

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: P974487

Luminaire Tested: FLR2-24-65-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-24-65-L950-CP375
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-65-L950-CP375
Ballast/Driver: -

Summary

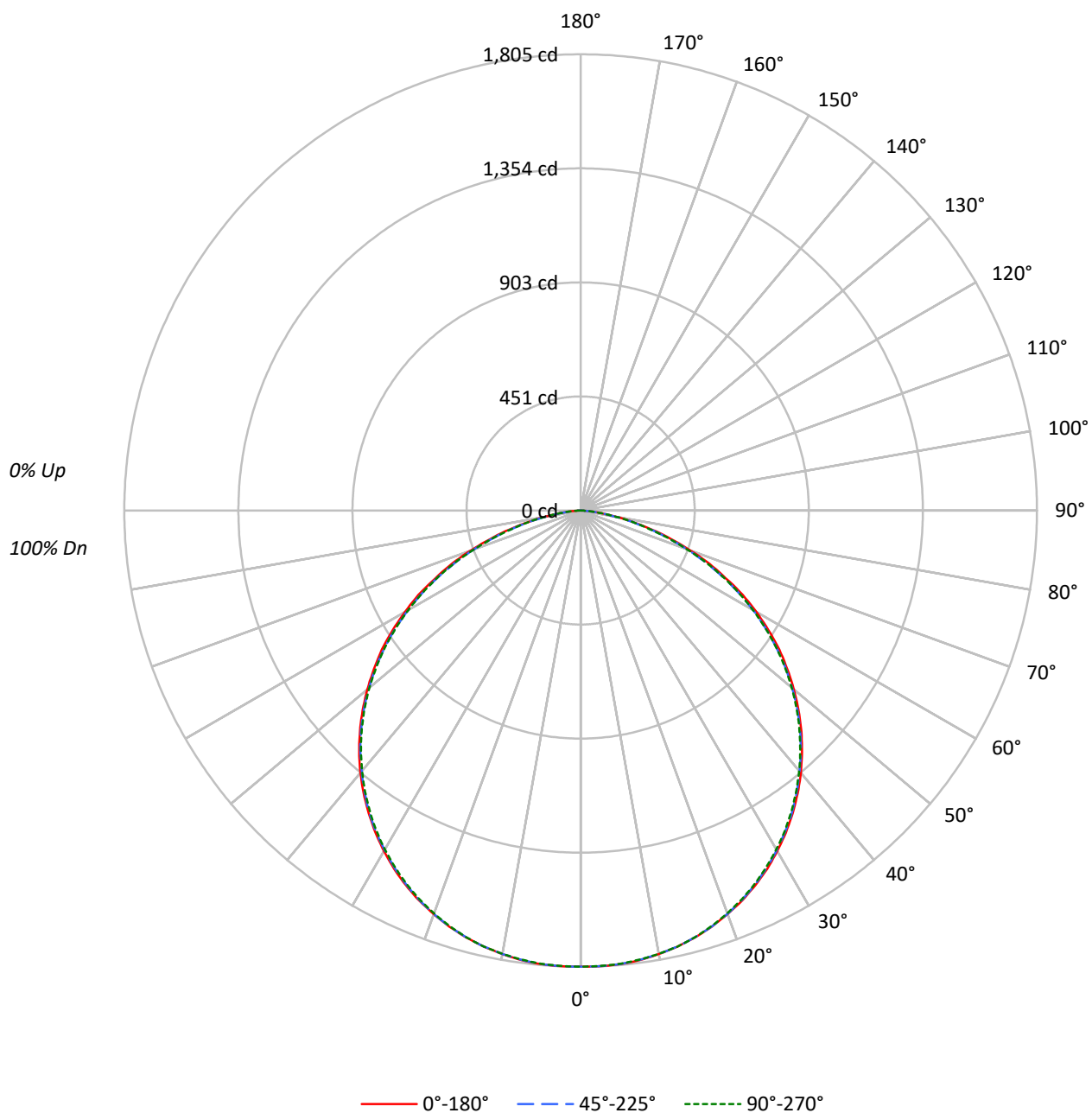
Lumens per Lamp: N/A
Luminaire Lumens: 5101.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	99	91	85	79	97	89	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	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51		51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44		44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38		38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34		34
8	61	47	39	33	59	47	38	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	39	33	29	27		27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2428	2428	2428
5°	2433	2433	2432
10°	2435	2434	2433
15°	2436	2435	2435
20°	2433	2432	2428
25°	2428	2424	2420
30°	2418	2411	2406
35°	2402	2395	2387
40°	2381	2366	2362
45°	2350	2336	2329
50°	2306	2288	2281
55°	2251	2219	2216
60°	2157	2119	2119
65°	2018	1971	1977
70°	1816	1760	1755
75°	1525	1464	1458
80°	1114	1058	1104
85°	630	580	590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2350 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	3.4
10°-20°	493.5	9.7
20°-30°	752.5	14.8
30°-40°	911.7	17.9
40°-50°	947.0	18.6
50°-60°	847.1	16.6
60°-70°	617.4	12.1
70°-80°	305.8	6.0
80°-90°	54.7	1.1
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°	1417.3	27.8
0°-40°	2329.0	45.7
0°-60°	4123.1	80.8
0°-90°	5101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1805	1805	1805	1805	1805	
5°	1802	1802	1802	1802	1800	171
