

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: P973873

Luminaire Tested: FLR2-22-35HE-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973873
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-L935-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

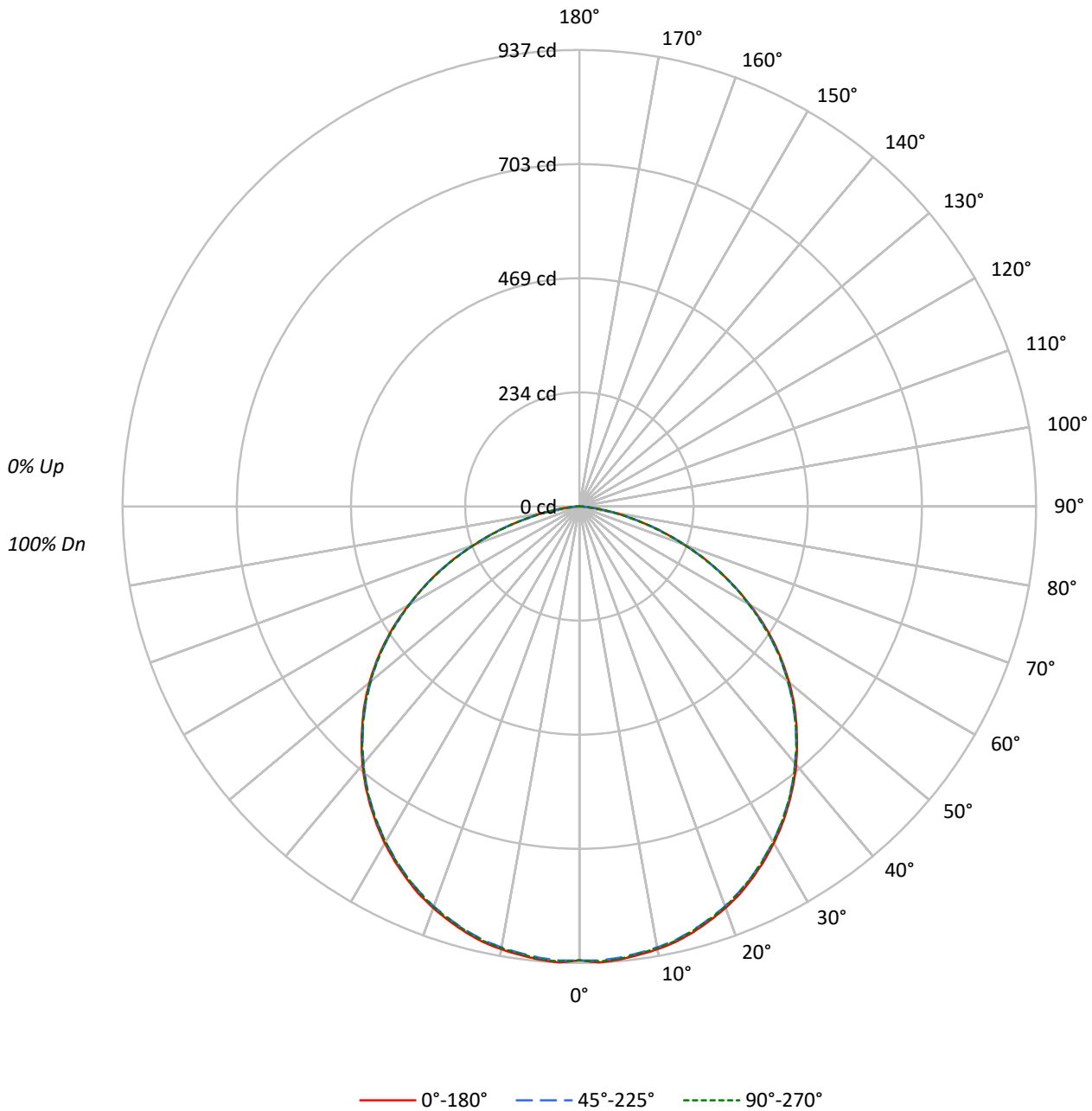
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2605.5 lumens
Efficiency: N/A
Efficacy: 95.8 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): 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°	2507	2507	2507
5°	2523	2512	2520
10°	2522	2511	2516
15°	2520	2509	2512
20°	2511	2502	2505
25°	2498	2488	2490
30°	2480	2469	2471
35°	2458	2448	2450
40°	2432	2420	2422
45°	2396	2385	2389
50°	2354	2337	2342
55°	2287	2268	2276
60°	2174	2165	2165
65°	2030	2026	2019
70°	1798	1806	1802
75°	1514	1501	1490
80°	1088	1071	1062
85°	568	568	550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	3.4
10°-20°	253.7	9.7
20°-30°	385.5	14.8
30°-40°	466.0	17.9
40°-50°	483.7	18.6
50°-60°	432.4	16.6
60°-70°	314.4	12.1
70°-80°	154.6	5.9
80°-90°	26.8	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°	727.5	27.9
0°-40°	1193.5	45.8
0°-60°	2109.6	81.0
0°-90°	2605.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2605.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	934	923	930	926	933	89
15°	905	894	901	898	902	255
25°	841	832	838	836	838	388
35°	748	743	745	746	746	468
45°	630	627	627	628	628	486
55°	487	484	483	484	485	434
65°	319	320	318	318	317	314
75°	146	147	144	145	143	155
85°	18	19	18	18	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	931.7	931.7	931.7	931.7	931.7
2.5°	936.9	925.9	932.8	928.8	935.1
5°	934.0	923.1	930.0	926.5	932.8
7.5°	928.8	917.9	924.8	921.3	926.5
10°	923.1	911.5	919.0	915.6	920.8
12.5°	915.6	904.6	911.5	908.7	913.3
15°	904.6	894.3	900.6	898.3	901.8
17.5°	891.4	881.0	887.4	885.7	888.5
20°	877.0	867.2	873.6	871.8	874.7
22.5°	860.9	850.5	856.3	855.2	857.5
25°	841.3	832.1	837.9	836.2	838.5
27.5°	820.6	812.0	816.6	816.6	817.7
30°	798.2	790.1	794.7	794.7	795.3
32.5°	774.0	767.7	770.6	771.1	771.1
35°	748.1	742.9	745.2	745.8	745.8
37.5°	721.1	715.9	717.6	718.8	718.8
40°	692.3	687.7	688.8	690.0	689.4
42.5°	661.2	657.8	658.3	659.5	659.5
45°	629.6	626.7	626.7	627.8	627.8
47.5°	597.3	594.5	593.3	594.5	594.5
50°	562.2	559.4	558.2	559.4	559.4
52.5°	525.4	522.5	522.5	522.5	523.1
55°	487.4	484.5	483.4	484.5	485.1
57.5°	447.1	446.0	444.3	444.8	443.1
60°	404.0	404.0	402.3	403.4	402.3
62.5°	362.0	363.1	361.4	361.4	360.2
65°	318.8	320.0	318.2	318.2	317.1
67.5°	274.5	276.2	273.9	273.9	272.8
70°	228.5	231.9	229.6	230.2	229.0
72.5°	187.0	188.8	186.5	186.5	185.3
75°	145.6	146.7	144.4	145.0	143.3
77.5°	104.7	106.5	104.2	104.7	104.2
80°	70.2	70.8	69.1	69.6	68.5
82.5°	40.9	41.4	40.9	40.3	39.7
85°	18.4	19.0	18.4	18.4	17.8
87.5°	4.6	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)