

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: P975089

Luminaire Tested: FLR2-24-30HE-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P975089
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-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

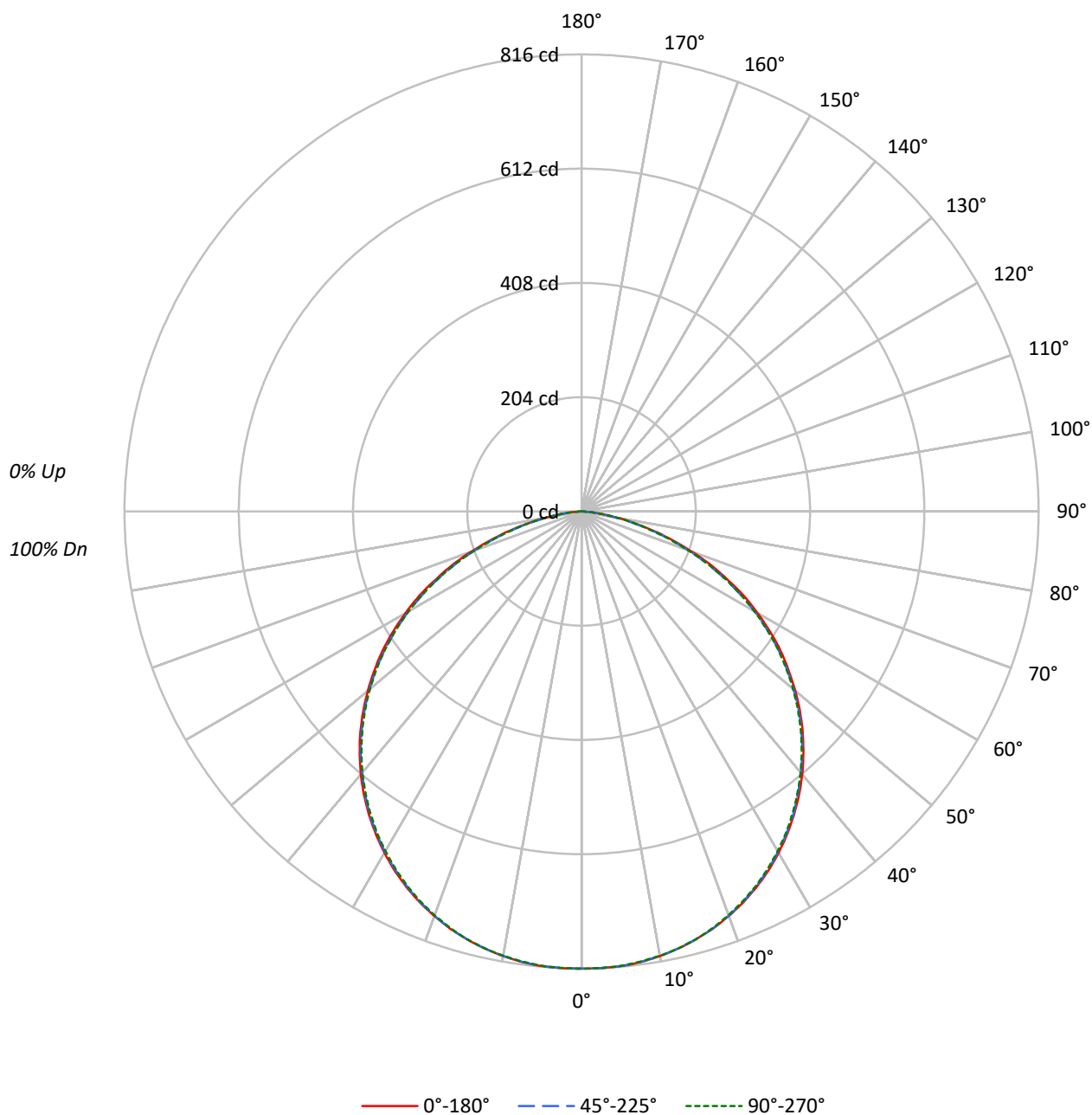
Lumens per Lamp: N/A
Luminaire Lumens: 2307.2 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1098	1098	1098
5°	1101	1101	1100
10°	1101	1101	1101
15°	1102	1101	1101
20°	1101	1100	1098
25°	1098	1096	1094
30°	1094	1090	1088
35°	1086	1083	1080
40°	1077	1070	1069
45°	1063	1057	1053
50°	1043	1035	1032
55°	1018	1004	1002
60°	976	959	959
65°	913	891	894
70°	821	796	794
75°	690	662	659
80°	504	479	499
85°	286	262	267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1063 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	3.4
10°-20°	223.2	9.7
20°-30°	340.3	14.8
30°-40°	412.4	17.9
40°-50°	428.3	18.6
50°-60°	383.2	16.6
60°-70°	279.3	12.1
70°-80°	138.3	6.0
80°-90°	24.7	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°	641.1	27.8
0°-40°	1053.4	45.7
0°-60°	1864.9	80.8
0°-90°	2307.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	815	815	815	815	814	78
15°	791	791	791	791	791	223
25°	740	739	738	738	737	341
35°	661	660	660	658	657	414
45°	559	557	555	554	554	430
55°	434	431	428	428	427	387
65°	287	284	280	281	281	284
75°	133	131	127	130	127	141
85°	18	17	17	17	17	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.3	816.3	816.3	816.3	816.3
2.5°	816.3	816.0	816.0	816.3	815.7
5°	814.9	815.2	814.9	814.9	814.3
7.5°	811.6	811.3	811.1	811.3	810.5
10°	806.1	806.1	805.8	806.1	805.5
12.5°	799.3	799.3	799.3	799.6	799.3
15°	790.8	790.6	790.6	791.1	790.6
17.5°	780.9	780.6	780.6	780.3	779.7
20°	768.6	768.6	768.3	768.0	767.1
22.5°	755.4	755.1	754.2	754.2	753.1
25°	739.9	739.0	738.4	738.1	737.2
27.5°	722.9	721.7	720.8	720.3	719.4
30°	703.9	702.7	701.8	700.9	700.3
32.5°	683.3	682.8	681.3	681.0	679.8
35°	661.4	660.5	659.6	658.5	657.3
37.5°	637.9	637.1	635.0	634.4	633.6
40°	613.1	611.9	609.2	609.2	608.4
42.5°	586.4	585.2	583.5	582.3	581.7
45°	558.6	557.4	555.3	554.2	553.6
47.5°	529.0	528.1	525.8	524.9	524.0
50°	498.2	497.1	494.4	493.8	493.0
52.5°	466.0	465.4	461.9	461.6	460.7
55°	434.1	430.9	427.9	427.9	427.3
57.5°	398.9	396.6	392.8	392.8	392.2
60°	362.6	360.6	356.2	356.8	356.2
62.5°	327.2	322.8	318.7	320.4	319.0
65°	286.8	284.4	280.0	281.2	280.9
67.5°	249.8	245.5	241.4	243.7	242.5
70°	208.8	206.5	202.4	204.7	201.8
72.5°	170.2	168.1	164.0	166.7	163.7
75°	132.7	130.6	127.4	129.8	126.8
77.5°	97.2	95.8	92.9	95.2	95.8
80°	65.0	63.3	61.8	63.9	64.4
82.5°	38.1	36.9	36.3	36.6	38.1
85°	18.5	17.0	17.0	17.3	17.3
87.5°	5.0	4.4	5.0	5.3	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)