

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: P974650

Luminaire Tested: FLR2-24-35HE-L930-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974650
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: FLR2-24-35HE-L930-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

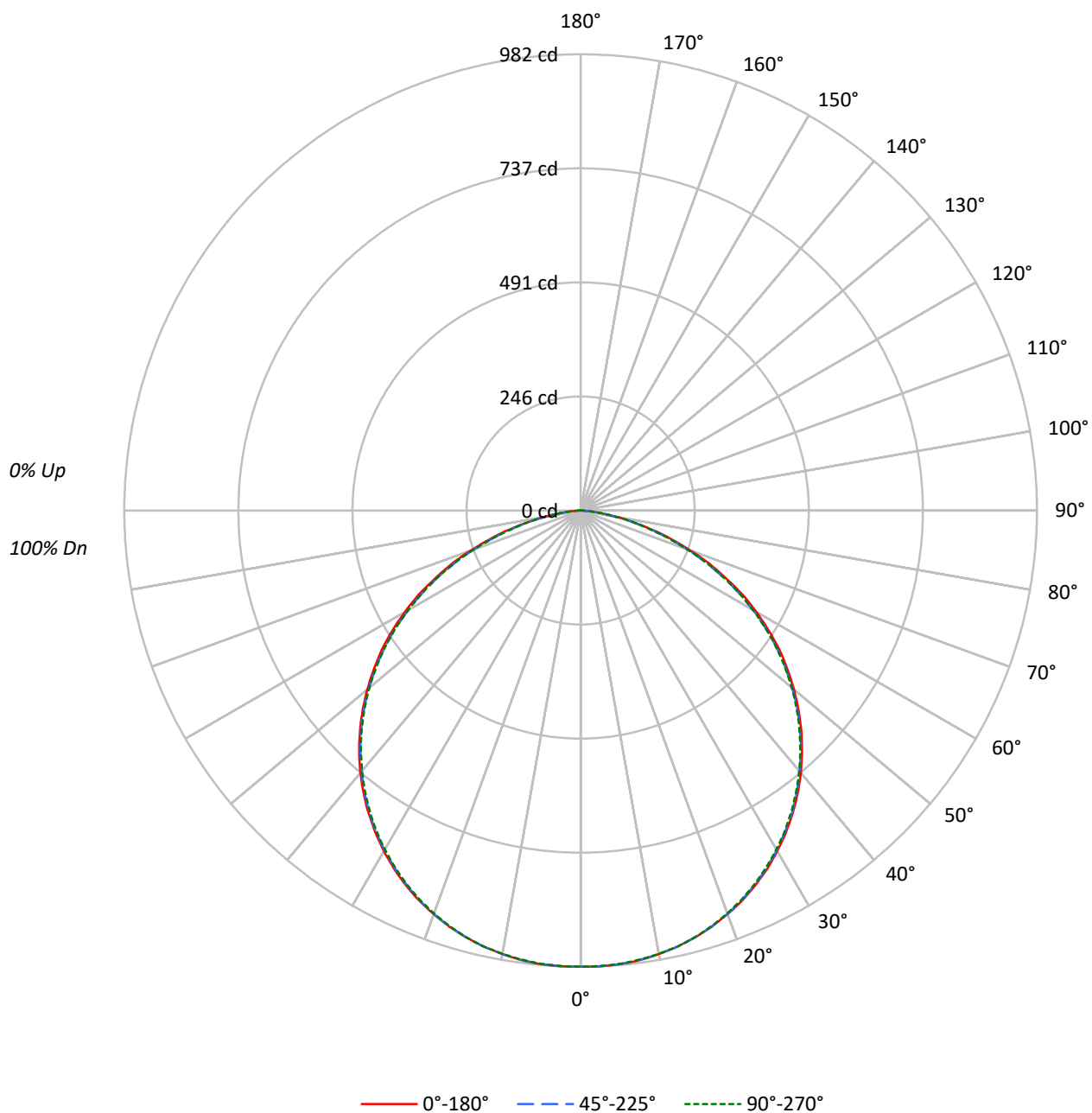
Lumens per Lamp: N/A
Luminaire Lumens: 2775.3 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
Input Voltage (V):
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	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°	1321	1321	1321
5°	1324	1324	1323
10°	1325	1324	1324
15°	1325	1325	1325
20°	1324	1323	1321
25°	1321	1319	1317
30°	1315	1312	1309
35°	1307	1303	1299
40°	1295	1287	1285
45°	1278	1271	1267
50°	1254	1245	1241
55°	1225	1208	1206
60°	1174	1153	1153
65°	1098	1072	1076
70°	988	958	955
75°	830	797	793
80°	606	576	600
85°	343	315	321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1278 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.4
10°-20°	268.5	9.7
20°-30°	409.4	14.8
30°-40°	496.0	17.9
40°-50°	515.2	18.6
50°-60°	460.9	16.6
60°-70°	335.9	12.1
70°-80°	166.4	6.0
80°-90°	29.7	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°	771.1	27.8
0°-40°	1267.2	45.7
0°-60°	2243.3	80.8
0°-90°	2775.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2775.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	980	981	980	980	980	93
15°	951	951	951	952	951	269
25°	890	889	888	888	887	410
35°	796	794	794	792	791	498
45°	672	670	668	667	666	518
55°	522	518	515	515	514	465
65°	345	342	337	338	338	342
75°	160	157	153	156	153	170
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°	982.0	982.0	982.0	982.0	982.0
2.5°	982.0	981.6	981.6	982.0	981.3
5°	980.2	980.6	980.2	980.2	979.5
7.5°	976.3	976.0	975.6	976.0	974.9
10°	969.6	969.6	969.3	969.6	968.9
12.5°	961.5	961.5	961.5	961.9	961.5
15°	951.3	951.0	951.0	951.7	951.0
17.5°	939.3	939.0	939.0	938.6	937.9
20°	924.5	924.5	924.2	923.8	922.8
22.5°	908.7	908.3	907.3	907.3	905.9
25°	890.0	889.0	888.2	887.9	886.8
27.5°	869.6	868.2	867.1	866.4	865.3
30°	846.7	845.3	844.2	843.1	842.4
32.5°	822.0	821.3	819.5	819.2	817.8
35°	795.6	794.5	793.5	792.1	790.6
37.5°	767.4	766.3	763.9	763.2	762.1
40°	737.4	736.0	732.9	732.9	731.8
42.5°	705.4	704.0	701.9	700.4	699.7
45°	671.9	670.5	668.0	666.6	665.9
47.5°	636.3	635.3	632.4	631.4	630.3
50°	599.3	597.9	594.7	594.0	593.0
52.5°	560.6	559.9	555.6	555.3	554.2
55°	522.2	518.3	514.8	514.8	514.1
57.5°	479.9	477.1	472.5	472.5	471.8
60°	436.2	433.7	428.4	429.1	428.4
62.5°	393.6	388.3	383.3	385.5	383.7
65°	344.9	342.1	336.8	338.2	337.9
67.5°	300.5	295.3	290.3	293.1	291.7
70°	251.2	248.4	243.5	246.3	242.8
72.5°	204.7	202.2	197.3	200.5	197.0
75°	159.6	157.1	153.3	156.1	152.6
77.5°	117.0	115.2	111.7	114.5	115.2
80°	78.2	76.1	74.3	76.8	77.5
82.5°	45.8	44.4	43.7	44.0	45.8
85°	22.2	20.4	20.4	20.8	20.8
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)