

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: P973699

Luminaire Tested: FLR2-22-35-L950-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973699
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-L950-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

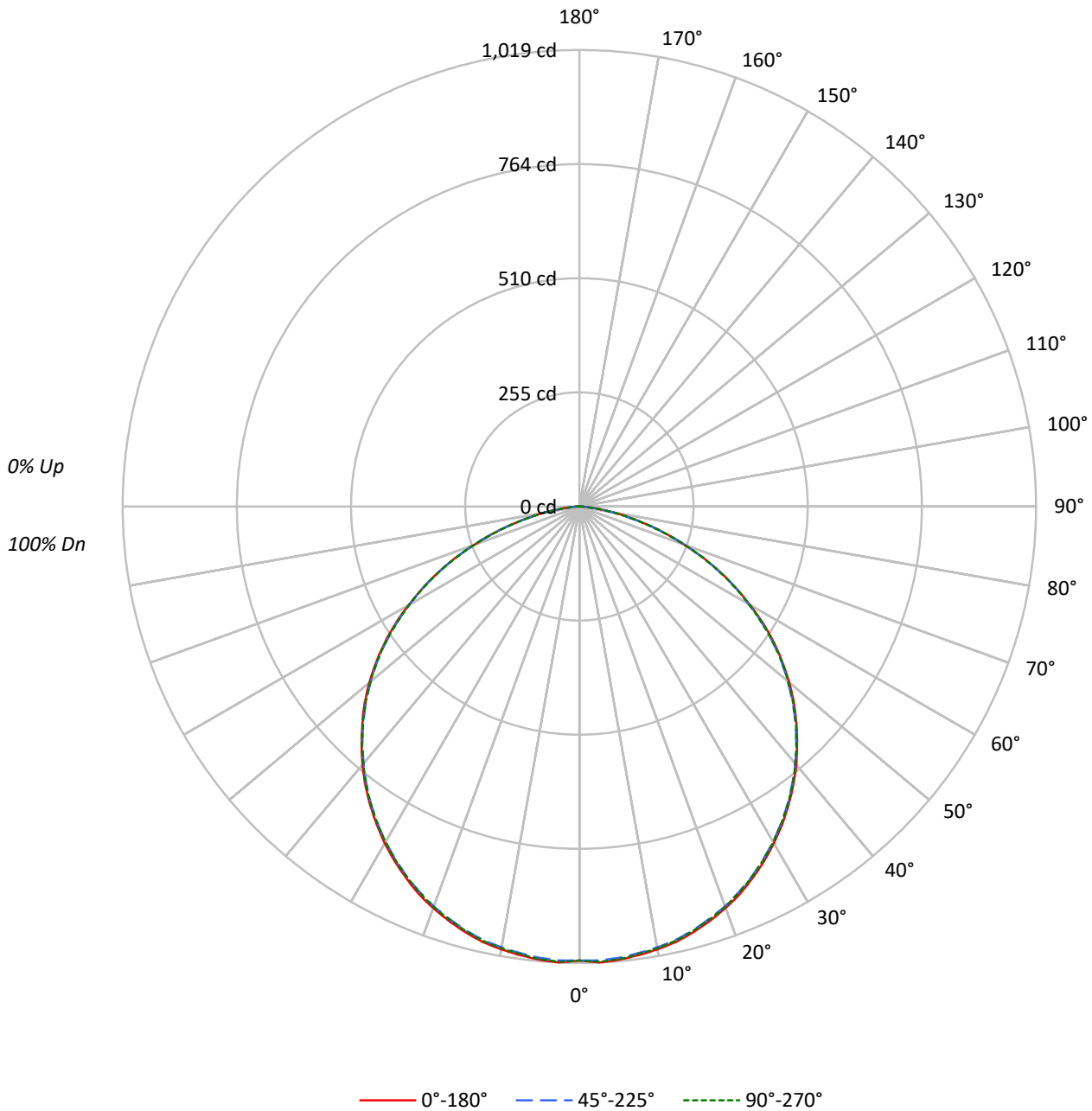
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2834.0 lumens
Efficiency: N/A
Efficacy: 101.6 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									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	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°	2727	2727	2727
5°	2744	2732	2741
10°	2743	2731	2737
15°	2741	2729	2733
20°	2732	2721	2725
25°	2717	2706	2708
30°	2698	2686	2688
35°	2673	2663	2665
40°	2645	2632	2634
45°	2606	2594	2599
50°	2560	2542	2547
55°	2487	2467	2476
60°	2365	2355	2355
65°	2208	2204	2196
70°	1955	1965	1960
75°	1647	1633	1621
80°	1184	1164	1155
85°	618	618	599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.4
10°-20°	276.0	9.7
20°-30°	419.4	14.8
30°-40°	506.9	17.9
40°-50°	526.1	18.6
50°-60°	470.4	16.6
60°-70°	342.0	12.1
70°-80°	168.2	5.9
80°-90°	29.2	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°	791.3	27.9
0°-40°	1298.2	45.8
0°-60°	2294.7	81.0
0°-90°	2834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1016	1004	1012	1008	1015	97
15°	984	973	980	977	981	278
25°	915	905	911	910	912	422
35°	814	808	811	811	811	509
45°	685	682	682	683	683	528
55°	530	527	526	527	528	473
65°	347	348	346	346	345	342
75°	158	160	157	158	156	168
85°	20	21	20	20	19	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1019.0	1007.2	1014.7	1010.3	1017.2
5°	1015.9	1004.0	1011.5	1007.8	1014.7
7.5°	1010.3	998.4	1005.9	1002.1	1007.8
10°	1004.0	991.5	999.6	995.9	1001.5
12.5°	995.9	984.0	991.5	988.4	993.4
15°	984.0	972.7	979.6	977.1	980.9
17.5°	969.6	958.3	965.2	963.3	966.5
20°	953.9	943.3	950.2	948.3	951.4
22.5°	936.4	925.2	931.4	930.2	932.7
25°	915.1	905.1	911.4	909.5	912.0
27.5°	892.6	883.2	888.2	888.2	889.5
30°	868.2	859.4	864.4	864.4	865.1
32.5°	841.9	835.0	838.1	838.8	838.8
35°	813.7	808.1	810.6	811.2	811.2
37.5°	784.3	778.7	780.6	781.8	781.8
40°	753.0	748.0	749.3	750.5	749.9
42.5°	719.2	715.5	716.1	717.3	717.3
45°	684.8	681.7	681.7	682.9	682.9
47.5°	649.7	646.6	645.4	646.6	646.6
50°	611.6	608.4	607.2	608.4	608.4
52.5°	571.5	568.4	568.4	568.4	569.0
55°	530.2	527.0	525.8	527.0	527.7
57.5°	486.4	485.1	483.2	483.9	482.0
60°	439.4	439.4	437.5	438.8	437.5
62.5°	393.7	395.0	393.1	393.1	391.8
65°	346.8	348.0	346.1	346.1	344.9
67.5°	298.6	300.5	298.0	298.0	296.7
70°	248.5	252.3	249.8	250.4	249.1
72.5°	203.4	205.3	202.8	202.8	201.6
75°	158.4	159.6	157.1	157.7	155.9
77.5°	113.9	115.8	113.3	113.9	113.3
80°	76.4	77.0	75.1	75.7	74.5
82.5°	44.4	45.1	44.4	43.8	43.2
85°	20.0	20.7	20.0	20.0	19.4
87.5°	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)