

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: P973369

Luminaire Tested: FLR2-14-30-L930-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-14-30-L930-CA125
Description: 1*4 FLR-2.0 3000 LUMEN at 3000CCT & 90CRI with Clear Acrylic (0.125" thickness)

Light Source:
Ballast/Driver: -

Summary

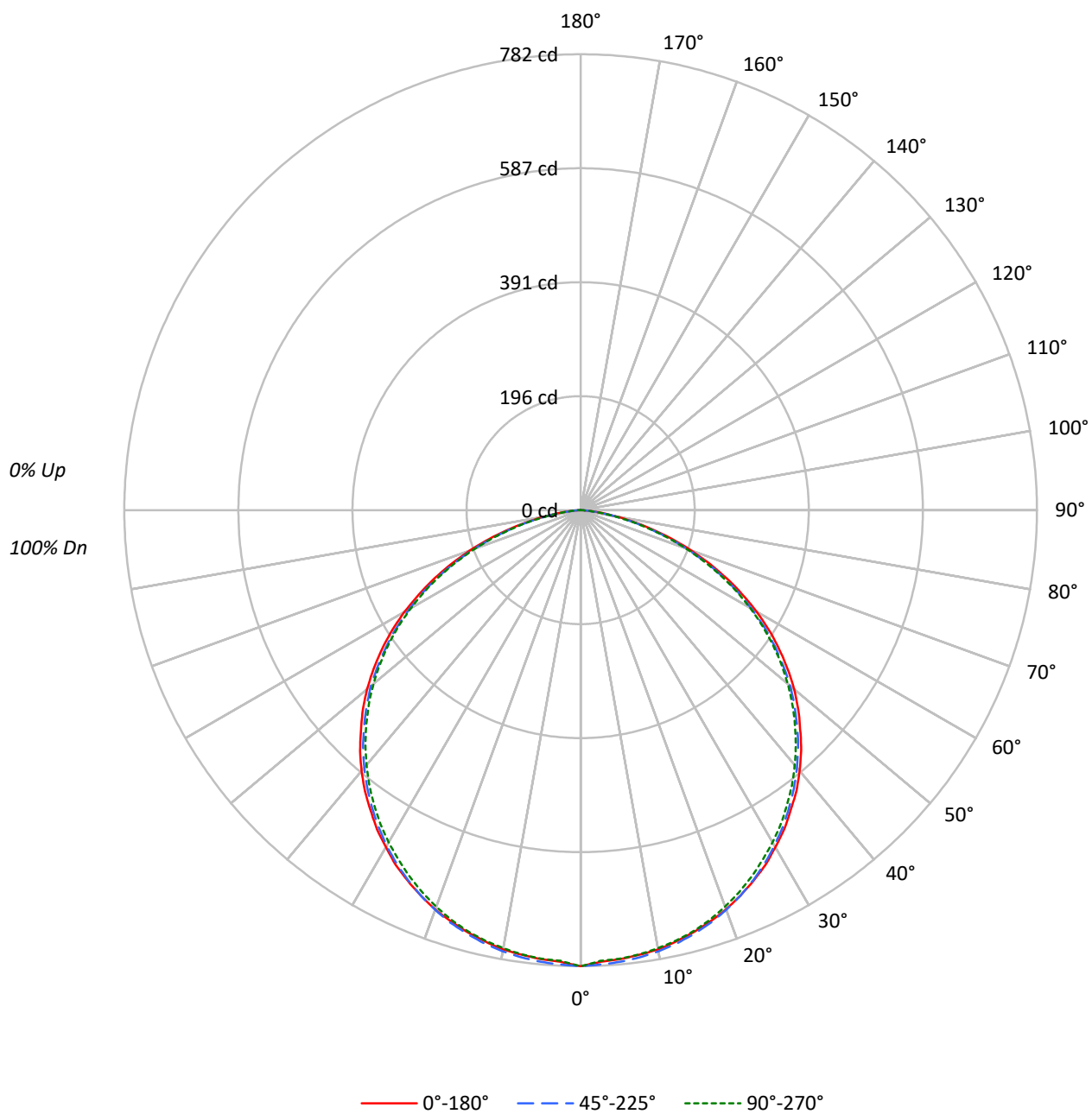
Lumens per Lamp: N/A
Luminaire Lumens: 2189.4 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.25 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
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					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		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60		
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51		
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44		
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39		
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34		
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30		
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27		
10	53	40	32	27	52	39	32	27	38	32	27	38	31	27	37	31	26	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2105	2105	2105
5°	2089	2101	2086
10°	2091	2099	2084
15°	2087	2095	2083
20°	2087	2089	2072
25°	2082	2078	2059
30°	2073	2064	2044
35°	2062	2046	2026
40°	2051	2025	2005
45°	2026	1997	1976
50°	1999	1963	1940
55°	1949	1903	1885
60°	1873	1821	1805
65°	1754	1703	1684
70°	1582	1519	1506
75°	1327	1259	1246
80°	964	899	872
85°	509	451	411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2026 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.4
10°-20°	212.8	9.7
20°-30°	323.3	14.8
30°-40°	391.0	17.9
40°-50°	406.4	18.6
50°-60°	363.9	16.6
60°-70°	265.4	12.1
70°-80°	130.7	6.0
80°-90°	21.9	1.0
