

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: P973543

Luminaire Tested: FLR2-22-35-L930-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973543
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: FLR2-22-35-L930-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

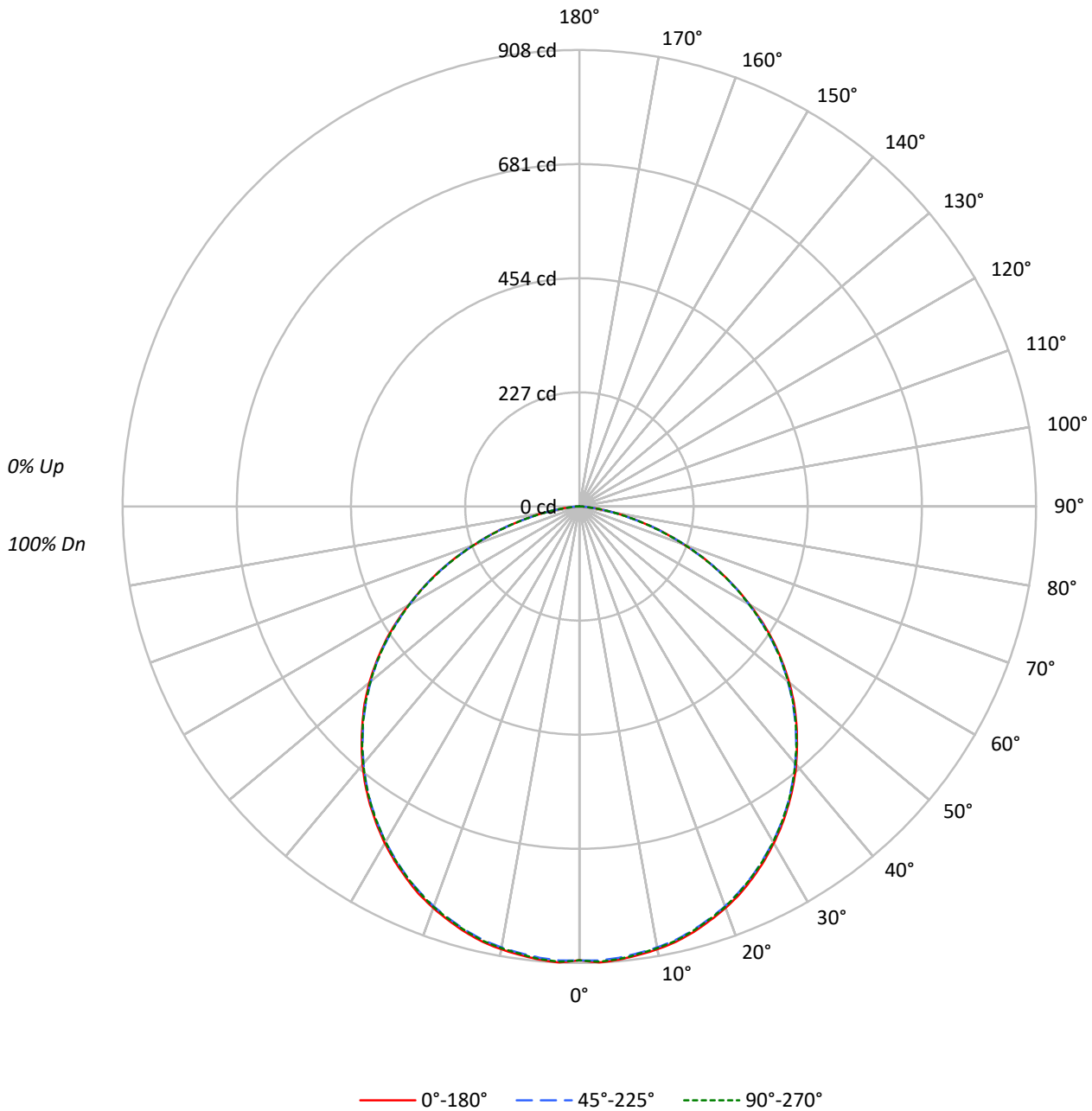
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.0 lumens
Efficiency: N/A
Efficacy: 90.5 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): 27.9
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																				
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°	2430	2430	2430
5°	2445	2434	2442
10°	2444	2434	2438
15°	2442	2432	2435
20°	2434	2424	2428
25°	2421	2411	2413
30°	2403	2393	2395
35°	2382	2372	2374
40°	2357	2345	2347
45°	2322	2311	2315
50°	2281	2265	2269
55°	2216	2198	2206
60°	2107	2098	2098
65°	1968	1964	1957
70°	1742	1751	1747
75°	1467	1456	1444
80°	1054	1037	1029
85°	550	550	534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2322 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.4
10°-20°	245.9	9.7
20°-30°	373.6	14.8
30°-40°	451.6	17.9
40°-50°	468.8	18.6
50°-60°	419.1	16.6
60°-70°	304.7	12.1
70°-80°	149.8	5.9
80°-90°	26.0	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°	705.0	27.9
0°-40°	1156.6	45.8
0°-60°	2044.5	81.0
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	903	903	903	903	903	
5°	905	894	901	898	904	86
15°	877	867	873	871	874	247
25°	815	806	812	810	813	376
35°	725	720	722	723	723	454
45°	610	607	607	608	608	471
55°	472	470	468	470	470	421
65°	309	310	308	308	307	305
75°	141	142	140	140	139	150
85°	18	18	18	18	17	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.9	902.9	902.9	902.9	902.9
2.5°	907.9	897.3	904.0	900.1	906.3
5°	905.1	894.5	901.2	897.9	904.0
7.5°	900.1	889.5	896.2	892.9	897.9
10°	894.5	883.4	890.6	887.3	892.3
12.5°	887.3	876.7	883.4	880.6	885.1
15°	876.7	866.7	872.8	870.6	873.9
17.5°	863.9	853.8	860.0	858.3	861.1
20°	849.9	840.4	846.6	844.9	847.7
22.5°	834.3	824.3	829.9	828.7	831.0
25°	815.4	806.4	812.0	810.3	812.6
27.5°	795.3	786.9	791.4	791.4	792.5
30°	773.5	765.7	770.2	770.2	770.7
32.5°	750.1	744.0	746.8	747.3	747.3
35°	725.0	720.0	722.2	722.8	722.8
37.5°	698.8	693.8	695.4	696.6	696.6
40°	670.9	666.4	667.6	668.7	668.1
42.5°	640.8	637.4	638.0	639.1	639.1
45°	610.1	607.3	607.3	608.4	608.4
47.5°	578.9	576.1	575.0	576.1	576.1
50°	544.9	542.1	541.0	542.1	542.1
52.5°	509.2	506.4	506.4	506.4	506.9
55°	472.4	469.6	468.5	469.6	470.1
57.5°	433.3	432.2	430.5	431.1	429.4
60°	391.5	391.5	389.8	390.9	389.8
62.5°	350.8	351.9	350.2	350.2	349.1
65°	309.0	310.1	308.4	308.4	307.3
67.5°	266.0	267.7	265.5	265.5	264.3
70°	221.4	224.8	222.5	223.1	222.0
72.5°	181.3	182.9	180.7	180.7	179.6
75°	141.1	142.2	140.0	140.5	138.9
77.5°	101.5	103.2	100.9	101.5	100.9
80°	68.0	68.6	66.9	67.5	66.4
82.5°	39.6	40.2	39.6	39.0	38.5
85°	17.8	18.4	17.8	17.8	17.3
87.5°	4.5	4.5	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)