

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: P973363

Luminaire Tested: FLR2-14-30-L930-CP375

Issue Date: 3/13/2025

**Test Information**

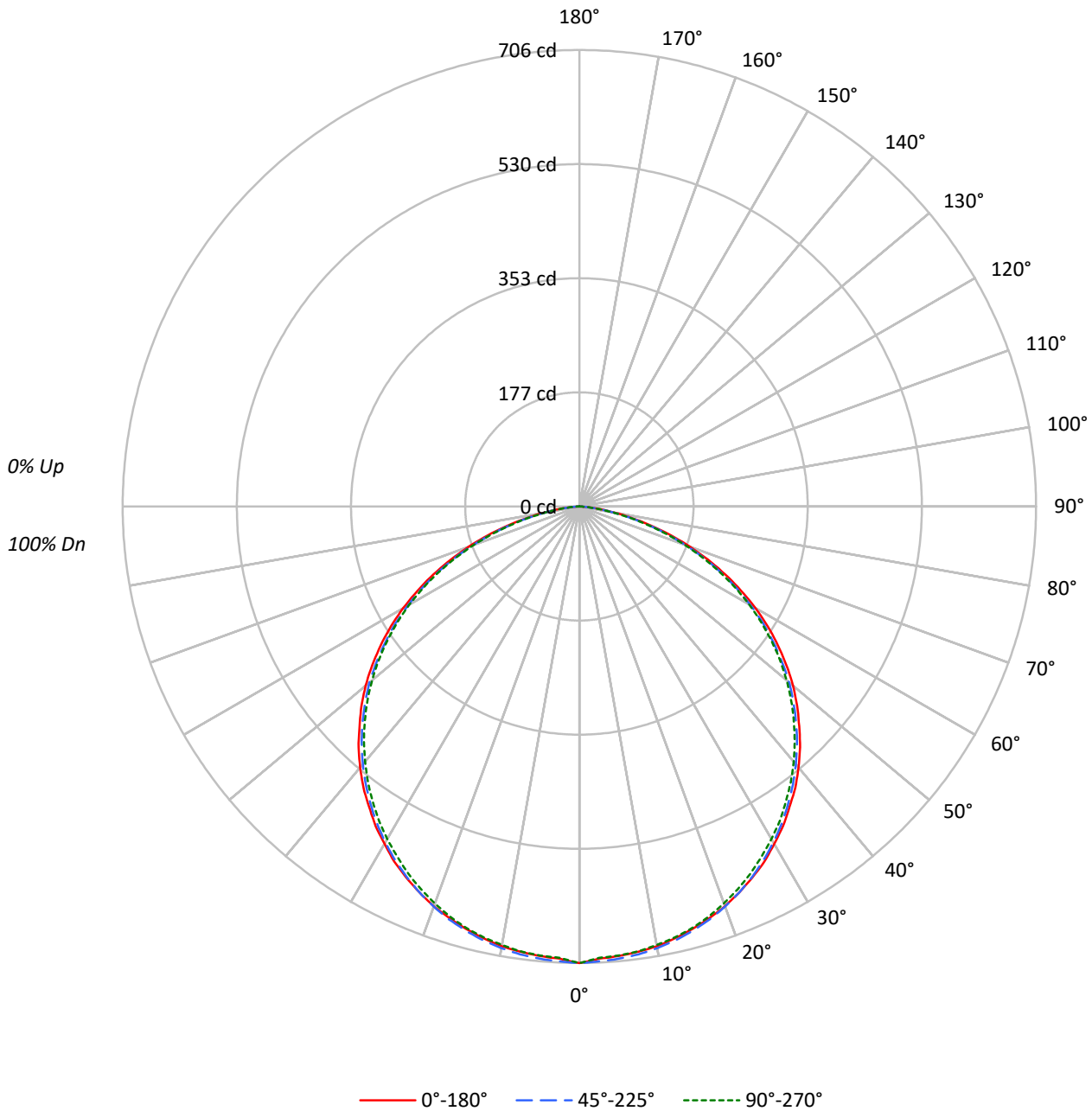
Test Method: LM-79-2019  
Report Number: P973363  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/13/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: FLR2-14-30-L930-CP375  
Description: 1\*4 FLR-2.0 3000 LUMEN at 3000CCT & 80CRI with Clear Polycarbonate (0.375" thickness)  
  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1976.8 lumens  
Efficiency: N/A  
Efficacy: 82.7 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				10	0
RW	70	50	30	10	70	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
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°	1901	1901	1901
5°	1886	1897	1883
10°	1888	1896	1882
15°	1885	1892	1880
20°	1884	1886	1871
25°	1880	1877	1859
30°	1872	1864	1846
35°	1862	1848	1829
40°	1852	1829	1811
45°	1829	1803	1784
50°	1805	1772	1751
55°	1760	1719	1702
60°	1692	1644	1630
65°	1584	1538	1521
70°	1428	1371	1360
75°	1198	1136	1125
80°	869	810	789
85°	460	408	371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1829 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.9	3.4
10°-20°	192.1	9.7
20°-30°	291.9	14.8
30°-40°	353.1	17.9
40°-50°	366.9	18.6
50°-60°	328.5	16.6
60°-70°	239.6	12.1
70°-80°	118.0	6.0
80°-90°	19.7	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°	550.9	27.9
0°-40°	903.9	45.7
0°-60°	1599.4	80.9
0°-90°	1976.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1976.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	698	706	702	709	697	66
