

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: P973710

Luminaire Tested: FLR2-22-25-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973710
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: FLR2-22-25-L950-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

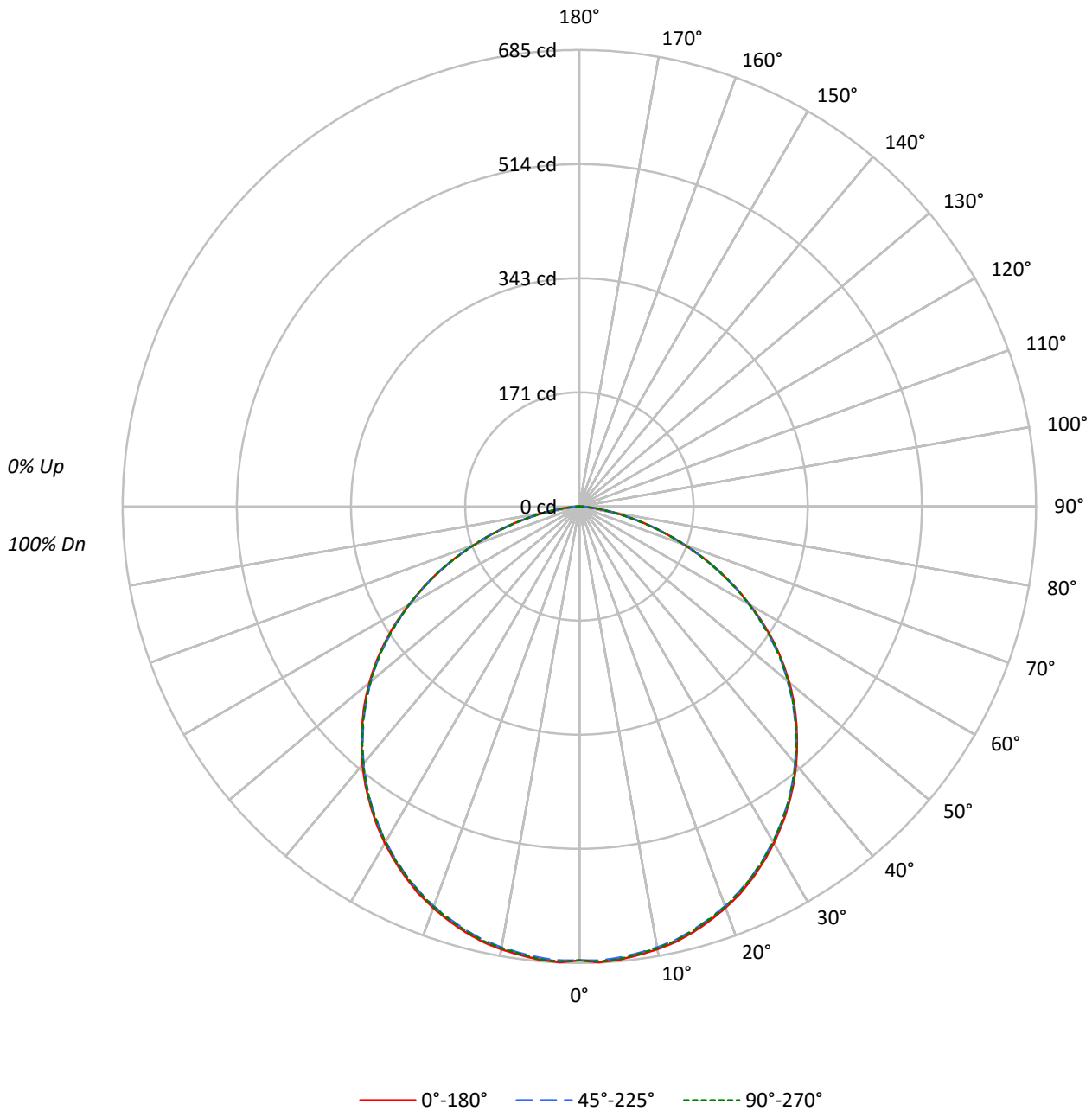
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1904.5 lumens
Efficiency: N/A
Efficacy: 100.8 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): 18.9
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°	1833	1833	1833
5°	1844	1836	1842
10°	1844	1836	1839
15°	1842	1834	1836
20°	1836	1828	1831
25°	1826	1818	1820
30°	1813	1805	1806
35°	1796	1789	1791
40°	1777	1769	1770
45°	1751	1743	1746
50°	1721	1708	1712
55°	1672	1658	1664
60°	1589	1582	1582
65°	1484	1481	1476
70°	1314	1320	1317
75°	1106	1098	1089
80°	795	783	776
85°	417	417	401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.4
10°-20°	185.4	9.7
20°-30°	281.8	14.8
30°-40°	340.6	17.9
40°-50°	353.6	18.6
50°-60°	316.1	16.6
60°-70°	229.8	12.1
70°-80°	113.0	5.9
80°-90°	19.6	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°	531.7	27.9
0°-40°	872.4	45.8
0°-60°	1542.0	81.0
0°-90°	1904.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	683	675	680	677	682	65
15°	661	654	658	657	659	187
25°	615	608	612	611	613	283
35°	547	543	545	545	545	342
45°	460	458	458	459	459	355
55°	356	354	353	354	355	318
65°	233	234	233	233	232	230
75°	106	107	106	106	105	113
85°	14	14	14	14	13	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.0	681.0	681.0	681.0	681.0
2.5°	684.8	676.8	681.8	678.9	683.5
5°	682.7	674.7	679.7	677.2	681.8
7.5°	678.9	670.9	676.0	673.4	677.2
10°	674.7	666.3	671.8	669.2	673.0
12.5°	669.2	661.2	666.3	664.2	667.5
15°	661.2	653.7	658.3	656.6	659.1
17.5°	651.6	644.0	648.6	647.4	649.5
20°	641.0	633.9	638.5	637.3	639.4
22.5°	629.3	621.7	625.9	625.1	626.7
25°	615.0	608.2	612.4	611.2	612.9
27.5°	599.8	593.5	596.9	596.9	597.7
30°	583.4	577.5	580.9	580.9	581.3
32.5°	565.8	561.1	563.2	563.7	563.7
35°	546.8	543.0	544.7	545.1	545.1
37.5°	527.1	523.3	524.5	525.4	525.4
40°	506.0	502.7	503.5	504.3	503.9
42.5°	483.3	480.8	481.2	482.0	482.0
45°	460.2	458.1	458.1	458.9	458.9
47.5°	436.6	434.5	433.7	434.5	434.5
50°	411.0	408.9	408.0	408.9	408.9
52.5°	384.0	381.9	381.9	381.9	382.4
55°	356.3	354.2	353.3	354.2	354.6
57.5°	326.8	326.0	324.7	325.2	323.9
60°	295.3	295.3	294.0	294.9	294.0
62.5°	264.6	265.4	264.2	264.2	263.3
65°	233.0	233.9	232.6	232.6	231.8
67.5°	200.6	201.9	200.2	200.2	199.4
70°	167.0	169.5	167.8	168.3	167.4
72.5°	136.7	138.0	136.3	136.3	135.4
75°	106.4	107.3	105.6	106.0	104.7
77.5°	76.6	77.8	76.1	76.6	76.1
80°	51.3	51.7	50.5	50.9	50.1
82.5°	29.9	30.3	29.9	29.4	29.0
85°	13.5	13.9	13.5	13.5	13.0
87.5°	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)