

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: P973606

Luminaire Tested: FLR2-22-25-L935-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973606
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-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

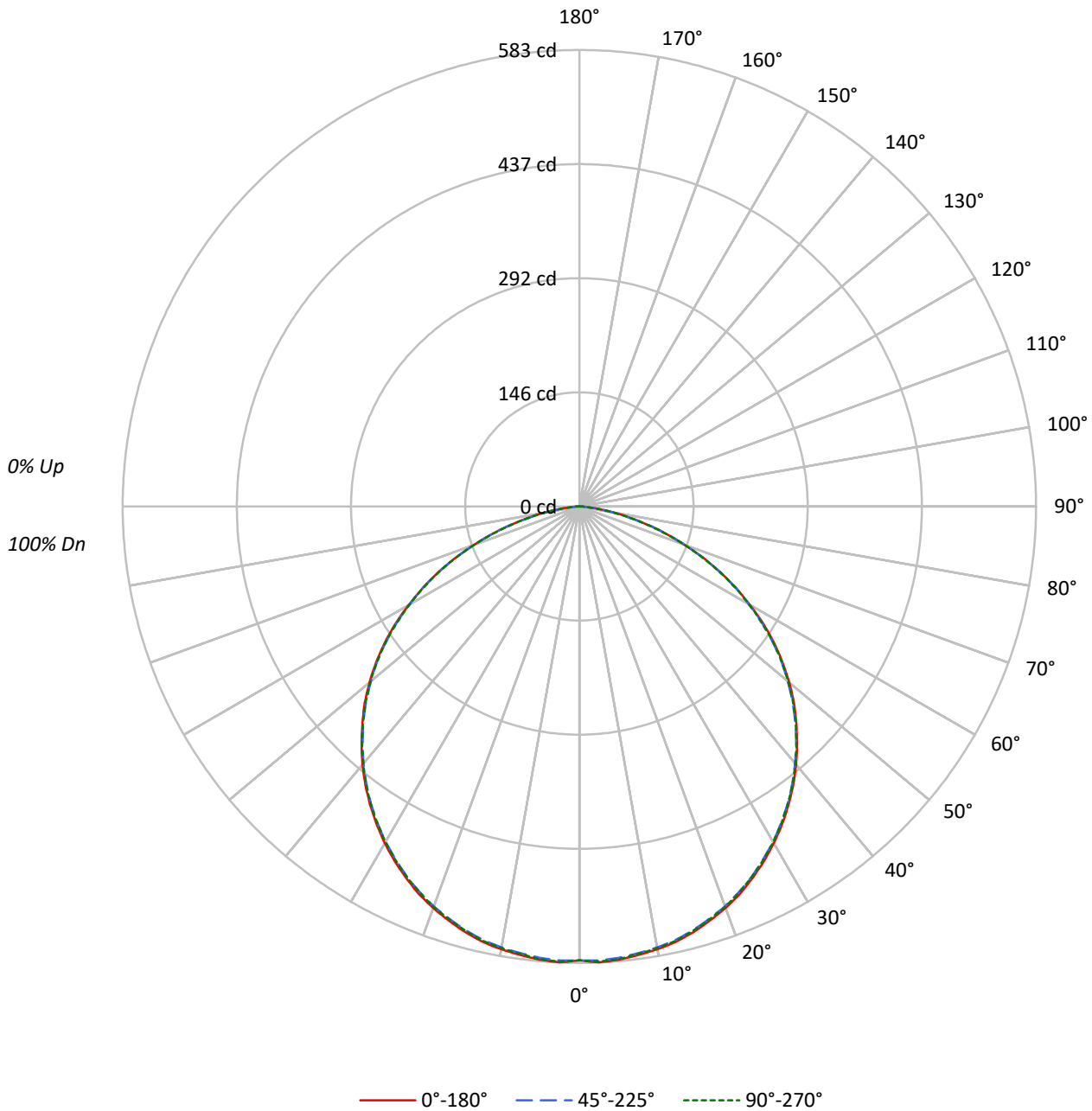
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1621.1 lumens
Efficiency: N/A
Efficacy: 85.8 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										
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°	1560	1560	1560
5°	1570	1563	1568
10°	1569	1562	1565
15°	1568	1561	1563
20°	1563	1556	1558
25°	1554	1548	1549
30°	1543	1537	1537
35°	1529	1523	1524
40°	1513	1506	1507
45°	1491	1484	1486
50°	1464	1454	1457
55°	1423	1411	1416
60°	1353	1347	1347
65°	1263	1261	1256
70°	1118	1124	1121
75°	942	935	927
80°	677	666	660
85°	355	355	343

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1491 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	3.4
10°-20°	157.9	9.7
20°-30°	239.9	14.8
30°-40°	289.9	17.9
40°-50°	301.0	18.6
50°-60°	269.1	16.6
60°-70°	195.6	12.1
70°-80°	96.2	5.9
80°-90°	16.7	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°	452.6	27.9
0°-40°	742.6	45.8
0°-60°	1312.6	81.0
0°-90°	1621.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1621.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	581	574	579	576	580	55
15°	563	556	560	559	561	159
25°	524	518	521	520	522	241
35°	466	462	464	464	464	291
45°	392	390	390	391	391	302
55°	303	302	301	302	302	270
65°	198	199	198	198	197	196
75°	91	91	90	90	89	96
85°	12	12	12	12	11	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	579.7	579.7	579.7	579.7	579.7
2.5°	582.9	576.1	580.4	577.9	581.8
5°	581.1	574.3	578.6	576.5	580.4
7.5°	577.9	571.1	575.4	573.2	576.5
10°	574.3	567.2	571.8	569.7	572.9
12.5°	569.7	562.9	567.2	565.4	568.2
15°	562.9	556.4	560.4	558.9	561.1
17.5°	554.6	548.2	552.1	551.0	552.8
20°	545.7	539.6	543.5	542.5	544.2
22.5°	535.7	529.2	532.8	532.1	533.5
25°	523.5	517.8	521.3	520.3	521.7
27.5°	510.6	505.2	508.1	508.1	508.8
30°	496.6	491.6	494.5	494.5	494.8
32.5°	481.6	477.6	479.4	479.8	479.8
35°	465.5	462.3	463.7	464.0	464.0
37.5°	448.6	445.4	446.5	447.2	447.2
40°	430.7	427.9	428.6	429.3	429.0
42.5°	411.4	409.3	409.6	410.3	410.3
45°	391.7	389.9	389.9	390.6	390.6
47.5°	371.7	369.9	369.2	369.9	369.9
50°	349.8	348.0	347.3	348.0	348.0
52.5°	326.9	325.1	325.1	325.1	325.5
55°	303.3	301.5	300.8	301.5	301.8
57.5°	278.2	277.5	276.4	276.8	275.7
60°	251.4	251.4	250.3	251.0	250.3
62.5°	225.2	225.9	224.9	224.9	224.1
65°	198.4	199.1	198.0	198.0	197.3
67.5°	170.8	171.9	170.4	170.4	169.7
70°	142.1	144.3	142.9	143.2	142.5
72.5°	116.4	117.4	116.0	116.0	115.3
75°	90.6	91.3	89.9	90.2	89.2
77.5°	65.2	66.2	64.8	65.2	64.8
80°	43.7	44.0	43.0	43.3	42.6
82.5°	25.4	25.8	25.4	25.1	24.7
85°	11.5	11.8	11.5	11.5	11.1
87.5°	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)