

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: P974258

Luminaire Tested: FLR2-24-30-L935-CP375

Issue Date: 3/13/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P974258  
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-L935-CP375  
Description: SHAPER SENSE CIRCLE  
  
Light Source: FLR2-24-30-L935-CP375  
Ballast/Driver: -

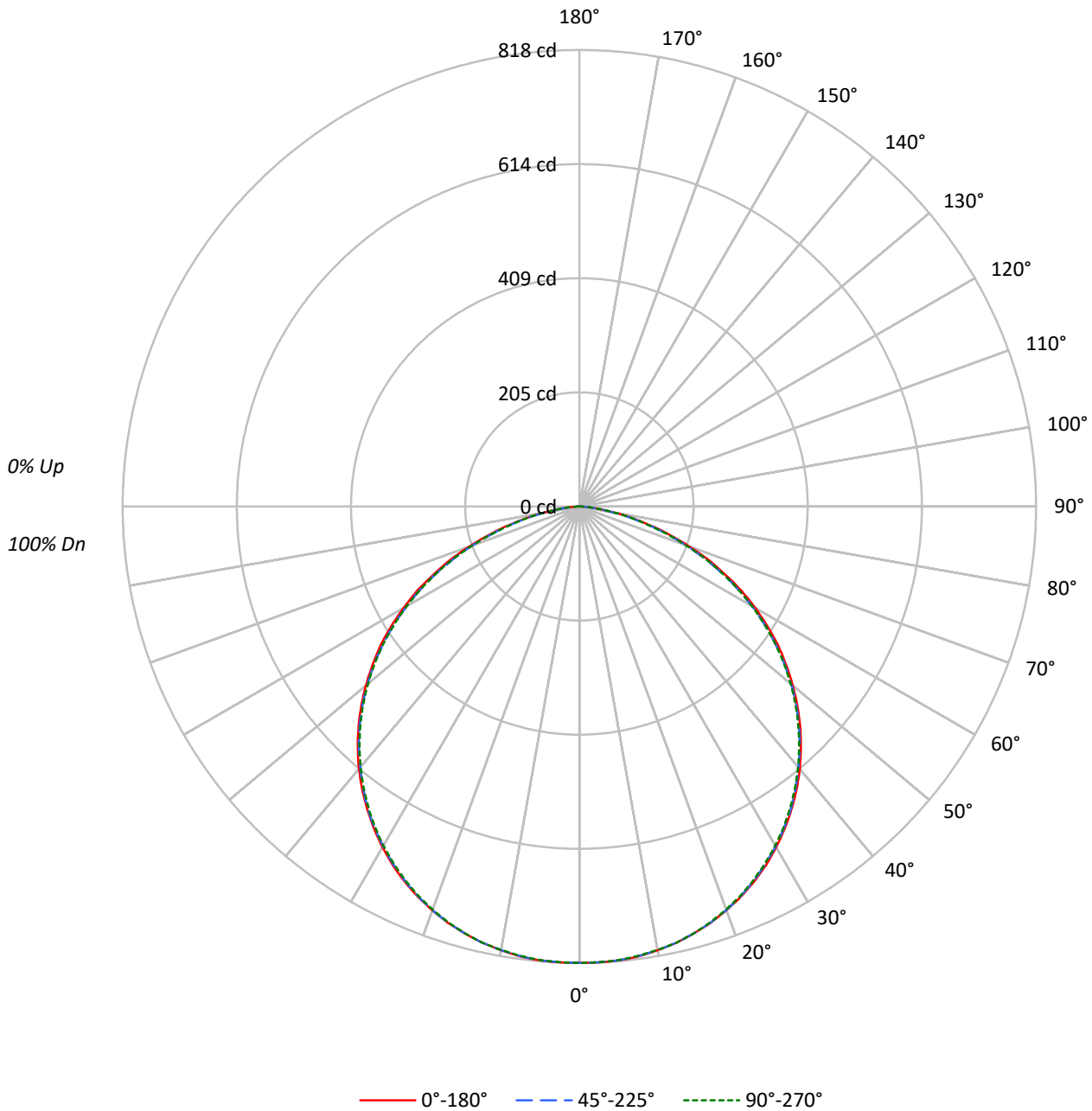
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2311.5 lumens  
Efficiency: N/A  
Efficacy: 97.5 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				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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	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	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
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	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25

