

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: P974259

Luminaire Tested: FLR2-24-35-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974259
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-L935-CP375
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-35-L935-CP375
Ballast/Driver: -

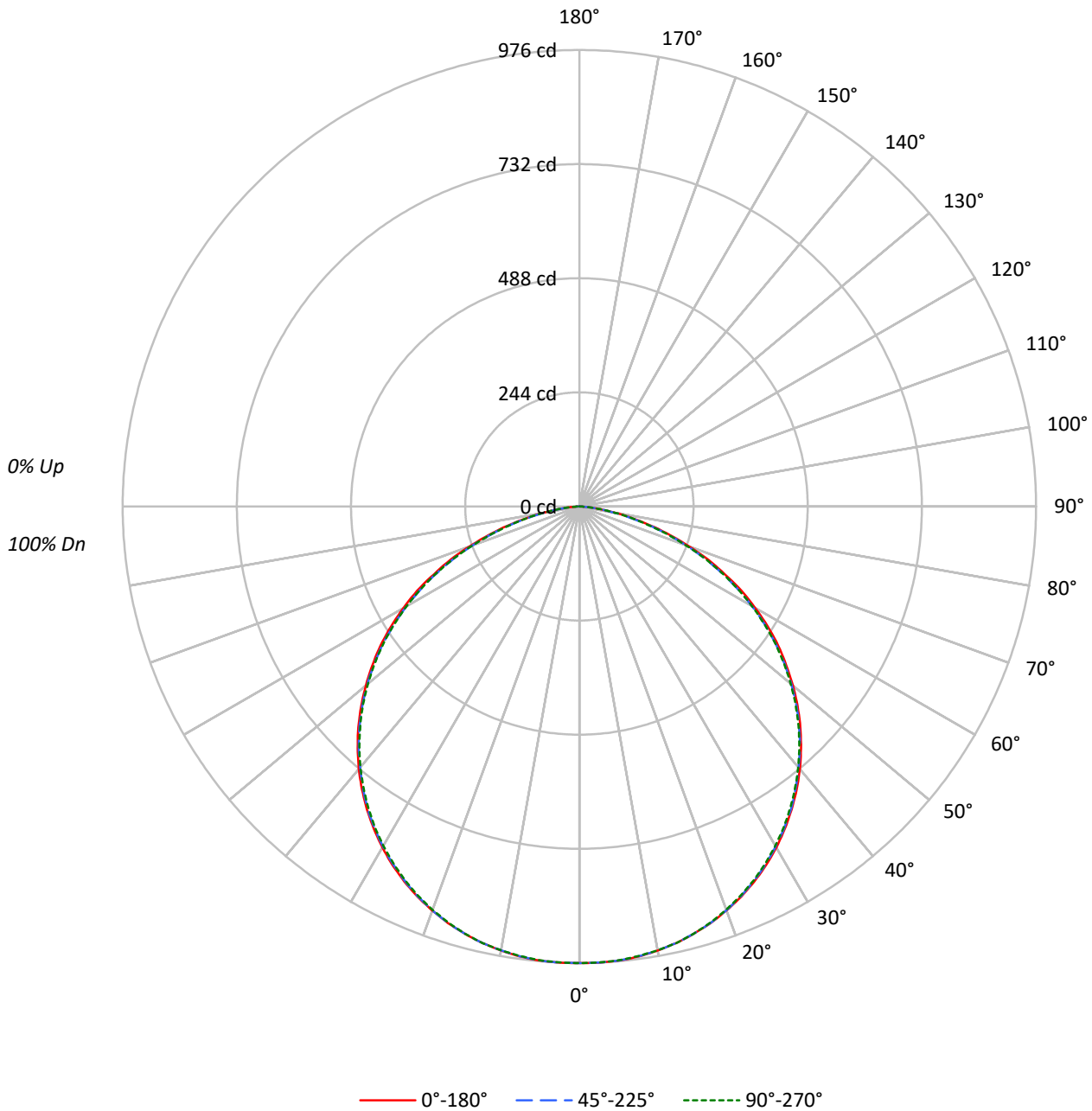
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2759.7 lumens
Efficiency: N/A
Efficacy: 97.2 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	100	100	100	100	100														
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85	85	85	85	85	85	85														
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71	71	71	71	71	71	71														
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60	60	60	60	60	60	60														
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51	51	51	51	51	51	51														
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44	44	44	44	44	44	44														
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38	38	38	38	38	38	38														
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34	34	34	34	34	34	34														
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30	30	30	30	30	30	30														
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27	27	27	27	27	27	27														
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25	25	25	25	25	25	25														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1314	1314	1314
5°	1316	1316	1316
10°	1317	1317	1316
15°	1318	1317	1317
20°	1316	1316	1314
25°	1314	1311	1309
30°	1308	1304	1301
35°	1299	1296	1291
40°	1288	1280	1278
45°	1271	1264	1260
50°	1247	1238	1234
55°	1218	1201	1199
60°	1167	1146	1146
65°	1092	1066	1070
70°	983	952	950
75°	825	792	789
80°	603	573	597
85°	341	313	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1271 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.4
10°-20°	267.0	9.7
