

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: P973585

Luminaire Tested: FLR2-22-20-L935-CP125

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P973585  
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: FLR2-22-20-L935-CP125  
Description: SHAPER SENSE CIRCLE  
  
Light Source:  
Ballast/Driver: -

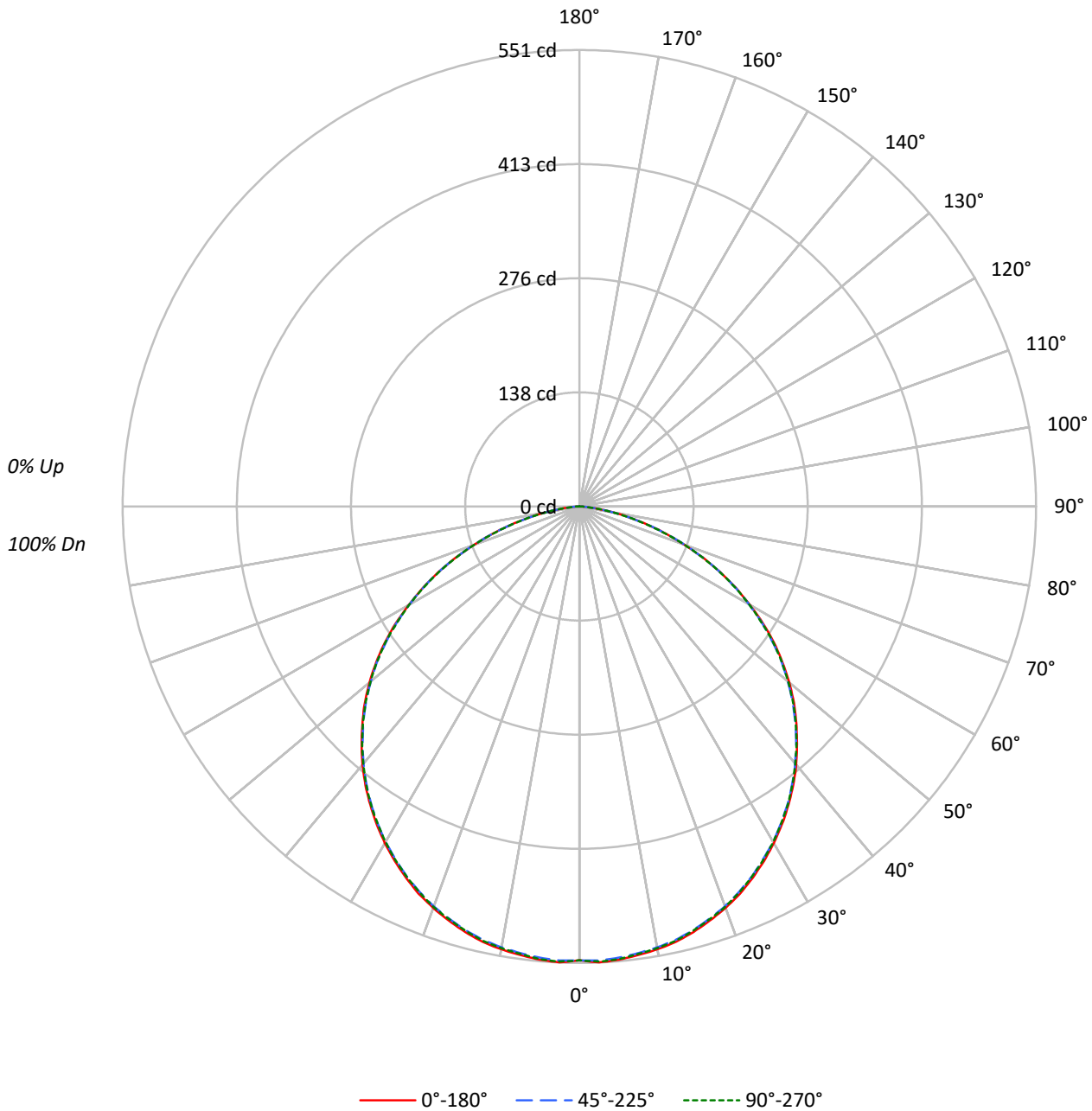
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1532.1 lumens  
Efficiency: N/A  
Efficacy: 101.5 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): 15.1  
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°	1474	1474	1474
5°	1484	1477	1482
10°	1483	1477	1479
15°	1482	1475	1477
20°	1477	1471	1473
25°	1469	1463	1464
30°	1458	1452	1453
35°	1445	1440	1441
40°	1430	1423	1424
45°	1409	1402	1405
50°	1384	1374	1377
55°	1345	1333	1339
60°	1278	1273	1273
65°	1194	1191	1188
70°	1057	1062	1060
75°	890	883	876
80°	640	629	625
85°	333	333	324

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1409 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.9	3.4
10°-20°	149.2	9.7
20°-30°	226.7	14.8
30°-40°	274.0	17.9
40°-50°	284.4	18.6
50°-60°	254.3	16.6
60°-70°	184.9	12.1
70°-80°	90.9	5.9
80°-90°	15.8	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°	427.8	27.9
0°-40°	701.8	45.8
0°-60°	1240.5	81.0
0°-90°	1532.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	549	543	547	545	548	52
15°	532	526	530	528	530	150
25°	495	489	493	492	493	228
35°	440	437	438	439	439	275
45°	370	368	368	369	369	286
55°	287	285	284	285	285	255
65°	188	188	187	187	186	185
75°	86	86	85	85	84	91
85°	11	11	11	11	10	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	547.9	547.9	547.9	547.9	547.9
2.5°	550.9	544.5	548.5	546.2	549.9
5°	549.2	542.8	546.8	544.8	548.5
7.5°	546.2	539.7	543.8	541.8	544.8
10°	542.8	536.0	540.4	538.4	541.4
12.5°	538.4	531.9	536.0	534.3	537.0
15°	531.9	525.9	529.6	528.2	530.3
17.5°	524.2	518.1	521.8	520.8	522.5
20°	515.7	510.0	513.7	512.7	514.4
22.5°	506.2	500.1	503.5	502.8	504.2
25°	494.7	489.3	492.7	491.7	493.0
27.5°	482.5	477.5	480.2	480.2	480.9
30°	469.3	464.6	467.3	467.3	467.7
32.5°	455.1	451.4	453.1	453.4	453.4
35°	439.9	436.9	438.2	438.6	438.6
37.5°	424.0	421.0	422.0	422.6	422.6
40°	407.1	404.4	405.1	405.7	405.4
42.5°	388.8	386.8	387.1	387.8	387.8
45°	370.2	368.5	368.5	369.2	369.2
47.5°	351.2	349.6	348.9	349.6	349.6
50°	330.6	328.9	328.2	328.9	328.9
52.5°	309.0	307.3	307.3	307.3	307.6
55°	286.6	284.9	284.2	284.9	285.3
57.5°	262.9	262.3	261.2	261.6	260.6
60°	237.5	237.5	236.5	237.2	236.5
62.5°	212.8	213.5	212.5	212.5	211.8
65°	187.5	188.1	187.1	187.1	186.5
67.5°	161.4	162.4	161.1	161.1	160.4
70°	134.3	136.4	135.0	135.4	134.7
72.5°	110.0	111.0	109.6	109.6	109.0
75°	85.6	86.3	84.9	85.3	84.3
77.5°	61.6	62.6	61.2	61.6	61.2
80°	41.3	41.6	40.6	40.9	40.3
82.5°	24.0	24.4	24.0	23.7	23.3
85°	10.8	11.2	10.8	10.8	10.5
87.5°	2.7	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)