

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: P973599

Luminaire Tested: FLR2-22-35-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-22-35-L935-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

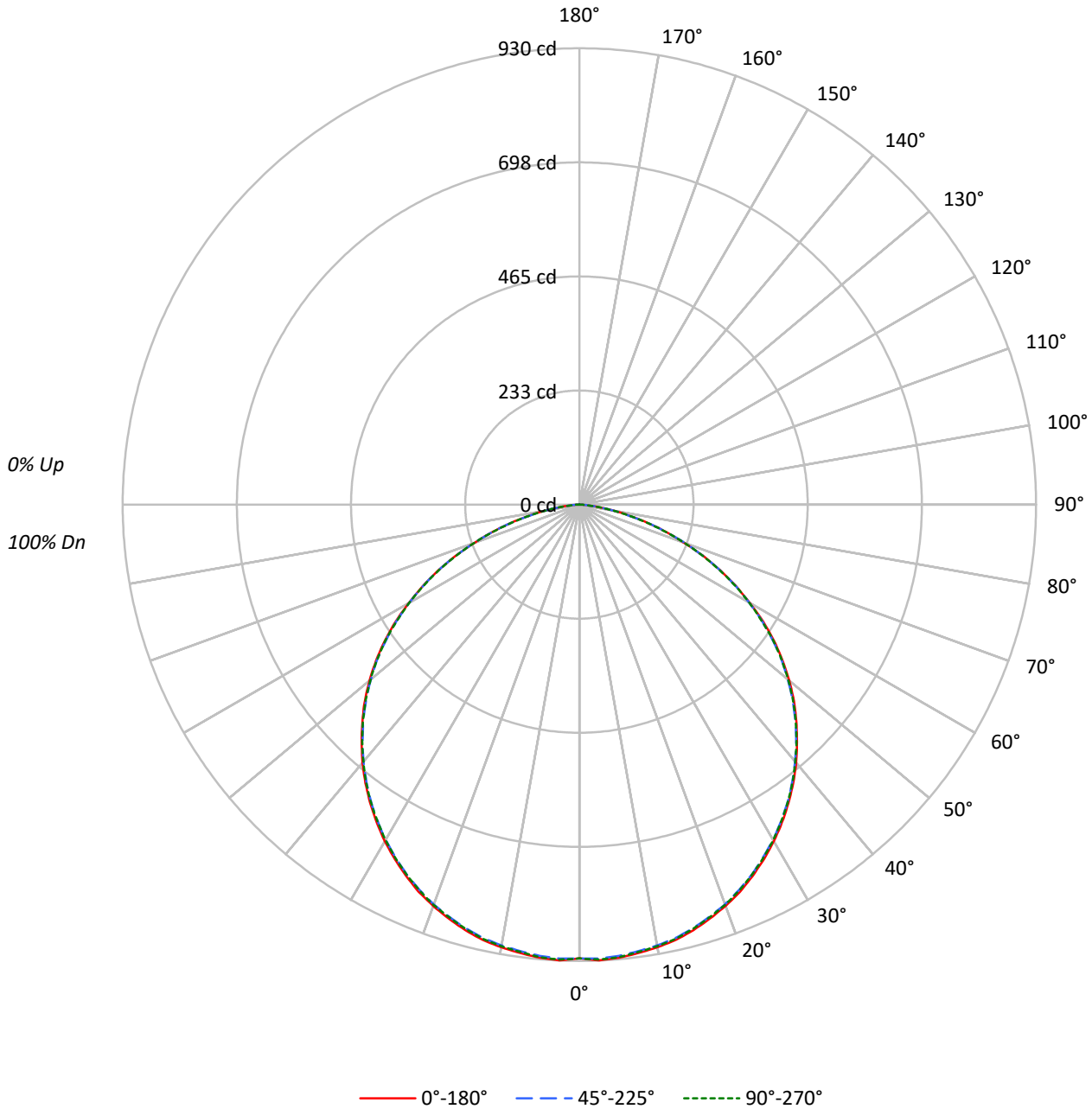
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2585.8 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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									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	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	63	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	71	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	50	42	37	48	41	36	47	41	36	34			34																
8	61	47	39	33	59	47	39	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	40	32	27	39	32	27	38	31	27	37	31	26	25			25																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2488	2488	2488
5°	2504	2493	2501
10°	2503	2492	2497
15°	2501	2490	2493
20°	2493	2483	2486
25°	2479	2469	2471
30°	2462	2451	2453
35°	2439	2430	2432
40°	2414	2401	2403
45°	2378	2367	2371
50°	2336	2319	2324
55°	2270	2251	2259
60°	2158	2148	2148
65°	2015	2011	2004
70°	1784	1793	1788
75°	1502	1491	1478
80°	1080	1062	1054
85°	565	565	546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	3.4
10°-20°	251.8	9.7
20°-30°	382.6	14.8
30°-40°	462.5	17.9
40°-50°	480.1	18.6
50°-60°	429.2	16.6
60°-70°	312.0	12.1
70°-80°	153.4	5.9
80°-90°	26.6	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°	722.0	27.9
0°-40°	1184.5	45.8
0°-60°	2093.7	81.0
0°-90°	2585.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2585.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	927	916	923	920	926	88
15°	898	888	894	892	895	253
25°	835	826	832	830	832	385
35°	742	737	740	740	740	465
45°	625	622	622	623	623	482
55°	484	481	480	481	482	431
65°	316	318	316	316	315	312
75°	144	146	143	144	142	153
85°	18	19	18	18	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.7	924.7	924.7	924.7	924.7
2.5°	929.8	919.0	925.8	921.8	928.1
5°	926.9	916.1	923.0	919.5	925.8
7.5°	921.8	911.0	917.8	914.4	919.5
10°	916.1	904.7	912.1	908.7	913.8
12.5°	908.7	897.8	904.7	901.8	906.4
15°	897.8	887.5	893.8	891.5	895.0
17.5°	884.7	874.4	880.7	879.0	881.8
20°	870.4	860.7	867.0	865.3	868.1
22.5°	854.4	844.1	849.8	848.7	851.0
25°	835.0	825.9	831.6	829.9	832.1
27.5°	814.4	805.9	810.4	810.4	811.6
30°	792.2	784.2	788.7	788.7	789.3
32.5°	768.2	761.9	764.7	765.3	765.3
35°	742.5	737.3	739.6	740.2	740.2
37.5°	715.6	710.5	712.2	713.3	713.3
40°	687.1	682.5	683.6	684.8	684.2
42.5°	656.2	652.8	653.4	654.5	654.5
45°	624.8	622.0	622.0	623.1	623.1
47.5°	592.8	590.0	588.8	590.0	590.0
50°	558.0	555.1	554.0	555.1	555.1
52.5°	521.4	518.6	518.6	518.6	519.2
55°	483.8	480.9	479.8	480.9	481.5
57.5°	443.8	442.6	440.9	441.5	439.8
60°	400.9	400.9	399.2	400.4	399.2
62.5°	359.2	360.4	358.7	358.7	357.5
65°	316.4	317.6	315.8	315.8	314.7
67.5°	272.4	274.1	271.9	271.9	270.7
70°	226.7	230.2	227.9	228.5	227.3
72.5°	185.6	187.3	185.0	185.0	183.9
75°	144.5	145.6	143.4	143.9	142.2
77.5°	103.9	105.7	103.4	103.9	103.4
80°	69.7	70.2	68.5	69.1	68.0
82.5°	40.6	41.1	40.6	40.0	39.4
85°	18.3	18.8	18.3	18.3	17.7
87.5°	4.6	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)