

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: P974234

Luminaire Tested: FLR2-24-30-L935-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974234
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-L935-CP125
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-30-L935-CP125
Ballast/Driver: -

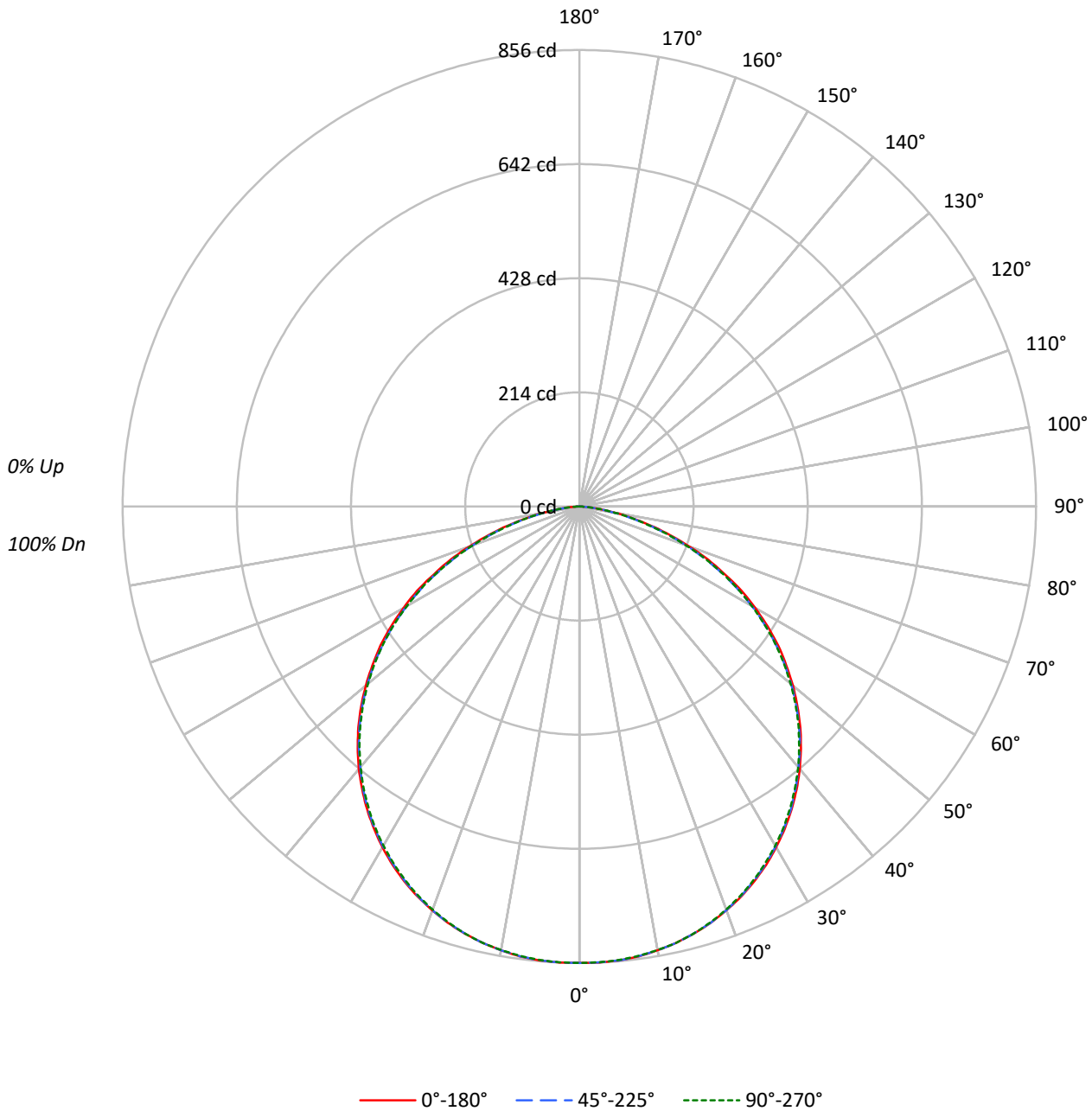
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2419.5 lumens
Efficiency: N/A
Efficacy: 102.1 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										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100														
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85	85	85	85	85	85	85														
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71	71	71	71	71	71	71														
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60	60	60	60	60	60	60														
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51	51	51	51	51	51	51														
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44	44	44	44	44	44	44														
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38	38	38	38	38	38	38														
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34	34	34	34	34	34	34														
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30	30	30	30	30	30	30														
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27	27	27	27	27	27	27														
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25	25	25	25	25	25	25														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1152	1152	1152
5°	1154	1154	1153
10°	1155	1154	1154
15°	1155	1155	1155
20°	1154	1154	1152
25°	1152	1150	1148
30°	1147	1143	1141
35°	1139	1136	1132
40°	1129	1122	1121
45°	1115	1108	1105
50°	1094	1085	1082
55°	1068	1053	1051
60°	1023	1005	1005
65°	957	935	938
70°	862	835	832
75°	723	695	691
80°	528	502	524
85°	299	275	279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1115 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	3.4
