

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: P974147

Luminaire Tested: FLR2-24-35-L930-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974147
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: FLR2-24-35-L930-CP375
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-35-L930-CP375
Ballast/Driver: -

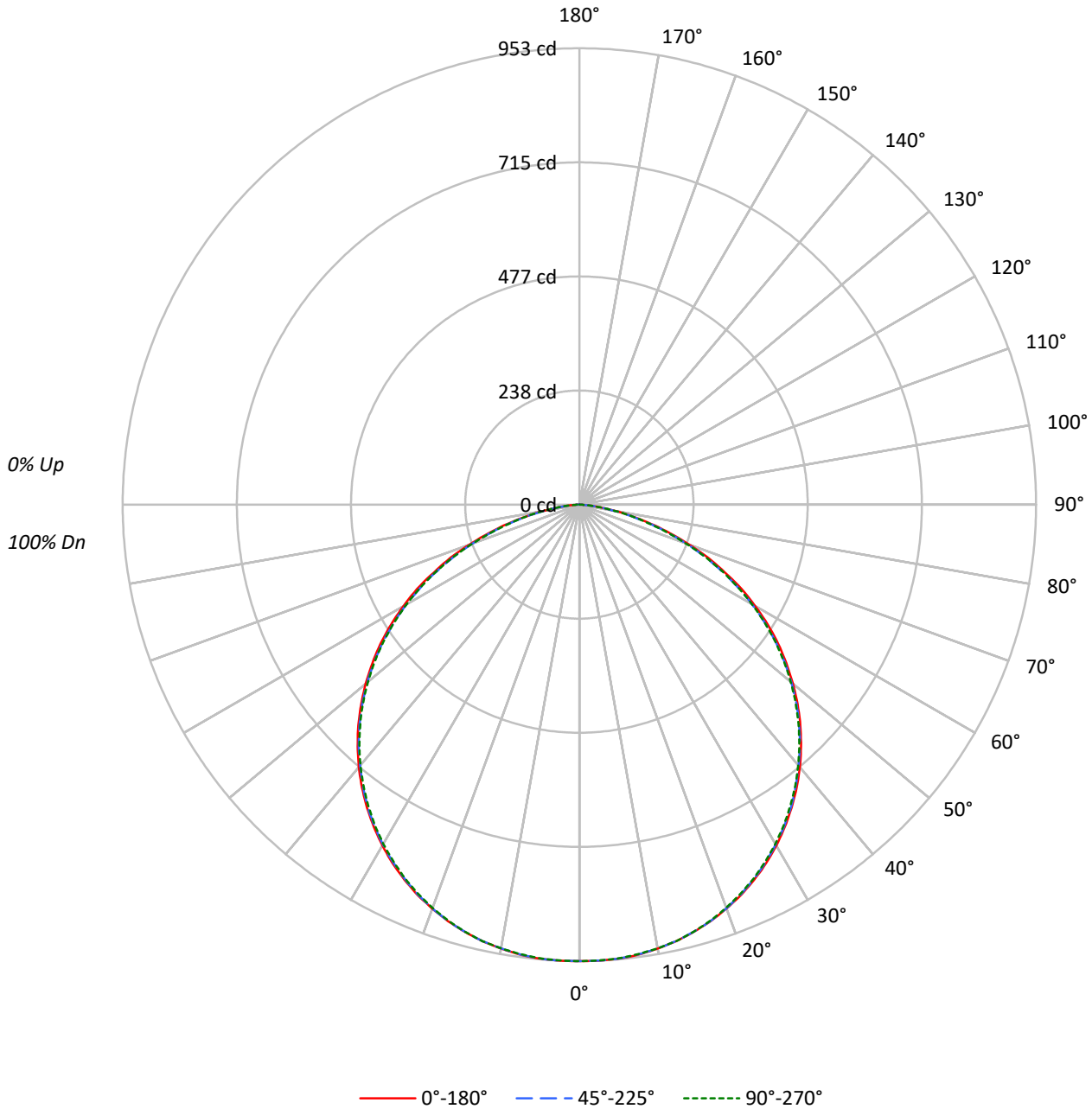
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.7 lumens
Efficiency: N/A
Efficacy: 94.9 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): 28.4
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										
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	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°	1283	1283	1283
5°	1285	1285	1284
10°	1286	1286	1285
15°	1287	1286	1286
20°	1285	1285	1283
25°	1283	1280	1278
30°	1277	1274	1271
35°	1269	1265	1261
40°	1258	1250	1248
45°	1241	1234	1230
50°	1218	1209	1205
55°	1189	1172	1171
60°	1140	1119	1119
65°	1066	1041	1045
70°	959	930	927
75°	806	774	770
80°	588	559	583
85°	333	306	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.4
10°-20°	260.7	9.7
20°-30°	397.5	14.8
30°-40°	481.6	17.9
40°-50°	500.3	18.6
50°-60°	447.5	16.6
60°-70°	326.2	12.1
70°-80°	161.5	6.0
80°-90°	28.9	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°	748.7	27.8
0°-40°	1230.3	45.7
0°-60°	2178.1	80.8
0°-90°	2694.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	952	952	952	952	951	91
15°	924	923	923	924	923	261
25°	864	863	862	862	861	398
35°	772	771	770	769	768	483
45°	652	651	649	647	647	503
55°	507	503	500	500	499	452
65°	335	332	327	328	328	332
75°	155	153	149	152	148	165
85°	22	20	20	20	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.4	953.4	953.4	953.4	953.4
2.5°	953.4	953.1	953.1	953.4	952.8
5°	951.7	952.1	951.7	951.7	951.0
7.5°	948.0	947.6	947.3	947.6	946.6
10°	941.5	941.5	941.1	941.5	940.8
12.5°	933.6	933.6	933.6	933.9	933.6
15°	923.7	923.3	923.3	924.0	923.3
17.5°	912.0	911.7	911.7	911.4	910.7
20°	897.7	897.7	897.3	897.0	896.0
22.5°	882.3	881.9	880.9	880.9	879.5
25°	864.2	863.1	862.4	862.1	861.1
27.5°	844.3	842.9	841.9	841.2	840.2
30°	822.1	820.7	819.7	818.7	818.0
32.5°	798.1	797.4	795.7	795.4	794.0
35°	772.5	771.4	770.4	769.0	767.7
37.5°	745.1	744.1	741.7	741.0	740.0
40°	716.0	714.7	711.6	711.6	710.5
42.5°	684.9	683.5	681.5	680.1	679.4
45°	652.4	651.0	648.6	647.3	646.6
47.5°	617.8	616.8	614.1	613.1	612.0
50°	581.9	580.6	577.5	576.8	575.8
52.5°	544.3	543.6	539.5	539.2	538.1
55°	507.0	503.2	499.8	499.8	499.1
57.5°	465.9	463.2	458.8	458.8	458.1
60°	423.5	421.1	416.0	416.7	416.0
62.5°	382.1	377.0	372.2	374.3	372.6
65°	334.9	332.2	327.1	328.4	328.1
67.5°	291.8	286.7	281.9	284.6	283.3
70°	243.9	241.2	236.4	239.1	235.7
72.5°	198.8	196.4	191.6	194.7	191.2
75°	155.0	152.6	148.8	151.6	148.1
77.5°	113.6	111.9	108.4	111.2	111.9
80°	75.9	73.9	72.2	74.6	75.3
82.5°	44.5	43.1	42.4	42.8	44.5
85°	21.6	19.8	19.8	20.2	20.2
87.5°	5.8	5.1	5.8	6.2	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)