

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: P974474

Luminaire Tested: FLR2-24-30-L950-CP250

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974474
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: FLR2-24-30-L950-CP250
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-30-L950-CP250
Ballast/Driver: -

Summary

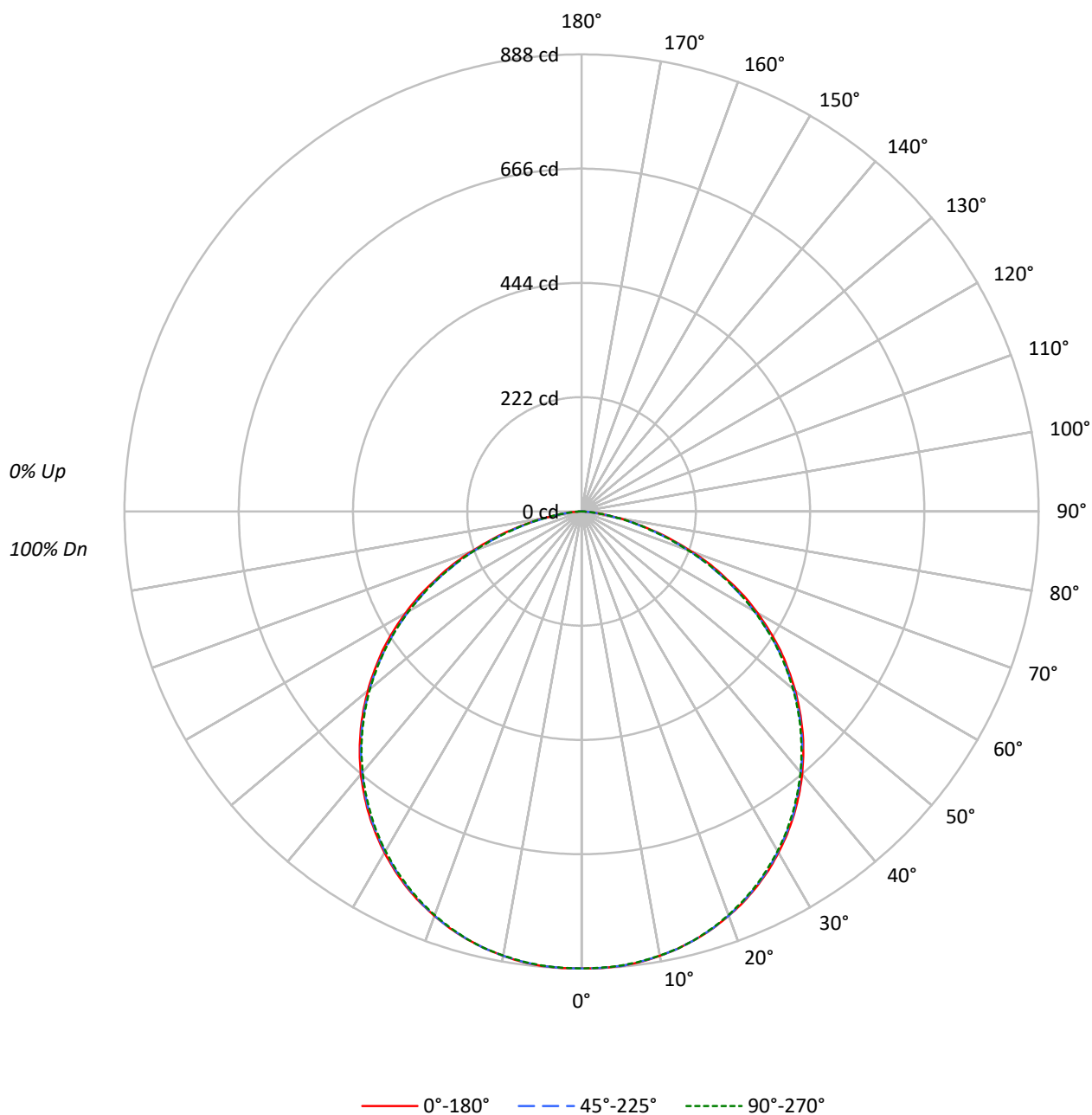
Lumens per Lamp: N/A
Luminaire Lumens: 2509.8 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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°	1195	1195	1195
5°	1197	1197	1196
10°	1198	1198	1197
15°	1198	1198	1198
20°	1197	1197	1195
25°	1195	1193	1191
30°	1190	1186	1184
35°	1182	1179	1174
40°	1171	1164	1162
45°	1156	1149	1146
50°	1135	1126	1123
55°	1108	1092	1091
60°	1062	1043	1043
65°	993	970	973
70°	894	866	864
75°	750	721	717
80°	548	521	543
85°	310	286	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	3.4
10°-20°	242.8	9.7
20°-30°	370.2	14.8
30°-40°	448.6	17.9
40°-50°	465.9	18.6
50°-60°	416.8	16.6
60°-70°	303.8	12.1
70°-80°	150.4	6.0
80°-90°	26.9	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°	697.4	27.8
0°-40°	1145.9	45.7
0°-60°	2028.7	80.8
0°-90°	2509.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2509.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	886	887	886	886	886	84
15°	860	860	860	861	860	243
25°	805	804	803	803	802	371
35°	720	718	718	716	715	450
45°	608	606	604	603	602	468
55°	472	469	466	466	465	421
65°	312	309	305	306	306	309
75°	144	142	139	141	138	154
85°	20	18	18	19	19	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.0	888.0	888.0	888.0	888.0
2.5°	888.0	887.7	887.7	888.0	887.4
5°	886.4	886.8	886.4	886.4	885.8
7.5°	882.9	882.6	882.3	882.6	881.7
10°	876.9	876.9	876.6	876.9	876.2
12.5°	869.5	869.5	869.5	869.9	869.5
15°	860.3	860.0	860.0	860.6	860.0
17.5°	849.5	849.2	849.2	848.8	848.2
20°	836.1	836.1	835.8	835.5	834.5
22.5°	821.7	821.4	820.5	820.5	819.2
25°	804.9	803.9	803.3	803.0	802.0
27.5°	786.4	785.1	784.2	783.5	782.6
30°	765.7	764.4	763.4	762.5	761.8
32.5°	743.4	742.7	741.1	740.8	739.5
35°	719.5	718.5	717.6	716.3	715.0
37.5°	694.0	693.0	690.8	690.2	689.2
40°	666.9	665.6	662.8	662.8	661.8
42.5°	637.9	636.6	634.7	633.4	632.8
45°	607.6	606.4	604.1	602.9	602.2
47.5°	575.4	574.5	571.9	571.0	570.0
50°	542.0	540.7	537.8	537.2	536.3
52.5°	506.9	506.3	502.5	502.2	501.2
55°	472.2	468.7	465.5	465.5	464.9
57.5°	434.0	431.4	427.3	427.3	426.6
60°	394.5	392.2	387.5	388.1	387.5
62.5°	355.9	351.1	346.7	348.6	347.0
65°	311.9	309.4	304.6	305.9	305.6
67.5°	271.8	267.0	262.6	265.1	263.8
70°	227.2	224.6	220.2	222.7	219.5
72.5°	185.1	182.9	178.4	181.3	178.1
75°	144.3	142.1	138.6	141.2	138.0
77.5°	105.8	104.2	101.0	103.6	104.2
80°	70.7	68.8	67.2	69.5	70.1
82.5°	41.4	40.1	39.5	39.8	41.4
85°	20.1	18.5	18.5	18.8	18.8
87.5°	5.4	4.8	5.4	5.7	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)