

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: P973531

Luminaire Tested: FLR2-22-35-L930-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973531
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-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

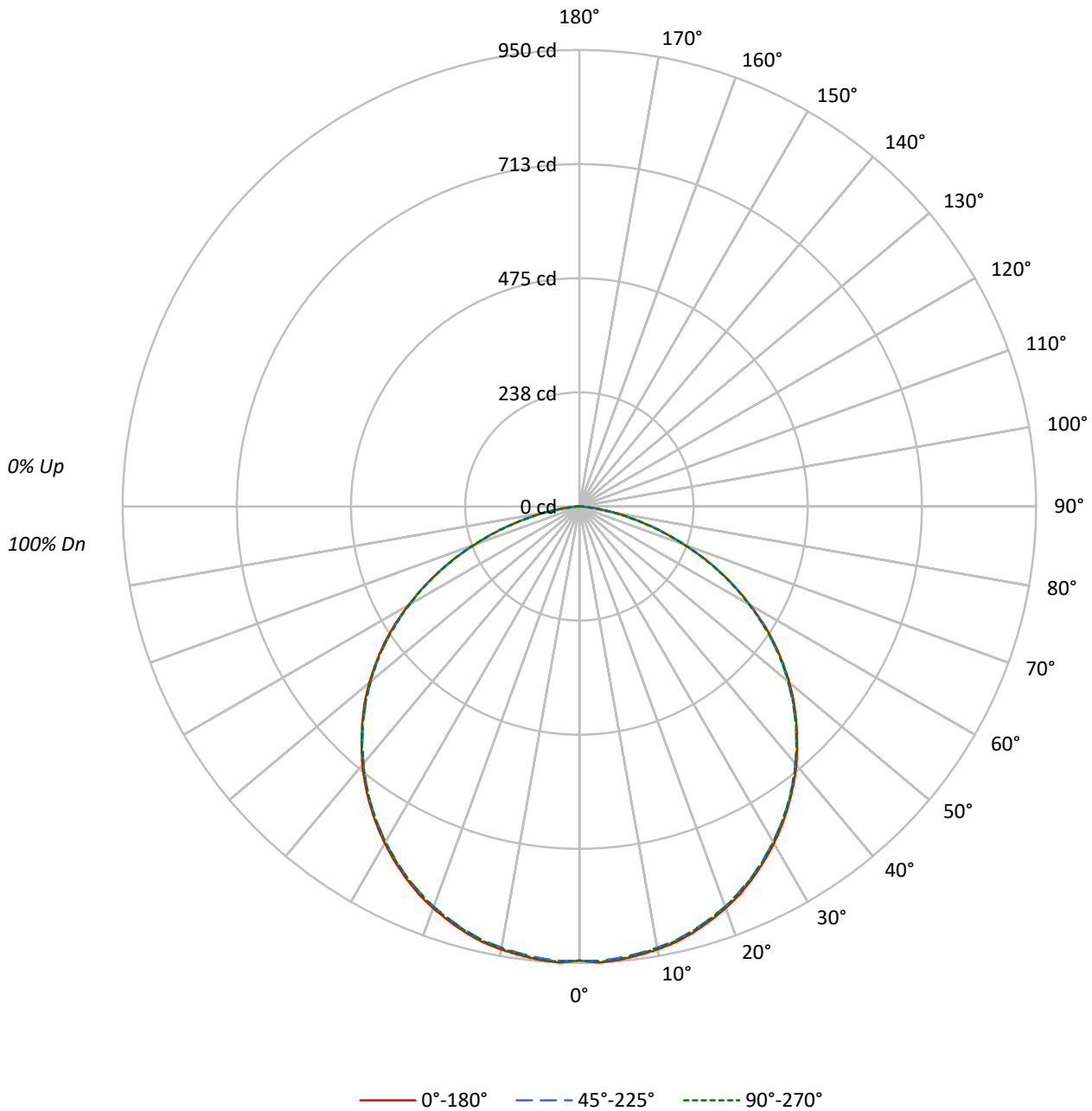
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2643.0 lumens
Efficiency: N/A
Efficacy: 94.7 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										
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																				
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°	2543	2543	2543
5°	2559	2548	2556
10°	2558	2547	2552
15°	2557	2545	2548
20°	2548	2538	2541
25°	2534	2523	2525
30°	2516	2505	2507
35°	2493	2484	2485
40°	2467	2454	2457
45°	2430	2419	2424
50°	2388	2370	2375
55°	2320	2301	2309
60°	2206	2196	2196
65°	2059	2055	2048
70°	1823	1832	1828
75°	1536	1523	1512
80°	1103	1086	1077
85°	577	577	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2430 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	3.4
10°-20°	257.4	9.7
20°-30°	391.1	14.8
30°-40°	472.7	17.9
40°-50°	490.7	18.6
50°-60°	438.7	16.6
60°-70°	318.9	12.1
70°-80°	156.8	5.9
80°-90°	27.2	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°	737.9	27.9
0°-40°	1210.7	45.8
0°-60°	2140.0	81.0
0°-90°	2643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	947	936	943	940	946	90
15°	918	907	914	911	915	259
25°	853	844	850	848	850	393
35°	759	754	756	756	756	475
45°	639	636	636	637	637	493
55°	494	492	490	492	492	441
65°	323	325	323	323	322	319
75°	148	149	146	147	145	157
85°	19	19	19	19	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.1	945.1	945.1	945.1	945.1
2.5°	950.3	939.3	946.3	942.2	948.6
5°	947.4	936.3	943.3	939.8	946.3
7.5°	942.2	931.1	938.1	934.6	939.8
10°	936.3	924.7	932.2	928.7	934.0
12.5°	928.7	917.7	924.7	921.7	926.4
15°	917.7	907.1	913.6	911.2	914.7
17.5°	904.2	893.7	900.1	898.4	901.3
20°	889.6	879.7	886.1	884.4	887.3
22.5°	873.3	862.8	868.6	867.5	869.8
25°	853.4	844.1	849.9	848.2	850.5
27.5°	832.4	823.7	828.3	828.3	829.5
30°	809.7	801.5	806.2	806.2	806.7
32.5°	785.1	778.7	781.6	782.2	782.2
35°	758.9	753.6	756.0	756.5	756.5
37.5°	731.4	726.2	727.9	729.1	729.1
40°	702.3	697.6	698.7	699.9	699.3
42.5°	670.7	667.2	667.8	669.0	669.0
45°	638.6	635.7	635.7	636.9	636.9
47.5°	605.9	603.0	601.8	603.0	603.0
50°	570.3	567.4	566.2	567.4	567.4
52.5°	533.0	530.0	530.0	530.0	530.6
55°	494.4	491.5	490.4	491.5	492.1
57.5°	453.6	452.4	450.7	451.2	449.5
60°	409.8	409.8	408.0	409.2	408.0
62.5°	367.2	368.3	366.6	366.6	365.4
65°	323.4	324.6	322.8	322.8	321.6
67.5°	278.4	280.2	277.9	277.9	276.7
70°	231.7	235.3	232.9	233.5	232.3
72.5°	189.7	191.5	189.1	189.1	188.0
75°	147.7	148.9	146.5	147.1	145.4
77.5°	106.2	108.0	105.7	106.2	105.7
80°	71.2	71.8	70.1	70.6	69.5
82.5°	41.4	42.0	41.4	40.9	40.3
85°	18.7	19.3	18.7	18.7	18.1
87.5°	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)