15°	1748	1748	1748	1749	1748	494
25°	1636	1634	1633	1632	1630	754
35°	1462	1460	1458	1456	1453	915
45°	1235	1232	1228	1225	1224	952
55°	960	953	946	946	945	855
65°	634	629	619	622	621	629
75°	293	289	282	287	280	313
85°	41	38	38	38	38	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1804.8	1804.8	1804.8	1804.8	1804.8
2.5°	1804.8	1804.2	1804.2	1804.8	1803.5
5°	1801.6	1802.2	1801.6	1801.6	1800.3
7.5°	1794.5	1793.8	1793.2	1793.8	1791.9
10°	1782.2	1782.2	1781.5	1782.2	1780.9
12.5°	1767.3	1767.3	1767.3	1767.9	1767.3
15°	1748.5	1747.8	1747.8	1749.1	1747.8
17.5°	1726.5	1725.8	1725.8	1725.2	1723.9
20°	1699.3	1699.3	1698.6	1698.0	1696.0
22.5°	1670.1	1669.5	1667.5	1667.5	1664.9
25°	1635.8	1633.9	1632.6	1631.9	1630.0
27.5°	1598.2	1595.6	1593.7	1592.4	1590.5
30°	1556.1	1553.6	1551.6	1549.7	1548.4
32.5°	1510.8	1509.5	1506.3	1505.6	1503.0
35°	1462.2	1460.3	1458.4	1455.8	1453.2
37.5°	1410.4	1408.5	1404.0	1402.7	1400.7
40°	1355.4	1352.8	1347.0	1347.0	1345.0
42.5°	1296.5	1293.9	1290.0	1287.4	1286.1
45°	1234.9	1232.4	1227.8	1225.2	1223.9
47.5°	1169.5	1167.6	1162.4	1160.5	1158.5
50°	1101.5	1099.0	1093.1	1091.8	1089.9
52.5°	1030.3	1029.0	1021.2	1020.6	1018.7
55°	959.7	952.6	946.1	946.1	944.8
57.5°	882.0	876.8	868.4	868.4	867.1
60°	801.7	797.2	787.5	788.8	787.5
62.5°	723.4	713.6	704.6	708.5	705.2
65°	634.0	628.8	619.1	621.7	621.0
67.5°	552.4	542.7	533.6	538.8	536.2
70°	461.7	456.5	447.5	452.7	446.2
72.5°	376.2	371.7	362.6	368.5	362.0
75°	293.4	288.8	281.7	286.9	280.4
77.5°	215.0	211.8	205.3	210.5	211.8
80°	143.8	139.9	136.6	141.2	142.5
82.5°	84.2	81.6	80.3	80.9	84.2
85°	40.8	37.6	37.6	38.2	38.2
87.5°	11.0	9.7	11.0	11.7	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)