

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: P974595

Luminaire Tested: FLR2-24-35HE-L930-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974595
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-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

Summary

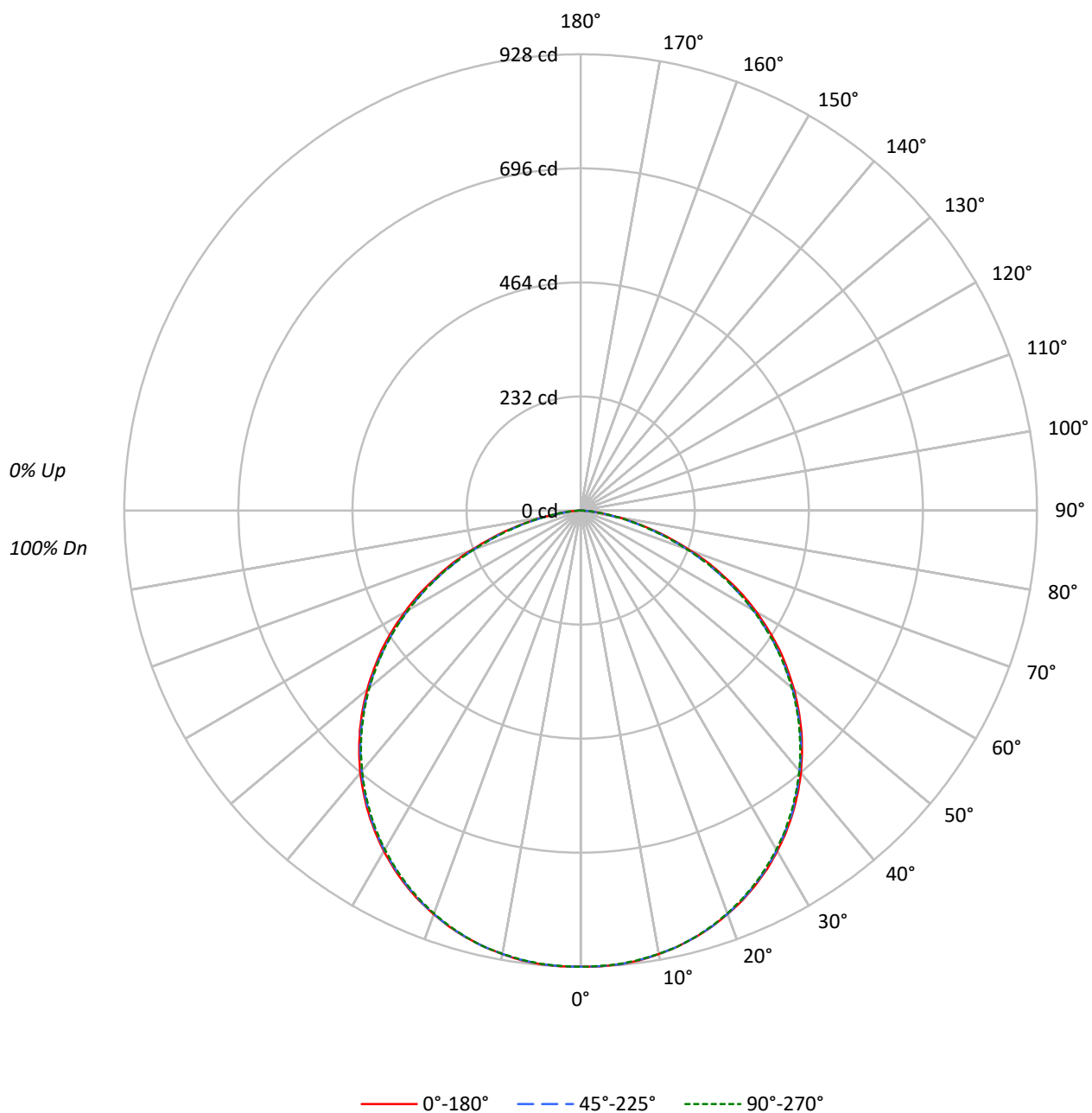
Lumens per Lamp: N/A
Luminaire Lumens: 2622.9 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1249	1249	1249
5°	1251	1251	1250
10°	1252	1251	1251
15°	1252	1252	1252
20°	1251	1251	1249
25°	1249	1246	1244
30°	1243	1239	1237
35°	1235	1232	1227
40°	1224	1216	1215
45°	1208	1201	1197
50°	1186	1177	1173
55°	1158	1141	1140
60°	1109	1090	1090
65°	1038	1013	1017
70°	934	905	902
75°	784	753	750
80°	573	545	568
85°	324	298	303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1208 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	3.4
10°-20°	253.8	9.7
20°-30°	386.9	14.8
30°-40°	468.8	17.9
40°-50°	486.9	18.6
50°-60°	435.6	16.6
60°-70°	317.5	12.1
70°-80°	157.2	6.0
80°-90°	28.1	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°	728.8	27.8
0°-40°	1197.5	45.7
0°-60°	2120.1	80.8
0°-90°	2622.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2622.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	926	927	926	926	926	88
15°	899	899	899	899	899	254
25°	841	840	840	839	838	388
35°	752	751	750	749	747	470
45°	635	634	631	630	629	489
55°	494	490	486	486	486	440
65°	326	323	318	320	319	323
75°	151	148	145	148	144	161
85°	21	19	19	20	20	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.0	928.0	928.0	928.0	928.0
2.5°	928.0	927.7	927.7	928.0	927.4
5°	926.4	926.7	926.4	926.4	925.7
7.5°	922.7	922.4	922.0	922.4	921.4
10°	916.4	916.4	916.0	916.4	915.7
12.5°	908.7	908.7	908.7	909.1	908.7
15°	899.1	898.7	898.7	899.4	898.7
17.5°	887.7	887.4	887.4	887.1	886.4
20°	873.8	873.8	873.4	873.1	872.1
22.5°	858.8	858.4	857.4	857.4	856.1
25°	841.1	840.1	839.5	839.1	838.1
27.5°	821.8	820.5	819.5	818.8	817.8
30°	800.2	798.8	797.8	796.8	796.2
32.5°	776.9	776.2	774.5	774.2	772.9
35°	751.9	750.9	749.9	748.6	747.2
37.5°	725.2	724.2	721.9	721.2	720.2
40°	696.9	695.6	692.6	692.6	691.6
42.5°	666.6	665.3	663.3	662.0	661.3
45°	635.0	633.7	631.3	630.0	629.3
47.5°	601.4	600.4	597.7	596.7	595.7
50°	566.4	565.1	562.1	561.4	560.4
52.5°	529.8	529.1	525.1	524.8	523.8
55°	493.5	489.8	486.5	486.5	485.8
57.5°	453.5	450.9	446.5	446.5	445.9
60°	412.2	409.9	404.9	405.6	404.9
62.5°	371.9	367.0	362.3	364.3	362.6
65°	326.0	323.3	318.3	319.7	319.3
67.5°	284.0	279.0	274.4	277.0	275.7
70°	237.4	234.8	230.1	232.8	229.4
72.5°	193.5	191.1	186.5	189.5	186.1
75°	150.8	148.5	144.8	147.5	144.2
77.5°	110.6	108.9	105.6	108.2	108.9
80°	73.9	71.9	70.3	72.6	73.3
82.5°	43.3	42.0	41.3	41.6	43.3
85°	21.0	19.3	19.3	19.6	19.6
87.5°	5.7	5.0	5.7	6.0	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)