

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: P973105

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

Issue Date: 3/13/2025

**Test Information**

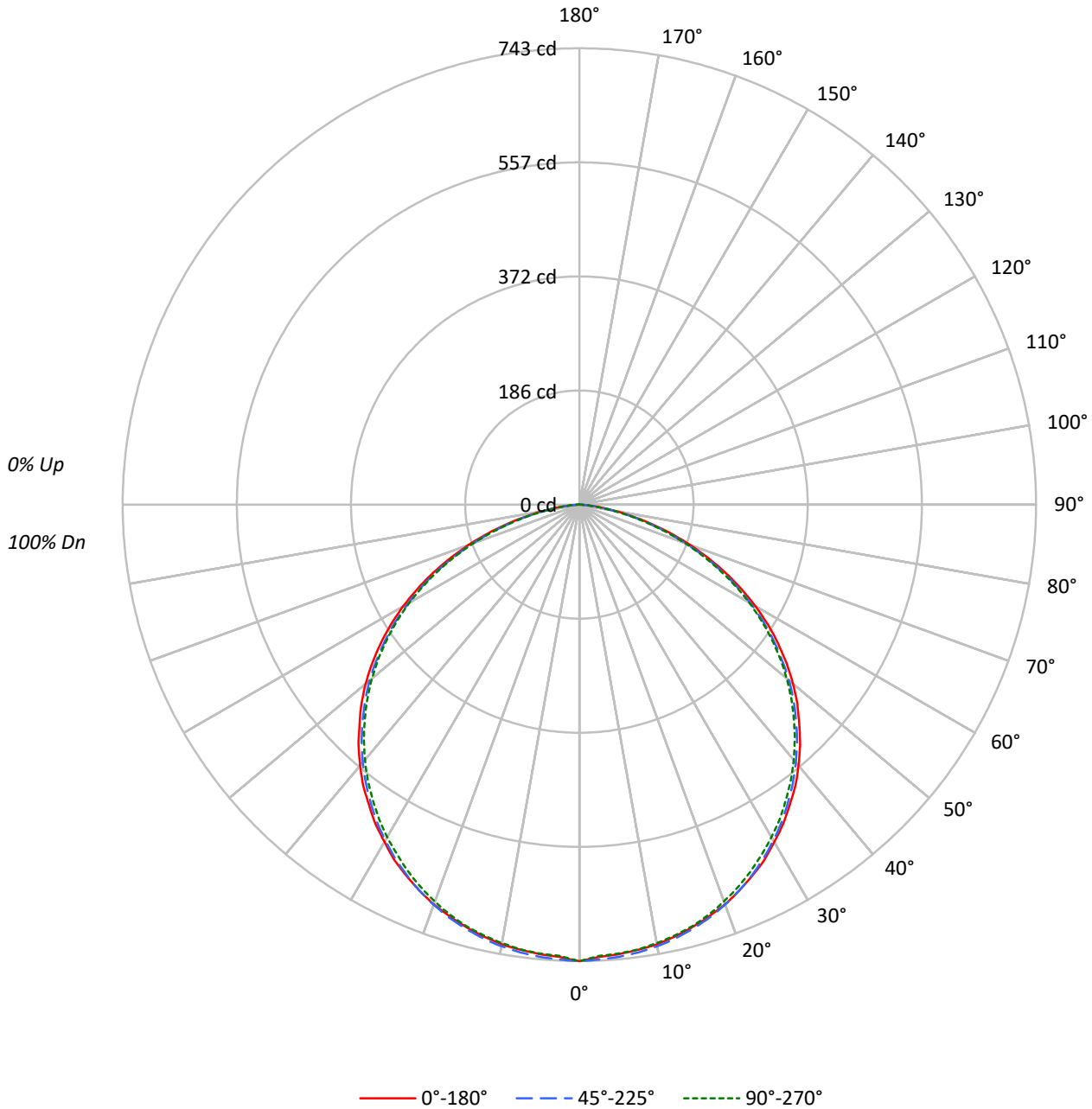
Test Method: LM-79-2019  
Report Number: P973105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/13/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: FLR2-14-30HE-L930-CP375  
Description: 1\*4 FLR-2.0 3000 Lumen High Efficacy at 3000CCT & 90 CRI Clear Polycarbonate (0.375" thickness)  
  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2080.8 lumens  
Efficiency: N/A  
Efficacy: 92.9 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): 22.4  
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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85						85														
2	99	91	85	79	97	90	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	58	53	51						51														
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44						44														
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39						39														
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	40	34	29	27						27														
10	53	40	32	27	52	39	32	27	38	32	27	38	31	27	37	31	26	25						25														