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°	610.1	27.9
0°-40°	1001.2	45.7
0°-60°	1771.4	80.9
0°-90°	2189.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2189.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	773	782	778	785	772	74
15°	749	756	752	759	748	212
25°	701	705	700	703	694	323
35°	628	629	623	626	617	393
45°	532	532	525	526	519	411
55°	415	412	406	405	402	371
65°	276	272	267	266	264	272
75°	128	125	121	120	120	136
85°	16	16	15	13	13	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.2	782.2	782.2	782.2	782.2
2.5°	775.4	784.2	780.0	787.7	773.8
5°	773.2	781.6	777.7	785.2	772.2
7.5°	769.3	778.0	773.8	780.9	768.6
10°	765.1	772.9	768.3	775.4	762.8
12.5°	757.6	765.4	761.2	767.7	756.0
15°	749.2	756.0	752.1	758.6	747.6
17.5°	739.5	746.0	741.8	747.6	736.6
20°	728.8	734.0	729.5	734.3	723.6
22.5°	715.5	720.4	715.5	718.8	709.4
25°	701.3	704.9	700.0	703.2	693.5
27.5°	686.1	688.0	683.2	685.8	675.7
30°	667.3	669.6	664.4	667.6	657.9
32.5°	649.2	650.5	644.6	647.2	638.5
35°	627.8	629.1	622.9	625.5	616.8
37.5°	607.4	607.1	600.6	602.2	594.8
40°	583.8	583.4	576.6	577.9	570.8
42.5°	559.5	558.2	551.7	552.4	545.9
45°	532.3	531.6	524.8	525.8	519.3
47.5°	506.1	504.1	497.3	497.6	492.1
50°	477.6	474.7	468.8	468.2	463.3
52.5°	447.1	443.9	437.4	436.8	433.2
55°	415.4	411.8	405.7	404.7	401.8
57.5°	382.7	378.2	373.3	371.4	369.1
60°	348.1	343.8	338.3	336.4	335.4
62.5°	312.1	307.9	303.7	301.8	300.5
65°	275.5	272.3	267.4	265.5	264.5
67.5°	238.3	235.4	230.9	228.6	228.3
70°	201.1	198.2	193.0	191.7	191.4
72.5°	163.8	161.2	156.4	155.1	155.1
75°	127.6	125.3	121.1	119.8	119.8
77.5°	93.2	91.3	88.1	86.4	86.4
80°	62.2	60.9	58.0	56.7	56.3
82.5°	35.9	35.3	32.7	31.4	32.1
85°	16.5	15.9	14.6	13.0	13.3
87.5°	4.2	3.9	2.9	2.3	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)