

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: P973579

Luminaire Tested: FLR2-22-35-L835-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973579
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-L835-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

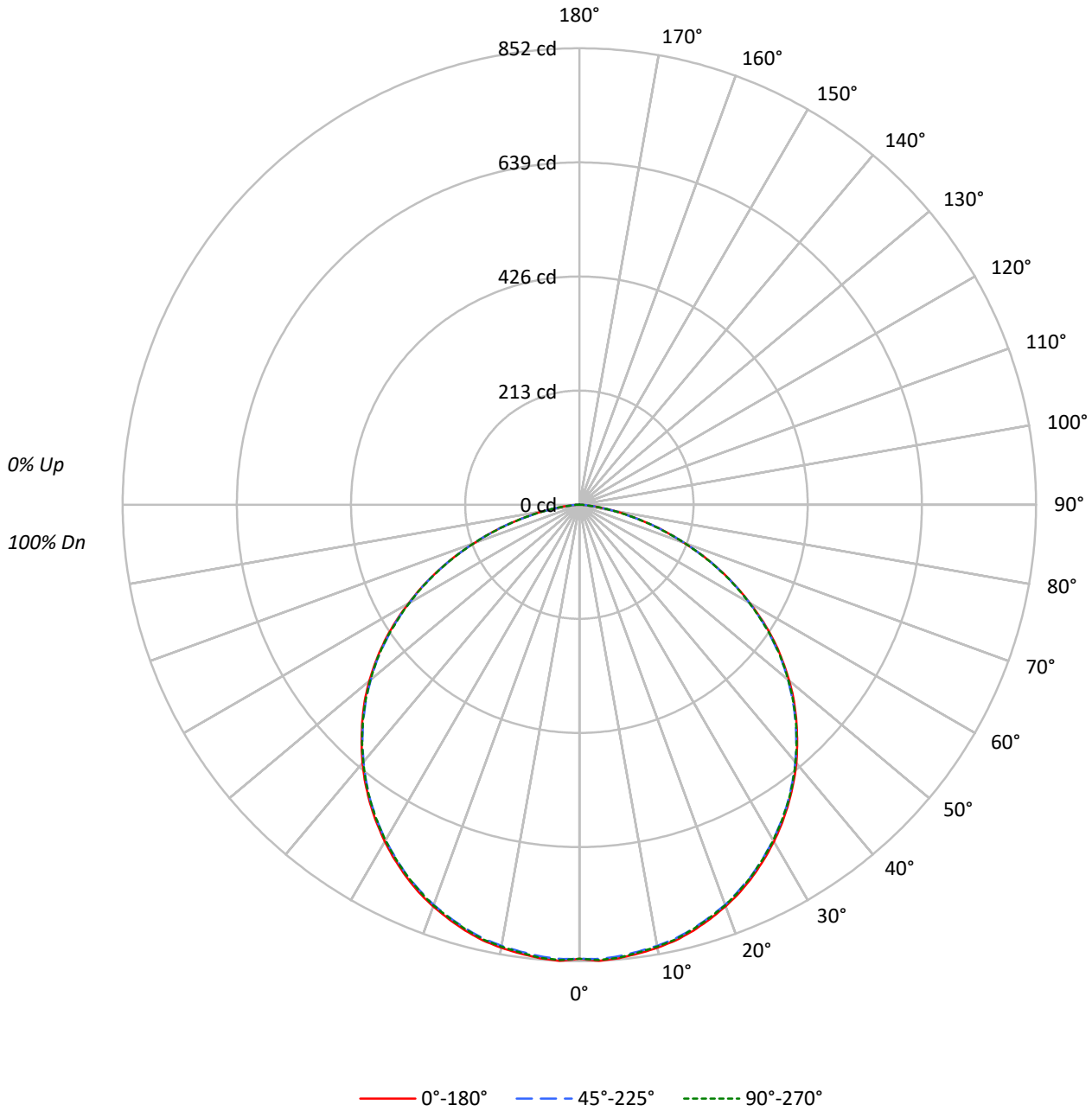
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2370.0 lumens
Efficiency: N/A
Efficacy: 84.9 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						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°	2281	2281	2281
5°	2295	2285	2292
10°	2294	2284	2288
15°	2293	2282	2285
20°	2284	2275	2279
25°	2272	2263	2265
30°	2256	2246	2248
35°	2235	2227	2229
40°	2212	2201	2203
45°	2179	2169	2173
50°	2141	2126	2130
55°	2080	2063	2070
60°	1978	1969	1969
65°	1847	1843	1836
70°	1635	1644	1639
75°	1377	1366	1355
80°	990	973	965
85°	519	519	500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	3.4
10°-20°	230.8	9.7
20°-30°	350.7	14.8
30°-40°	423.9	17.9
40°-50°	440.0	18.6
50°-60°	393.4	16.6
60°-70°	286.0	12.1
70°-80°	140.6	5.9
80°-90°	24.4	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°	661.7	27.9
0°-40°	1085.6	45.8
0°-60°	1919.0	81.0
0°-90°	2370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	850	840	846	843	848	81
15°	823	814	819	817	820	232
25°	765	757	762	761	763	353
35°	680	676	678	678	678	426
45°	573	570	570	571	571	442
55°	443	441	440	441	441	395
65°	290	291	290	290	288	286
75°	132	134	131	132	130	141
85°	17	17	17	17	16	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	847.5	847.5	847.5	847.5	847.5
2.5°	852.2	842.2	848.5	844.9	850.6
5°	849.6	839.6	845.9	842.8	848.5
7.5°	844.9	834.9	841.2	838.1	842.8
10°	839.6	829.2	836.0	832.8	837.5
12.5°	832.8	822.9	829.2	826.5	830.7
15°	822.9	813.5	819.2	817.1	820.3
17.5°	810.8	801.4	807.2	805.6	808.2
20°	797.7	788.8	794.6	793.0	795.7
22.5°	783.1	773.7	778.9	777.9	779.9
25°	765.3	756.9	762.2	760.6	762.7
27.5°	746.4	738.6	742.8	742.8	743.8
30°	726.0	718.7	722.9	722.9	723.4
32.5°	704.0	698.3	700.9	701.4	701.4
35°	680.5	675.8	677.9	678.4	678.4
37.5°	655.9	651.2	652.7	653.8	653.8
40°	629.7	625.5	626.6	627.6	627.1
42.5°	601.5	598.3	598.8	599.9	599.9
45°	572.7	570.0	570.0	571.1	571.1
47.5°	543.3	540.7	539.7	540.7	540.7
50°	511.4	508.8	507.8	508.8	508.8
52.5°	477.9	475.3	475.3	475.3	475.8
55°	443.4	440.7	439.7	440.7	441.3
57.5°	406.7	405.7	404.1	404.6	403.1
60°	367.5	367.5	365.9	366.9	365.9
62.5°	329.3	330.3	328.7	328.7	327.7
65°	290.0	291.0	289.5	289.5	288.4
67.5°	249.7	251.3	249.2	249.2	248.1
70°	207.8	211.0	208.9	209.4	208.3
72.5°	170.1	171.7	169.6	169.6	168.6
75°	132.4	133.5	131.4	131.9	130.3
77.5°	95.3	96.8	94.7	95.3	94.7
80°	63.9	64.4	62.8	63.3	62.3
82.5°	37.2	37.7	37.2	36.6	36.1
85°	16.8	17.3	16.8	16.8	16.2
87.5°	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)