10°-20°	234.1	9.7
20°-30°	356.9	14.8
30°-40°	432.4	17.9
40°-50°	449.2	18.6
50°-60°	401.8	16.6
60°-70°	292.9	12.1
70°-80°	145.0	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°	672.3	27.8
0°-40°	1104.7	45.7
0°-60°	1955.7	80.8
0°-90°	2419.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2419.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	854	855	854	854	854	81
15°	829	829	829	830	829	234
25°	776	775	774	774	773	358
35°	694	693	692	690	689	434
45°	586	584	582	581	581	451
55°	455	452	449	449	448	406
65°	301	298	294	295	295	298
75°	139	137	134	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°	856.1	856.1	856.1	856.1	856.1
2.5°	856.1	855.8	855.8	856.1	855.5
5°	854.5	854.9	854.5	854.5	853.9
7.5°	851.2	850.9	850.6	850.9	849.9
10°	845.3	845.3	845.0	845.3	844.7
12.5°	838.3	838.3	838.3	838.6	838.3
15°	829.4	829.1	829.1	829.7	829.1
17.5°	818.9	818.6	818.6	818.3	817.7
20°	806.0	806.0	805.7	805.4	804.5
22.5°	792.2	791.9	791.0	791.0	789.7
25°	775.9	775.0	774.4	774.1	773.1
27.5°	758.1	756.9	755.9	755.3	754.4
30°	738.1	736.9	736.0	735.1	734.4
32.5°	716.6	716.0	714.5	714.2	712.9
35°	693.6	692.7	691.7	690.5	689.3
37.5°	669.0	668.1	665.9	665.3	664.4
40°	642.9	641.7	638.9	638.9	638.0
42.5°	615.0	613.7	611.9	610.7	610.0
45°	585.8	584.5	582.4	581.2	580.6
47.5°	554.7	553.8	551.4	550.4	549.5
50°	522.5	521.3	518.5	517.9	517.0
52.5°	488.7	488.1	484.4	484.1	483.2
55°	455.2	451.8	448.8	448.8	448.2
57.5°	418.4	415.9	411.9	411.9	411.3
60°	380.3	378.1	373.5	374.1	373.5
62.5°	343.1	338.5	334.2	336.0	334.5
65°	300.7	298.3	293.7	294.9	294.6
67.5°	262.0	257.4	253.1	255.6	254.3
70°	219.0	216.6	212.3	214.7	211.6
72.5°	178.5	176.3	172.0	174.8	171.7
75°	139.1	137.0	133.6	136.1	133.0
77.5°	102.0	100.4	97.4	99.8	100.4
80°	68.2	66.3	64.8	67.0	67.6
82.5°	39.9	38.7	38.1	38.4	39.9
85°	19.4	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)