15°	676	683	679	685	675	191
25°	633	636	632	635	626	292
35°	567	568	562	565	557	355
45°	481	480	474	475	469	371
55°	375	372	366	365	363	335
65°	249	246	242	240	239	246
75°	115	113	109	108	108	123
85°	15	14	13	12	12	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	706.3	706.3	706.3	706.3	706.3
2.5°	700.1	708.0	704.2	711.2	698.7
5°	698.1	705.7	702.2	708.9	697.2
7.5°	694.6	702.5	698.7	705.1	694.0
10°	690.8	697.8	693.7	700.1	688.7
12.5°	684.1	691.1	687.3	693.1	682.6
15°	676.5	682.6	679.1	684.9	675.0
17.5°	667.7	673.5	669.7	675.0	665.1
20°	658.0	662.7	658.6	663.0	653.4
22.5°	646.1	650.4	646.1	649.0	640.5
25°	633.2	636.4	632.0	634.9	626.2
27.5°	619.5	621.2	616.8	619.2	610.1
30°	602.5	604.5	599.9	602.8	594.0
32.5°	586.1	587.3	582.0	584.4	576.5
35°	566.8	568.0	562.4	564.8	556.9
37.5°	548.4	548.1	542.3	543.7	537.0
40°	527.1	526.8	520.6	521.8	515.4
42.5°	505.2	504.0	498.1	498.7	492.9
45°	480.6	480.0	473.9	474.7	468.9
47.5°	456.9	455.2	449.0	449.3	444.3
50°	431.2	428.6	423.3	422.7	418.3
52.5°	403.7	400.8	394.9	394.4	391.1
55°	375.1	371.8	366.3	365.4	362.8
57.5°	345.5	341.4	337.1	335.3	333.3
60°	314.3	310.5	305.5	303.7	302.9
62.5°	281.8	278.0	274.2	272.5	271.3
65°	248.8	245.9	241.5	239.7	238.8
67.5°	215.2	212.5	208.4	206.4	206.1
70°	181.5	178.9	174.2	173.1	172.8
72.5°	147.9	145.6	141.2	140.0	140.0
75°	115.2	113.1	109.3	108.2	108.2
77.5°	84.2	82.4	79.5	78.1	78.1
80°	56.1	55.0	52.3	51.2	50.9
82.5°	32.4	31.9	29.5	28.4	28.9
85°	14.9	14.3	13.2	11.7	12.0
87.5°	3.8	3.5	2.6	2.0	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)