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2000	2000	2000
5°	1985	1996	1982
10°	1987	1995	1981
15°	1984	1991	1979
20°	1984	1985	1970
25°	1979	1975	1957
30°	1971	1962	1943
35°	1960	1945	1926
40°	1949	1925	1906
45°	1925	1898	1878
50°	1900	1865	1843
55°	1852	1809	1792
60°	1780	1731	1716
65°	1668	1619	1601
70°	1504	1443	1431
75°	1260	1197	1184
80°	916	854	829
85°	485	426	389

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1925 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.4	3.4
10°-20°	202.2	9.7
20°-30°	307.2	14.8
30°-40°	371.6	17.9
40°-50°	386.3	18.6
50°-60°	345.8	16.6
60°-70°	252.2	12.1
70°-80°	124.2	6.0
80°-90°	20.8	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°	579.9	27.9
0°-40°	951.5	45.7
0°-60°	1683.6	80.9
0°-90°	2080.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2080.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	735	743	739	746	734	70
15°	712	718	715	721	710	201
25°	666	670	665	668	659	307
35°	597	598	592	594	586	374
45°	506	505	499	500	494	391
55°	395	391	386	385	382	352
65°	262	259	254	252	251	259
75°	121	119	115	114	114	129
85°	16	15	14	12	13	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	743.4	743.4	743.4	743.4	743.4
2.5°	737.0	745.3	741.3	748.7	735.4
5°	734.8	742.8	739.1	746.2	733.9
7.5°	731.1	739.4	735.4	742.2	730.5
10°	727.1	734.5	730.2	737.0	725.0
12.5°	720.1	727.4	723.4	729.6	718.5
15°	712.1	718.5	714.8	721.0	710.5
17.5°	702.8	709.0	705.0	710.5	700.1
20°	692.7	697.6	693.3	697.9	687.8
22.5°	680.1	684.7	680.1	683.1	674.2
25°	666.5	669.9	665.3	668.4	659.1
27.5°	652.1	653.9	649.3	651.7	642.2
30°	634.2	636.4	631.4	634.5	625.3
32.5°	617.0	618.2	612.7	615.1	606.8
35°	596.7	597.9	592.1	594.5	586.2
37.5°	577.3	577.0	570.8	572.4	565.3
40°	554.8	554.5	548.0	549.3	542.5
42.5°	531.7	530.5	524.4	525.0	518.8
45°	505.9	505.3	498.8	499.7	493.6
47.5°	481.0	479.1	472.7	473.0	467.7
50°	453.9	451.1	445.6	445.0	440.3
52.5°	425.0	421.9	415.7	415.1	411.7
55°	394.8	391.4	385.6	384.6	381.9
57.5°	363.7	359.4	354.8	353.0	350.8
60°	330.8	326.8	321.6	319.7	318.8
62.5°	296.6	292.6	288.6	286.8	285.6
65°	261.9	258.8	254.2	252.3	251.4
67.5°	226.5	223.7	219.4	217.2	216.9
70°	191.1	188.3	183.4	182.2	181.9
72.5°	155.7	153.2	148.6	147.4	147.4
75°	121.2	119.1	115.1	113.9	113.9
77.5°	88.6	86.8	83.7	82.2	82.2
80°	59.1	57.9	55.1	53.9	53.5
82.5°	34.2	33.5	31.1	29.8	30.5
85°	15.7	15.1	13.8	12.3	12.6
87.5°	4.0	3.7	2.8	2.2	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)