

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: P973396

Luminaire Tested: FLR2-14-30-L935-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973396
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-L935-CP125
Description: 1*4 FLR-2.0 3000 LUMEN at 3500 CCT & 90 CRI Clear Polycarbonate (0.125" thickness)

Light Source:
Ballast/Driver: -

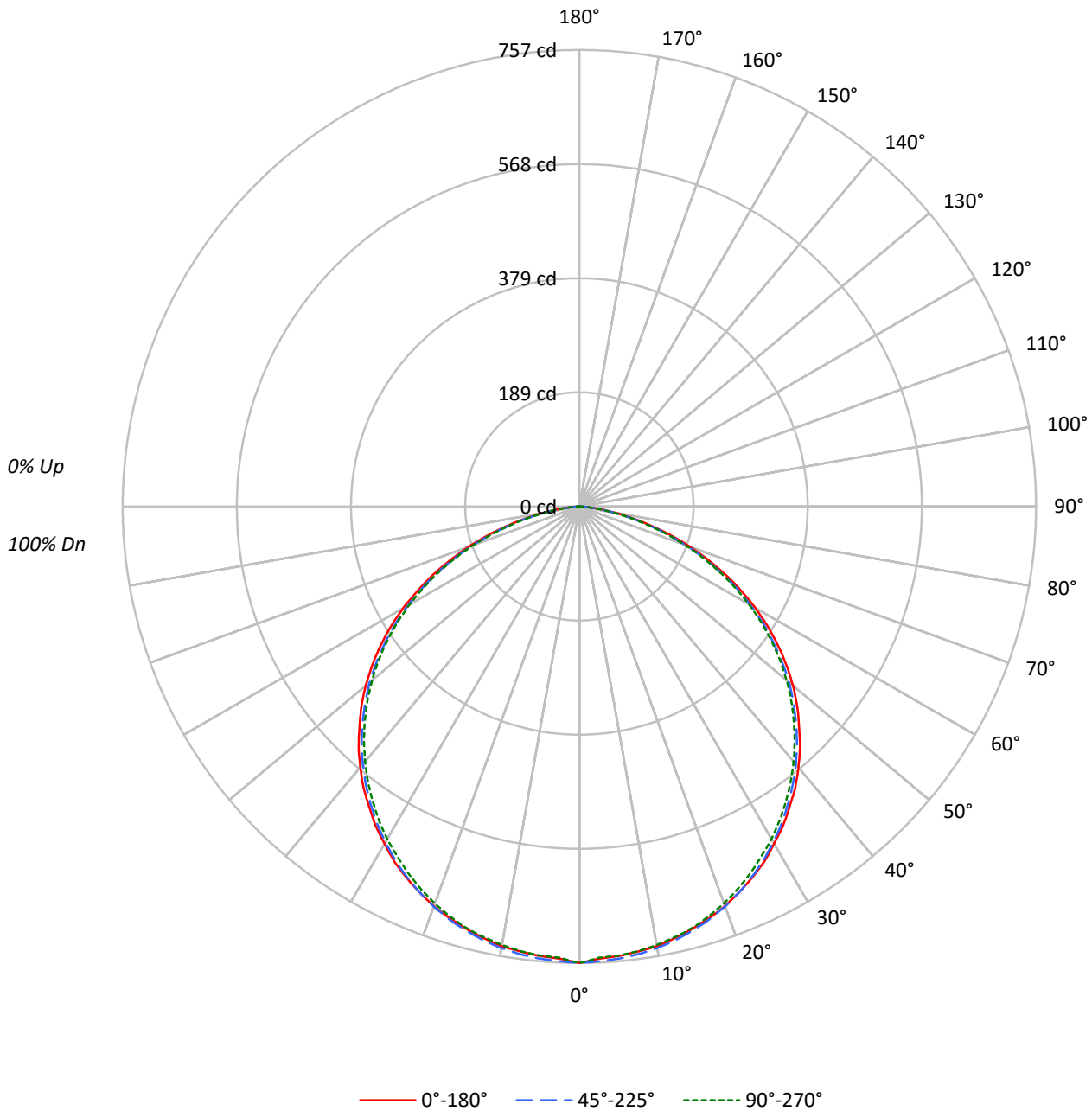
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 88.7 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										
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°	2037	2037	2037
5°	2021	2033	2019
10°	2023	2032	2017
15°	2020	2028	2016
20°	2020	2022	2006
25°	2015	2012	1993
30°	2007	1998	1979
35°	1996	1981	1961
40°	1985	1961	1941
45°	1961	1933	1913
50°	1935	1900	1877
55°	1886	1842	1825
60°	1813	1763	1747
65°	1698	1648	1630
70°	1531	1470	1457
75°	1284	1219	1205
80°	933	869	845
85°	494	435	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.4
10°-20°	205.9	9.7
20°-30°	312.9	14.8
30°-40°	378.5	17.9
40°-50°	393.3	18.6
50°-60°	352.2	16.6
60°-70°	256.9	12.1
70°-80°	126.5	6.0
80°-90°	21.2	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°	590.5	27.9
0°-40°	969.0	45.7
0°-60°	1714.5	80.9
0°-90°	2119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	748	756	753	760	747	71
15°	725	732	728	734	724	205
25°	679	682	678	681	671	313
35°	608	609	603	605	597	381
45°	515	514	508	509	503	398
55°	402	399	393	392	389	359
65°	267	264	259	257	256	263
75°	124	121	117	116	116	132
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°	757.1	757.1	757.1	757.1	757.1
2.5°	750.5	759.0	754.9	762.4	748.9
5°	748.3	756.5	752.7	759.9	747.4
7.5°	744.6	753.0	748.9	755.8	743.9
10°	740.5	748.0	743.6	750.5	738.3
12.5°	733.3	740.8	736.7	743.0	731.7
15°	725.1	731.7	727.9	734.2	723.6
17.5°	715.7	722.0	717.9	723.6	712.9
20°	705.4	710.4	706.0	710.7	700.4
22.5°	692.5	697.2	692.5	695.7	686.6
25°	678.7	682.2	677.5	680.6	671.2
27.5°	664.0	665.9	661.2	663.7	654.0
30°	645.8	648.0	643.0	646.2	636.8
32.5°	628.3	629.5	623.9	626.4	618.0
35°	607.6	608.9	602.9	605.4	597.0
37.5°	587.9	587.6	581.3	582.9	575.6
40°	565.0	564.7	558.1	559.4	552.5
42.5°	541.5	540.2	534.0	534.6	528.3
45°	515.2	514.5	508.0	508.9	502.6
47.5°	489.8	487.9	481.3	481.6	476.3
50°	462.2	459.4	453.8	453.1	448.4
52.5°	432.8	429.6	423.4	422.7	419.3
55°	402.0	398.6	392.6	391.7	388.9
57.5°	370.4	366.0	361.3	359.4	357.2
60°	336.9	332.8	327.5	325.6	324.6
62.5°	302.1	298.0	293.9	292.1	290.8
65°	266.7	263.5	258.8	257.0	256.0
67.5°	230.6	227.8	223.4	221.2	220.9
70°	194.6	191.8	186.8	185.5	185.2
72.5°	158.6	156.1	151.4	150.1	150.1
75°	123.5	121.3	117.2	115.9	115.9
77.5°	90.2	88.4	85.2	83.7	83.7
80°	60.2	58.9	56.1	54.8	54.5
82.5°	34.8	34.2	31.6	30.4	31.0
85°	16.0	15.4	14.1	12.5	12.8
87.5°	4.1	3.8	2.8	2.2	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)