

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: P975056

Luminaire Tested: FLR2-24-30HE-L950-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P975056
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: FLR2-24-30HE-L950-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

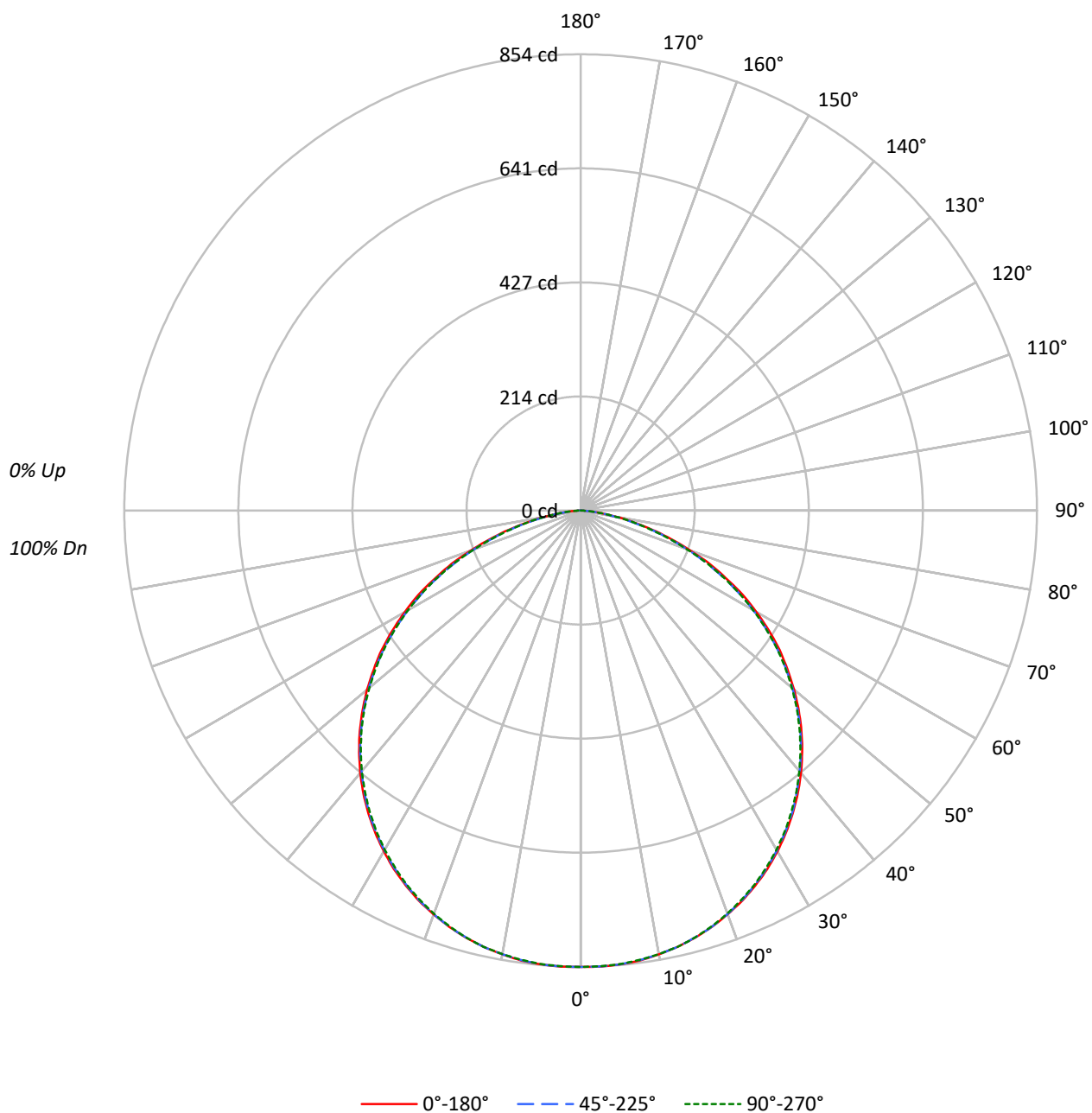
Lumens per Lamp: N/A
Luminaire Lumens: 2415.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.9
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°	1150	1150	1150
5°	1152	1152	1151
10°	1153	1152	1152
15°	1153	1153	1153
20°	1152	1151	1150
25°	1150	1147	1146
30°	1145	1141	1139
35°	1137	1134	1130
40°	1127	1120	1118
45°	1113	1106	1103
50°	1092	1083	1080
55°	1066	1051	1049
60°	1021	1003	1003
65°	956	933	936
70°	860	834	831
75°	722	693	690
80°	528	501	522
85°	298	275	279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1113 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.4
10°-20°	233.7	9.7
20°-30°	356.2	14.8
30°-40°	431.6	17.9
40°-50°	448.3	18.6
50°-60°	401.1	16.6
60°-70°	292.3	12.1
70°-80°	144.8	6.0
80°-90°	25.9	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°	671.0	27.8
0°-40°	1102.6	45.7
0°-60°	1952.0	80.8
0°-90°	2415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	853	853	853	853	852	81
15°	828	828	828	828	828	234
25°	774	774	773	773	772	357
35°	692	691	690	689	688	433
45°	585	583	581	580	580	451
55°	454	451	448	448	447	405
65°	300	298	293	294	294	298
75°	139	137	133	136	133	148
85°	19	18	18	18	18	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	854.5	854.5	854.5	854.5	854.5
2.5°	854.5	854.2	854.2	854.5	853.9
5°	852.9	853.2	852.9	852.9	852.3
7.5°	849.6	849.3	848.9	849.3	848.3
10°	843.7	843.7	843.4	843.7	843.1
12.5°	836.7	836.7	836.7	837.0	836.7
15°	827.8	827.5	827.5	828.1	827.5
17.5°	817.4	817.1	817.1	816.8	816.1
20°	804.5	804.5	804.2	803.9	803.0
22.5°	790.7	790.4	789.5	789.5	788.2
25°	774.4	773.5	772.9	772.6	771.7
27.5°	756.7	755.4	754.5	753.9	753.0
30°	736.7	735.5	734.6	733.7	733.1
32.5°	715.3	714.7	713.1	712.8	711.6
35°	692.3	691.4	690.4	689.2	688.0
37.5°	667.8	666.8	664.7	664.1	663.2
40°	641.7	640.5	637.7	637.7	636.8
42.5°	613.8	612.6	610.7	609.5	608.9
45°	584.7	583.4	581.3	580.1	579.5
47.5°	553.7	552.8	550.3	549.4	548.5
50°	521.5	520.3	517.5	516.9	516.0
52.5°	487.8	487.2	483.5	483.2	482.3
55°	454.4	451.0	447.9	447.9	447.3
57.5°	417.6	415.1	411.1	411.1	410.5
60°	379.6	377.4	372.8	373.4	372.8
62.5°	342.5	337.9	333.6	335.4	333.9
65°	300.2	297.7	293.1	294.3	294.0
67.5°	261.5	256.9	252.6	255.1	253.9
70°	218.6	216.1	211.9	214.3	211.2
72.5°	178.1	176.0	171.7	174.4	171.4
75°	138.9	136.7	133.4	135.8	132.8
77.5°	101.8	100.3	97.2	99.6	100.3
80°	68.1	66.2	64.7	66.8	67.4
82.5°	39.9	38.6	38.0	38.3	39.9
85°	19.3	17.8	17.8	18.1	18.1
87.5°	5.2	4.6	5.2	5.5	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)