

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: P973719

Luminaire Tested: FLR2-22-35-L950-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973719
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-L950-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

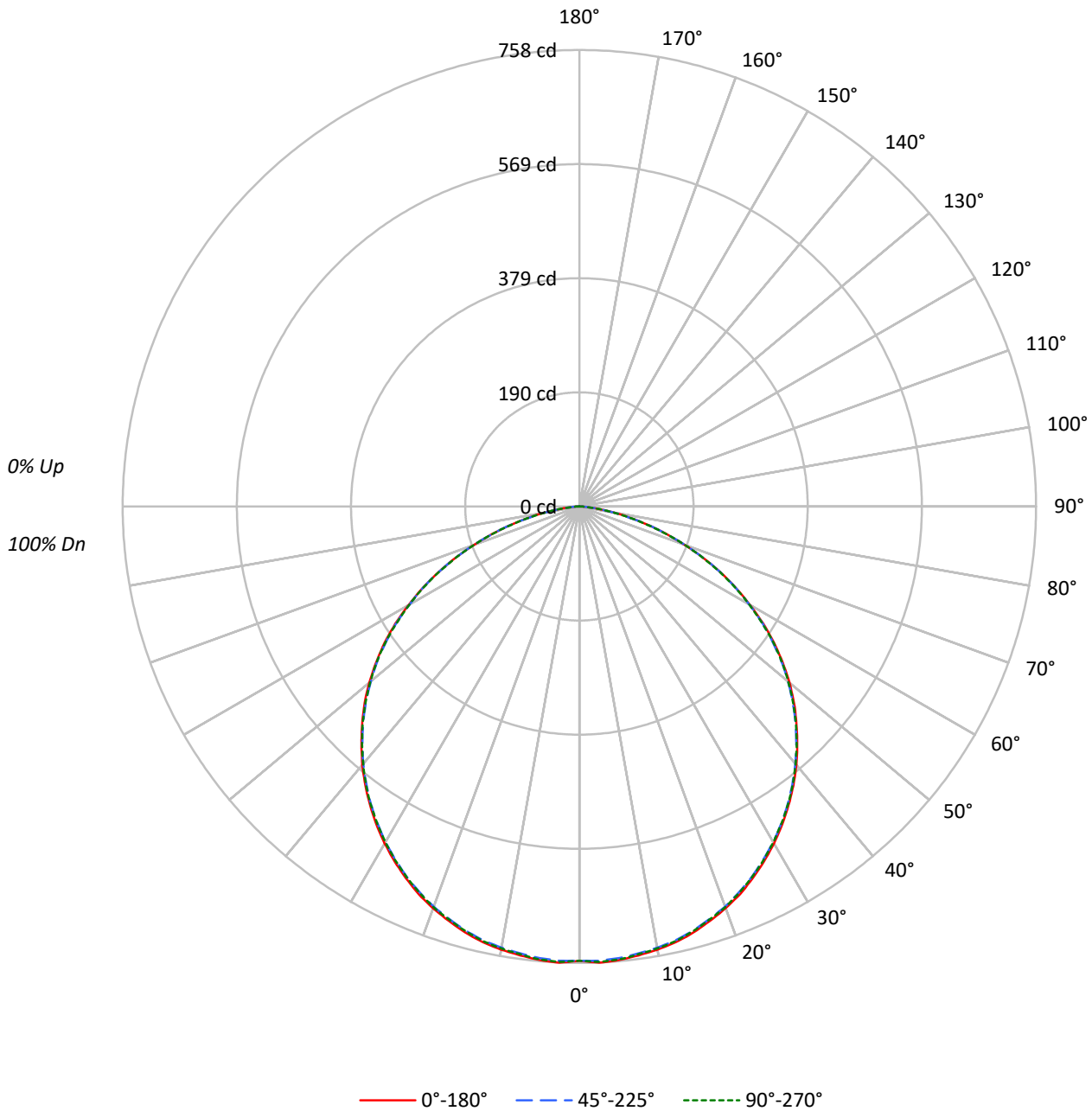
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2109.3 lumens
Efficiency: N/A
Efficacy: 75.6 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				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°	2030	2030	2030
5°	2042	2034	2040
10°	2042	2033	2037
15°	2040	2031	2034
20°	2033	2025	2028
25°	2022	2014	2015
30°	2008	1999	2000
35°	1989	1982	1984
40°	1969	1959	1961
45°	1940	1931	1934
50°	1906	1892	1896
55°	1851	1836	1842
60°	1760	1752	1752
65°	1643	1640	1635
70°	1456	1463	1459
75°	1226	1215	1206
80°	880	866	859
85°	460	460	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.4
10°-20°	205.4	9.7
20°-30°	312.1	14.8
30°-40°	377.3	17.9
40°-50°	391.6	18.6
50°-60°	350.1	16.6
60°-70°	254.5	12.1
70°-80°	125.2	5.9
80°-90°	21.7	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°	588.9	27.9
0°-40°	966.2	45.8
0°-60°	1707.9	81.0
0°-90°	2109.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	756	747	753	750	755	72
15°	732	724	729	727	730	207
25°	681	674	678	677	679	314
35°	606	601	603	604	604	379
45°	510	507	507	508	508	393
55°	395	392	391	392	393	352
65°	258	259	258	258	257	255
75°	118	119	117	117	116	125
85°	15	15	15	15	14	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.3	754.3	754.3	754.3	754.3
2.5°	758.4	749.6	755.2	751.9	757.0
5°	756.1	747.3	752.9	750.1	755.2
7.5°	751.9	743.1	748.7	745.9	750.1
10°	747.3	737.9	744.0	741.2	745.4
12.5°	741.2	732.4	737.9	735.6	739.3
15°	732.4	724.0	729.1	727.2	730.0
17.5°	721.6	713.3	718.4	717.0	719.3
20°	710.0	702.1	707.2	705.8	708.1
22.5°	696.9	688.6	693.2	692.3	694.2
25°	681.1	673.7	678.3	676.9	678.8
27.5°	664.3	657.4	661.1	661.1	662.0
30°	646.2	639.6	643.4	643.4	643.8
32.5°	626.6	621.5	623.8	624.3	624.3
35°	605.6	601.4	603.3	603.8	603.8
37.5°	583.7	579.5	580.9	581.9	581.9
40°	560.4	556.7	557.7	558.6	558.1
42.5°	535.3	532.5	533.0	533.9	533.9
45°	509.7	507.3	507.3	508.3	508.3
47.5°	483.6	481.2	480.3	481.2	481.2
50°	455.2	452.8	451.9	452.8	452.8
52.5°	425.3	423.0	423.0	423.0	423.5
55°	394.6	392.3	391.3	392.3	392.7
57.5°	362.0	361.1	359.7	360.1	358.7
60°	327.0	327.0	325.6	326.6	325.6
62.5°	293.0	294.0	292.6	292.6	291.6
65°	258.1	259.0	257.6	257.6	256.7
67.5°	222.2	223.6	221.8	221.8	220.8
70°	185.0	187.7	185.9	186.4	185.4
72.5°	151.4	152.8	150.9	150.9	150.0
75°	117.9	118.8	116.9	117.4	116.0
77.5°	84.8	86.2	84.3	84.8	84.3
80°	56.8	57.3	55.9	56.4	55.4
82.5°	33.1	33.5	33.1	32.6	32.1
85°	14.9	15.4	14.9	14.9	14.4
87.5°	3.7	3.7	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)