

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: P973598

Luminaire Tested: FLR2-22-25-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973598
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-L935-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

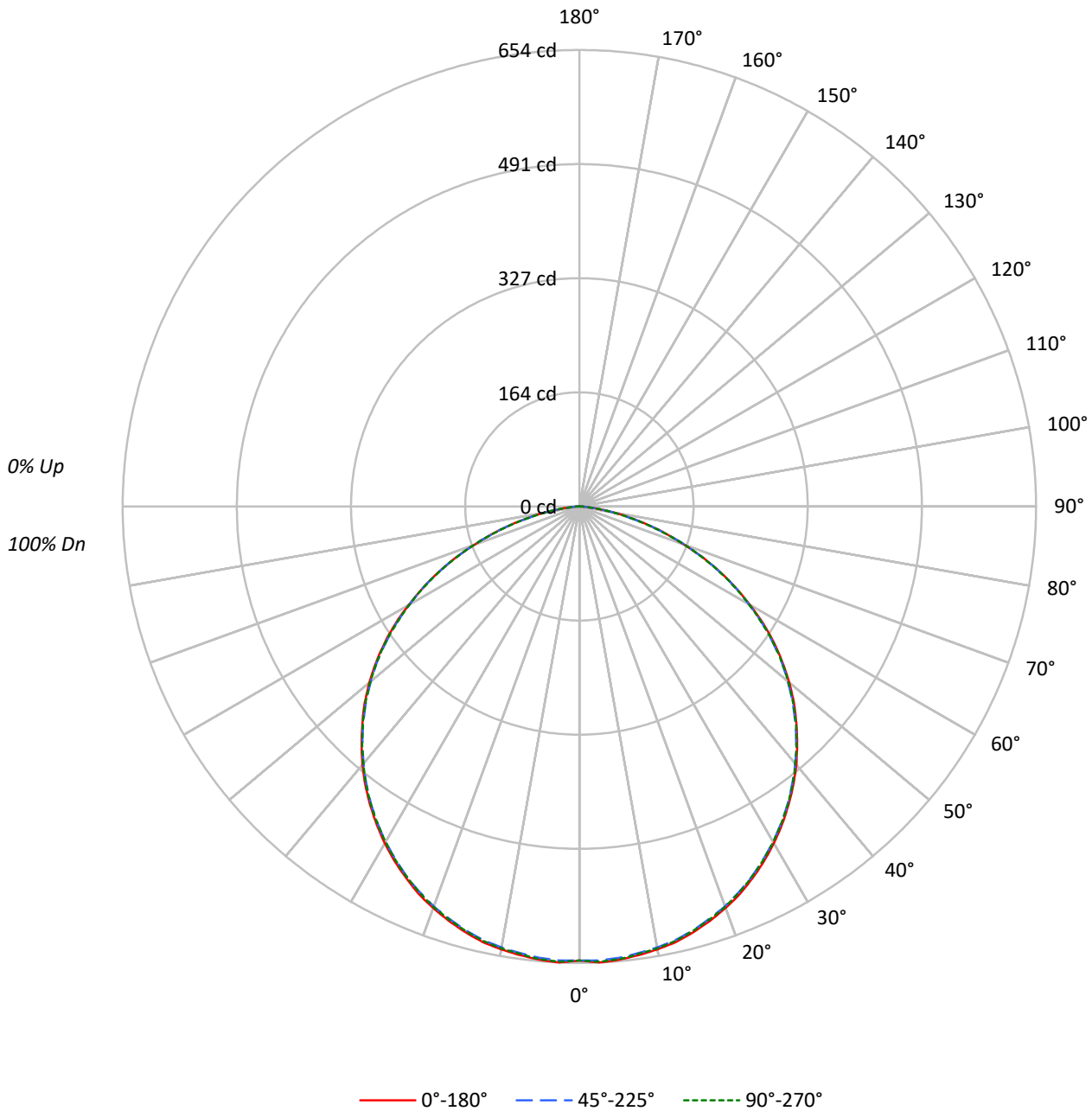
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1818.9 lumens
Efficiency: N/A
Efficacy: 96.2 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																		
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	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°	1750	1750	1750
5°	1761	1754	1759
10°	1761	1753	1756
15°	1759	1751	1754
20°	1753	1746	1749
25°	1744	1737	1738
30°	1731	1724	1725
35°	1715	1709	1710
40°	1698	1689	1691
45°	1673	1665	1668
50°	1643	1631	1635
55°	1597	1583	1589
60°	1518	1511	1511
65°	1417	1415	1410
70°	1255	1261	1258
75°	1056	1048	1040
80°	759	747	741
85°	398	398	386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1673 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	3.4
10°-20°	177.1	9.7
20°-30°	269.2	14.8
30°-40°	325.3	17.9
40°-50°	337.7	18.6
50°-60°	301.9	16.6
60°-70°	219.5	12.1
70°-80°	107.9	5.9
80°-90°	18.7	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°	507.9	27.9
0°-40°	833.2	45.8
0°-60°	1472.7	81.0
0°-90°	1818.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	652	644	649	647	651	62
15°	632	624	629	627	630	178
25°	587	581	585	584	585	271
35°	522	519	520	521	521	327
45°	440	438	438	438	438	339
55°	340	338	338	338	339	303
65°	223	223	222	222	221	220
75°	102	102	101	101	100	108
85°	13	13	13	13	12	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.4	650.4	650.4	650.4	650.4
2.5°	654.0	646.4	651.2	648.4	652.8
5°	652.0	644.4	649.2	646.8	651.2
7.5°	648.4	640.8	645.6	643.2	646.8
10°	644.4	636.3	641.6	639.2	642.8
12.5°	639.2	631.5	636.3	634.3	637.5
15°	631.5	624.3	628.7	627.1	629.5
17.5°	622.3	615.0	619.5	618.3	620.3
20°	612.2	605.4	609.8	608.6	610.6
22.5°	601.0	593.8	597.8	597.0	598.6
25°	587.3	580.9	584.9	583.7	585.3
27.5°	572.9	566.8	570.1	570.1	570.9
30°	557.2	551.6	554.8	554.8	555.2
32.5°	540.3	535.9	537.9	538.3	538.3
35°	522.2	518.6	520.2	520.6	520.6
37.5°	503.4	499.8	501.0	501.8	501.8
40°	483.3	480.1	480.9	481.7	481.3
42.5°	461.6	459.2	459.6	460.4	460.4
45°	439.5	437.5	437.5	438.3	438.3
47.5°	417.0	415.0	414.2	415.0	415.0
50°	392.5	390.5	389.7	390.5	390.5
52.5°	366.8	364.8	364.8	364.8	365.2
55°	340.3	338.3	337.5	338.3	338.7
57.5°	312.1	311.3	310.1	310.5	309.3
60°	282.0	282.0	280.8	281.6	280.8
62.5°	252.7	253.5	252.3	252.3	251.5
65°	222.6	223.4	222.2	222.2	221.4
67.5°	191.6	192.8	191.2	191.2	190.4
70°	159.5	161.9	160.3	160.7	159.9
72.5°	130.6	131.8	130.2	130.2	129.4
75°	101.6	102.4	100.8	101.2	100.0
77.5°	73.1	74.3	72.7	73.1	72.7
80°	49.0	49.4	48.2	48.6	47.8
82.5°	28.5	28.9	28.5	28.1	27.7
85°	12.9	13.3	12.9	12.9	12.5
87.5°	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)