20°-30°	407.1	14.8
30°-40°	493.2	17.9
40°-50°	512.3	18.6
50°-60°	458.3	16.6
60°-70°	334.0	12.1
70°-80°	165.4	6.0
80°-90°	29.6	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°	766.8	27.8
0°-40°	1260.0	45.7
0°-60°	2230.7	80.8
0°-90°	2759.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2759.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	975	975	975	975	974	93
15°	946	946	946	946	946	267
25°	885	884	883	883	882	408
35°	791	790	789	788	786	495
45°	668	667	664	663	662	515
55°	519	515	512	512	511	463
65°	343	340	335	336	336	340
75°	159	156	152	155	152	169
85°	22	20	20	21	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.4	976.4	976.4	976.4	976.4
2.5°	976.4	976.1	976.1	976.4	975.7
5°	974.7	975.0	974.7	974.7	974.0
7.5°	970.8	970.5	970.1	970.5	969.4
10°	964.2	964.2	963.8	964.2	963.5
12.5°	956.1	956.1	956.1	956.4	956.1
15°	945.9	945.6	945.6	946.3	945.6
17.5°	934.0	933.7	933.7	933.3	932.6
20°	919.3	919.3	919.0	918.6	917.6
22.5°	903.5	903.2	902.1	902.1	900.7
25°	885.0	883.9	883.2	882.9	881.8
27.5°	864.7	863.3	862.2	861.5	860.5
30°	841.9	840.5	839.4	838.4	837.7
32.5°	817.4	816.7	814.9	814.6	813.2
35°	791.1	790.0	789.0	787.6	786.2
37.5°	763.1	762.0	759.6	758.9	757.8
40°	733.3	731.9	728.7	728.7	727.7
42.5°	701.4	700.0	697.9	696.5	695.8
45°	668.1	666.7	664.3	662.9	662.2
47.5°	632.7	631.7	628.9	627.8	626.8
50°	595.9	594.5	591.4	590.7	589.6
52.5°	557.4	556.7	552.5	552.1	551.1
55°	519.2	515.4	511.9	511.9	511.2
57.5°	477.2	474.4	469.8	469.8	469.1
60°	433.7	431.3	426.0	426.7	426.0
62.5°	391.3	386.1	381.2	383.3	381.5
65°	343.0	340.2	334.9	336.3	336.0
67.5°	298.8	293.6	288.7	291.5	290.1
70°	249.8	247.0	242.1	244.9	241.4
72.5°	203.6	201.1	196.2	199.3	195.8
75°	158.7	156.3	152.4	155.2	151.7
77.5°	116.3	114.6	111.1	113.9	114.6
80°	77.8	75.7	73.9	76.4	77.1
82.5°	45.5	44.1	43.4	43.8	45.5
85°	22.1	20.3	20.3	20.7	20.7
87.5°	6.0	5.3	6.0	6.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)