

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: P974482

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

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974482
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-CP375
Description: SHAPER SENSE CIRCLE

Light Source: FLR2-24-30-L950-CP375
Ballast/Driver: -

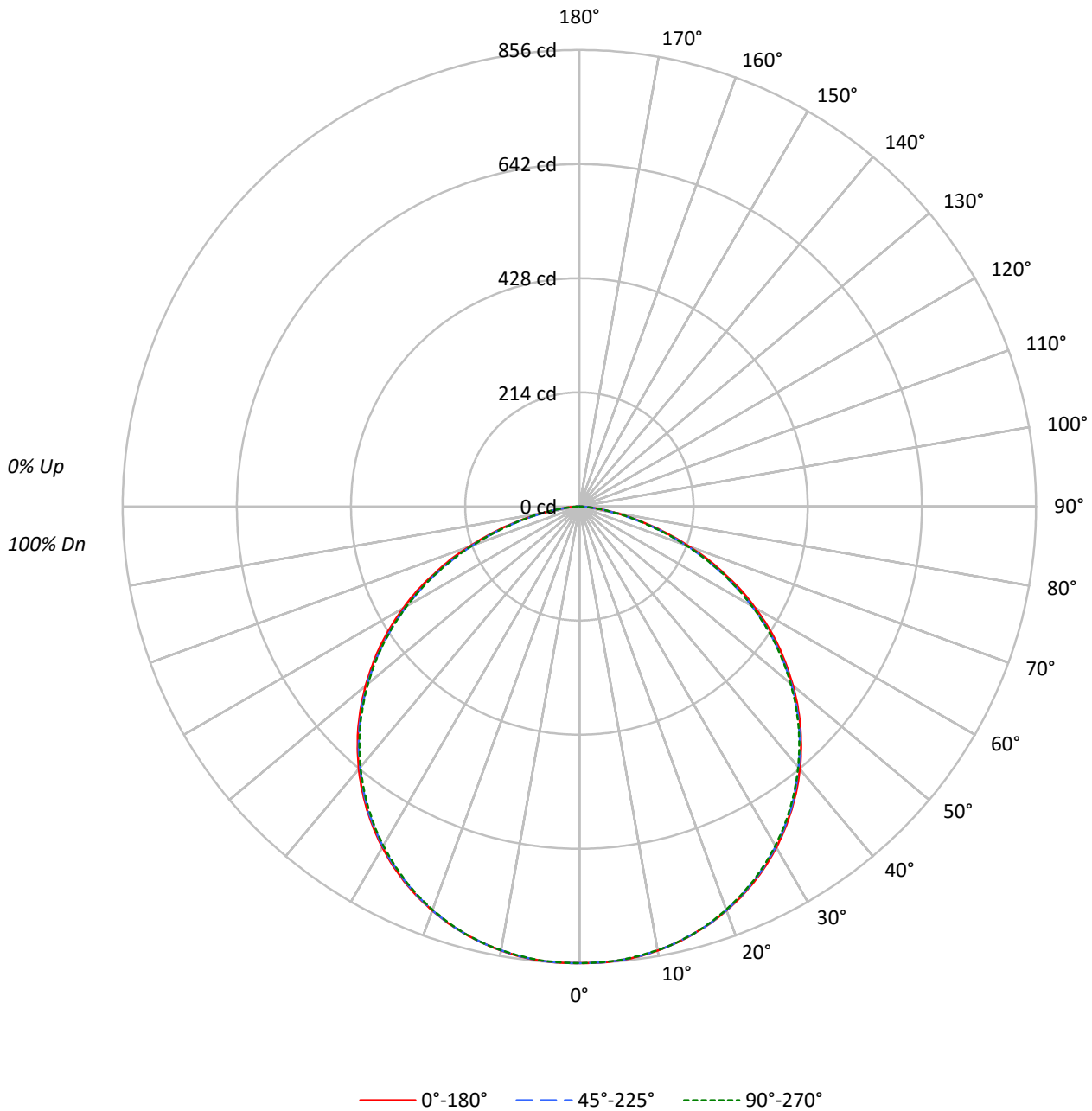
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2420.3 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														
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°	1152	1152	1152
5°	1155	1155	1154
10°	1155	1155	1154
15°	1156	1155	1155
20°	1154	1154	1152
25°	1152	1150	1148
30°	1147	1144	1141
35°	1140	1137	1133
40°	1130	1123	1121
45°	1115	1109	1105
50°	1094	1086	1082
55°	1068	1053	1052
60°	1024	1005	1005
65°	958	935	938
70°	862	835	833
75°	724	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°	234.2	9.7
20°-30°	357.0	14.8
30°-40°	432.6	17.9
40°-50°	449.3	18.6
50°-60°	402.0	16.6
60°-70°	293.0	12.1
70°-80°	145.1	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°	672.5	27.8
0°-40°	1105.1	45.7
0°-60°	1956.3	80.8
0°-90°	2420.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	855	855	855	855	854	81
15°	830	829	829	830	829	234
25°	776	775	775	774	773	358
35°	694	693	692	691	690	434
45°	586	585	583	581	581	452
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°	856.4	856.4	856.4	856.4	856.4
2.5°	856.4	856.1	856.1	856.4	855.7
5°	854.8	855.1	854.8	854.8	854.2
7.5°	851.4	851.1	850.8	851.1	850.2
10°	845.6	845.6	845.3	845.6	845.0
12.5°	838.5	838.5	838.5	838.8	838.5
15°	829.6	829.3	829.3	829.9	829.3
17.5°	819.2	818.9	818.9	818.6	818.0
20°	806.3	806.3	806.0	805.7	804.7
22.5°	792.4	792.1	791.2	791.2	790.0
25°	776.2	775.2	774.6	774.3	773.4
27.5°	758.3	757.1	756.2	755.6	754.7
30°	738.4	737.1	736.2	735.3	734.7
32.5°	716.9	716.2	714.7	714.4	713.2
35°	693.8	692.9	692.0	690.7	689.5
37.5°	669.2	668.3	666.2	665.5	664.6
40°	643.1	641.9	639.1	639.1	638.2
42.5°	615.2	613.9	612.1	610.9	610.2
45°	586.0	584.7	582.6	581.4	580.7
47.5°	554.9	554.0	551.5	550.6	549.7
50°	522.7	521.4	518.7	518.1	517.1
52.5°	488.9	488.3	484.6	484.3	483.3
55°	455.4	452.0	448.9	448.9	448.3
57.5°	418.5	416.0	412.0	412.0	411.4
60°	380.4	378.2	373.6	374.3	373.6
62.5°	343.2	338.6	334.3	336.2	334.6
65°	300.8	298.4	293.7	295.0	294.7
67.5°	262.1	257.5	253.2	255.6	254.4
70°	219.1	216.6	212.3	214.8	211.7
72.5°	178.5	176.4	172.1	174.8	171.8
75°	139.2	137.0	133.7	136.1	133.0
77.5°	102.0	100.5	97.4	99.9	100.5
80°	68.2	66.4	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)