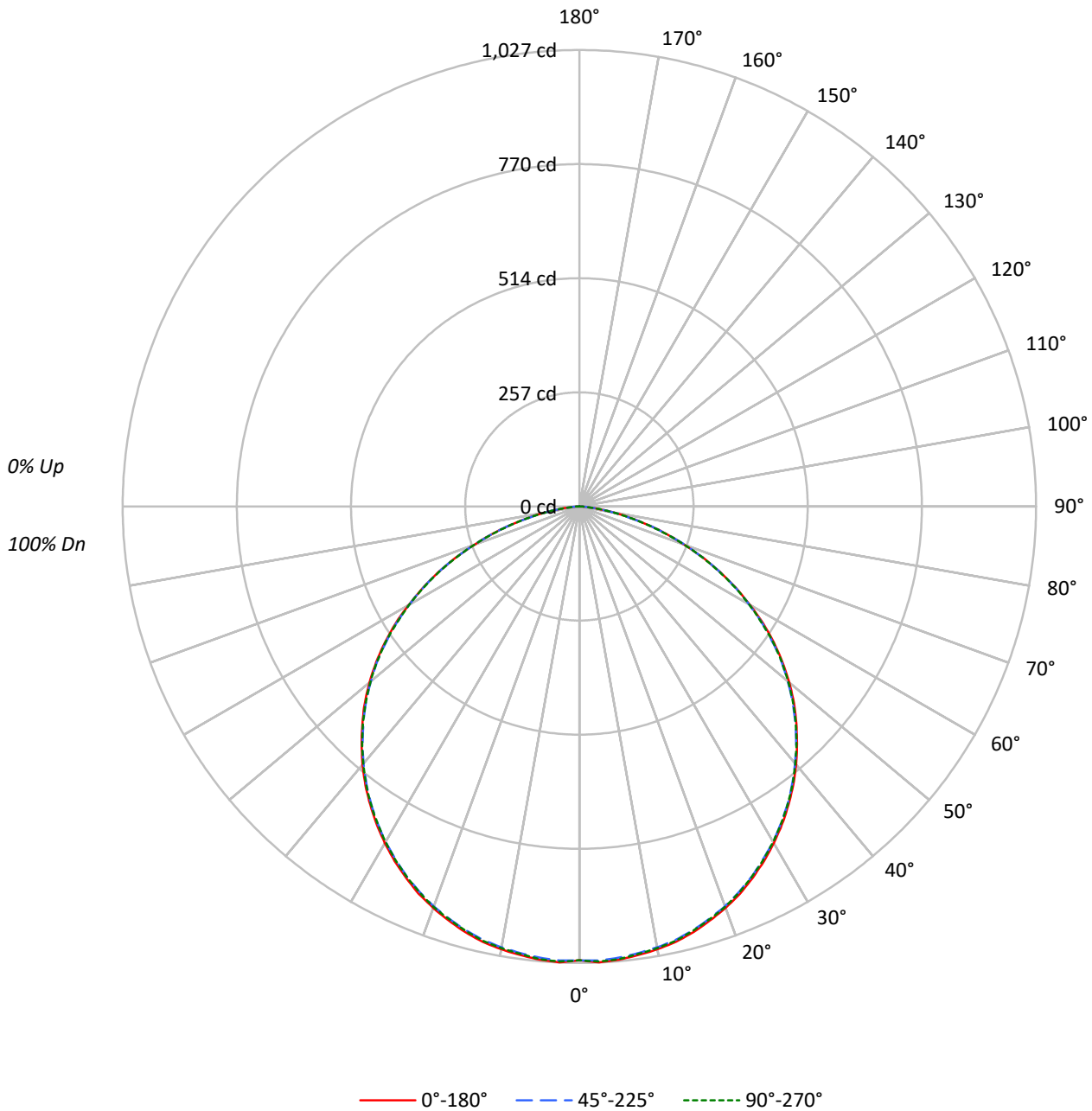
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2855.6 lumens  
Efficiency: N/A  
Efficacy: 105.0 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										
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	0														
RCR																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100														
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85						85														
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71						71														
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60						60														
4	83	71	63	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51						51														
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44						44														
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39						39														
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34						34														
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30						30														
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27						27														
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25						25														

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2748	2748	2748
5°	2765	2753	2762
10°	2764	2752	2757
15°	2762	2750	2753
20°	2753	2742	2745
25°	2738	2727	2728
30°	2718	2706	2708
35°	2693	2683	2685
40°	2665	2652	2654
45°	2626	2614	2619
50°	2580	2561	2566
55°	2506	2486	2495
60°	2383	2373	2373
65°	2225	2221	2213
70°	1970	1980	1975
75°	1659	1646	1632
80°	1192	1173	1164
85°	624	624	605

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2626 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	3.4
10°-20°	278.1	9.7
20°-30°	422.6	14.8
30°-40°	510.7	17.9
40°-50°	530.1	18.6
50°-60°	474.0	16.6
60°-70°	344.6	12.1
70°-80°	169.5	5.9
80°-90°	29.4	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°	797.3	27.9
0°-40°	1308.1	45.8
0°-60°	2312.1	81.0
0°-90°	2855.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2855.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1024	1012	1019	1015	1022	97
15°	992	980	987	984	988	280
25°	922	912	918	916	919	425
35°	820	814	817	817	817	513
45°	690	687	687	688	688	532
55°	534	531	530	531	532	476
65°	349	351	349	349	348	345
75°	160	161	158	159	157	169
85°	20	21	20	20	20	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	1026.8	1014.8	1022.4	1018.0	1024.9
5°	1023.6	1011.7	1019.2	1015.4	1022.4
7.5°	1018.0	1006.0	1013.5	1009.8	1015.4
10°	1011.7	999.0	1007.2	1003.5	1009.1
12.5°	1003.5	991.5	999.0	995.9	1000.9
15°	991.5	980.1	987.1	984.5	988.3
17.5°	977.0	965.6	972.5	970.7	973.8
20°	961.2	950.5	957.4	955.5	958.7
22.5°	943.5	932.2	938.5	937.2	939.8
25°	922.1	912.0	918.3	916.4	918.9
27.5°	899.4	889.9	895.0	895.0	896.2
30°	874.8	866.0	871.0	871.0	871.6
32.5°	848.3	841.4	844.5	845.1	845.1
35°	819.9	814.2	816.8	817.4	817.4
37.5°	790.3	784.6	786.5	787.8	787.8
40°	758.7	753.7	755.0	756.2	755.6
42.5°	724.7	720.9	721.5	722.8	722.8
45°	690.0	686.8	686.8	688.1	688.1
47.5°	654.7	651.5	650.3	651.5	651.5
50°	616.2	613.0	611.8	613.0	613.0
52.5°	575.8	572.7	572.7	572.7	573.3
55°	534.2	531.1	529.8	531.1	531.7
57.5°	490.1	488.8	486.9	487.5	485.6
60°	442.8	442.8	440.9	442.1	440.9
62.5°	396.7	398.0	396.1	396.1	394.8
65°	349.4	350.7	348.8	348.8	347.5
67.5°	300.8	302.7	300.2	300.2	299.0
70°	250.4	254.2	251.7	252.3	251.0
72.5°	205.0	206.9	204.3	204.3	203.1
75°	159.6	160.8	158.3	158.9	157.0
77.5°	114.8	116.7	114.2	114.8	114.2
80°	76.9	77.6	75.7	76.3	75.1
82.5°	44.8	45.4	44.8	44.1	43.5
85°	20.2	20.8	20.2	20.2	19.6
87.5°	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)