

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: P974260

Luminaire Tested: FLR2-24-40-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974260
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: FLR2-24-40-L935-CP375
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-40-L935-CP375
Ballast/Driver: -

Summary

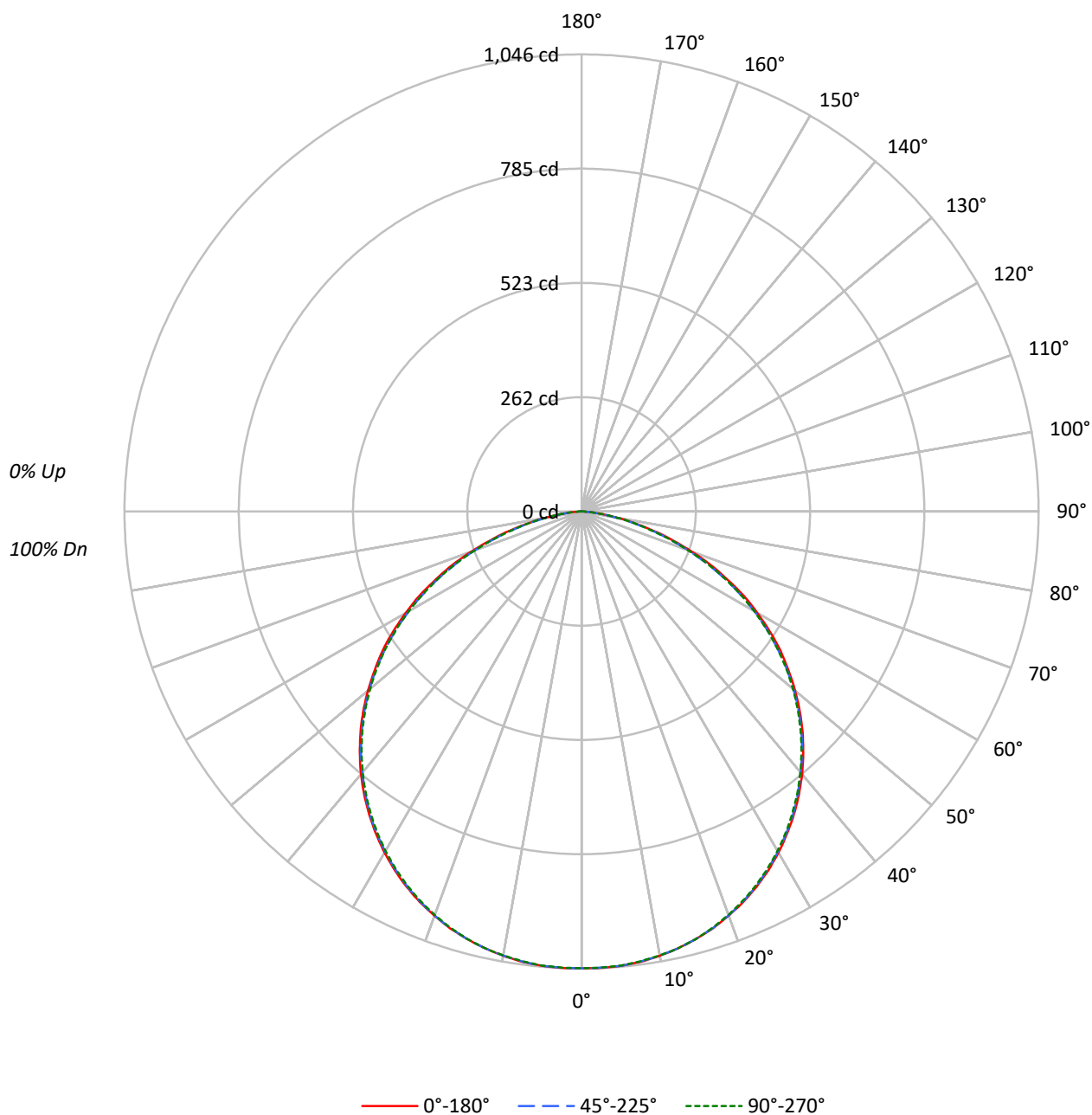
Lumens per Lamp: N/A
Luminaire Lumens: 2955.4 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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					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°	1407	1407	1407
5°	1410	1410	1409
10°	1411	1410	1410
15°	1411	1411	1411
20°	1410	1409	1407
25°	1407	1404	1402
30°	1401	1397	1394
35°	1392	1388	1383
40°	1379	1371	1369
45°	1361	1354	1349
50°	1336	1326	1322
55°	1304	1286	1284
60°	1250	1228	1228
65°	1169	1142	1145
70°	1052	1020	1017
75°	884	848	845
80°	645	614	639
85°	364	337	341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1361 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	3.4
10°-20°	285.9	9.7
20°-30°	436.0	14.8
30°-40°	528.2	17.9
40°-50°	548.7	18.6
50°-60°	490.8	16.6
60°-70°	357.7	12.1
70°-80°	177.2	6.0
80°-90°	31.7	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°	821.2	27.8
0°-40°	1349.4	45.7
0°-60°	2388.8	80.8
0°-90°	2955.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2955.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1044	1044	1044	1044	1043	99
15°	1013	1013	1013	1013	1013	286
25°	948	947	946	946	944	437
35°	847	846	845	843	842	530
45°	716	714	711	710	709	551
55°	556	552	548	548	547	495
65°	367	364	359	360	360	364
75°	170	167	163	166	162	181
85°	24	22	22	22	22	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1045.7	1045.3	1045.3	1045.7	1044.9
5°	1043.8	1044.2	1043.8	1043.8	1043.0
7.5°	1039.7	1039.3	1038.9	1039.3	1038.2
10°	1032.5	1032.5	1032.2	1032.5	1031.8
12.5°	1023.9	1023.9	1023.9	1024.3	1023.9
15°	1013.0	1012.6	1012.6	1013.4	1012.6
17.5°	1000.3	999.9	999.9	999.5	998.8
20°	984.5	984.5	984.1	983.8	982.6
22.5°	967.6	967.3	966.1	966.1	964.6
25°	947.7	946.6	945.9	945.5	944.4
27.5°	926.0	924.5	923.4	922.6	921.5
30°	901.6	900.1	899.0	897.8	897.1
32.5°	875.3	874.6	872.7	872.3	870.8
35°	847.2	846.1	844.9	843.4	841.9
37.5°	817.2	816.0	813.4	812.7	811.5
40°	785.3	783.8	780.4	780.4	779.3
42.5°	751.1	749.6	747.4	745.9	745.1
45°	715.5	714.0	711.4	709.9	709.1
47.5°	677.6	676.5	673.5	672.3	671.2
50°	638.2	636.7	633.3	632.6	631.5
52.5°	596.9	596.2	591.7	591.3	590.2
55°	556.0	551.9	548.2	548.2	547.4
57.5°	511.0	508.0	503.1	503.1	502.4
60°	464.5	461.9	456.2	457.0	456.2
62.5°	419.1	413.5	408.2	410.5	408.6
65°	367.3	364.3	358.7	360.2	359.8
67.5°	320.0	314.4	309.2	312.2	310.7
70°	267.5	264.5	259.3	262.3	258.5
72.5°	218.0	215.4	210.1	213.5	209.7
75°	170.0	167.3	163.2	166.2	162.5
77.5°	124.6	122.7	118.9	121.9	122.7
80°	83.3	81.0	79.2	81.8	82.5
82.5°	48.8	47.3	46.5	46.9	48.8
85°	23.6	21.8	21.8	22.1	22.1
87.5°	6.4	5.6	6.4	6.8	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)