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

	0°	45°	90°
0°	1100	1100	1100
5°	1103	1103	1102
10°	1103	1103	1103
15°	1104	1103	1103
20°	1103	1102	1101
25°	1101	1098	1097
30°	1096	1092	1090
35°	1088	1086	1082
40°	1079	1072	1071
45°	1065	1059	1055
50°	1045	1037	1034
55°	1020	1006	1004
60°	978	960	960
65°	915	893	896
70°	823	798	795
75°	691	664	661
80°	504	480	501
85°	286	262	267

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.6	3.4
10°-20°	223.6	9.7
20°-30°	341.0	14.8
30°-40°	413.1	17.9
40°-50°	429.1	18.6
50°-60°	383.9	16.6
60°-70°	279.8	12.1
70°-80°	138.6	6.0
80°-90°	24.8	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°	642.3	27.8
0°-40°	1055.4	45.7
0°-60°	1868.4	80.8
0°-90°	2311.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2311.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	816	817	816	816	816	78
15°	792	792	792	793	792	224
25°	741	740	740	740	739	342
35°	663	662	661	660	658	414
45°	560	558	556	555	555	431
55°	435	432	429	429	428	387
65°	287	285	280	282	281	285
75°	133	131	128	130	127	142
85°	18	17	17	17	17	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	817.9	817.9	817.9	817.9	817.9
2.5°	817.9	817.6	817.6	817.9	817.3
5°	816.4	816.7	816.4	816.4	815.8
7.5°	813.2	812.9	812.6	812.9	812.0
10°	807.6	807.6	807.3	807.6	807.0
12.5°	800.9	800.9	800.9	801.1	800.9
15°	792.3	792.0	792.0	792.6	792.0
17.5°	782.4	782.1	782.1	781.8	781.2
20°	770.0	770.0	769.7	769.4	768.6
22.5°	756.8	756.5	755.7	755.7	754.5
25°	741.3	740.4	739.8	739.5	738.6
27.5°	724.3	723.1	722.2	721.6	720.7
30°	705.2	704.0	703.1	702.2	701.7
32.5°	684.6	684.1	682.6	682.3	681.1
35°	662.6	661.8	660.9	659.7	658.5
37.5°	639.2	638.3	636.2	635.6	634.8
40°	614.2	613.0	610.4	610.4	609.5
42.5°	587.5	586.3	584.6	583.4	582.8
45°	559.6	558.5	556.4	555.2	554.6
47.5°	530.0	529.1	526.8	525.9	525.0
50°	499.2	498.0	495.4	494.8	493.9
52.5°	466.9	466.3	462.8	462.5	461.6
55°	434.9	431.7	428.7	428.7	428.2
57.5°	399.7	397.3	393.5	393.5	392.9
60°	363.3	361.2	356.8	357.4	356.8
62.5°	327.8	323.4	319.3	321.0	319.6
65°	287.3	284.9	280.5	281.7	281.4
67.5°	250.3	245.9	241.8	244.2	243.0
70°	209.2	206.9	202.8	205.1	202.2
72.5°	170.5	168.4	164.3	167.0	164.0
75°	132.9	130.9	127.7	130.0	127.1
77.5°	97.4	96.0	93.0	95.4	96.0
80°	65.1	63.4	61.9	64.0	64.6
82.5°	38.1	37.0	36.4	36.7	38.1
85°	18.5	17.0	17.0	17.3	17.3
87.5°	5.0	4.4	5.0	5.3	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)