

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: P974053

Luminaire Tested: FLR2-22-35HE-L950-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P974053
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: FLR2-22-35HE-L950-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

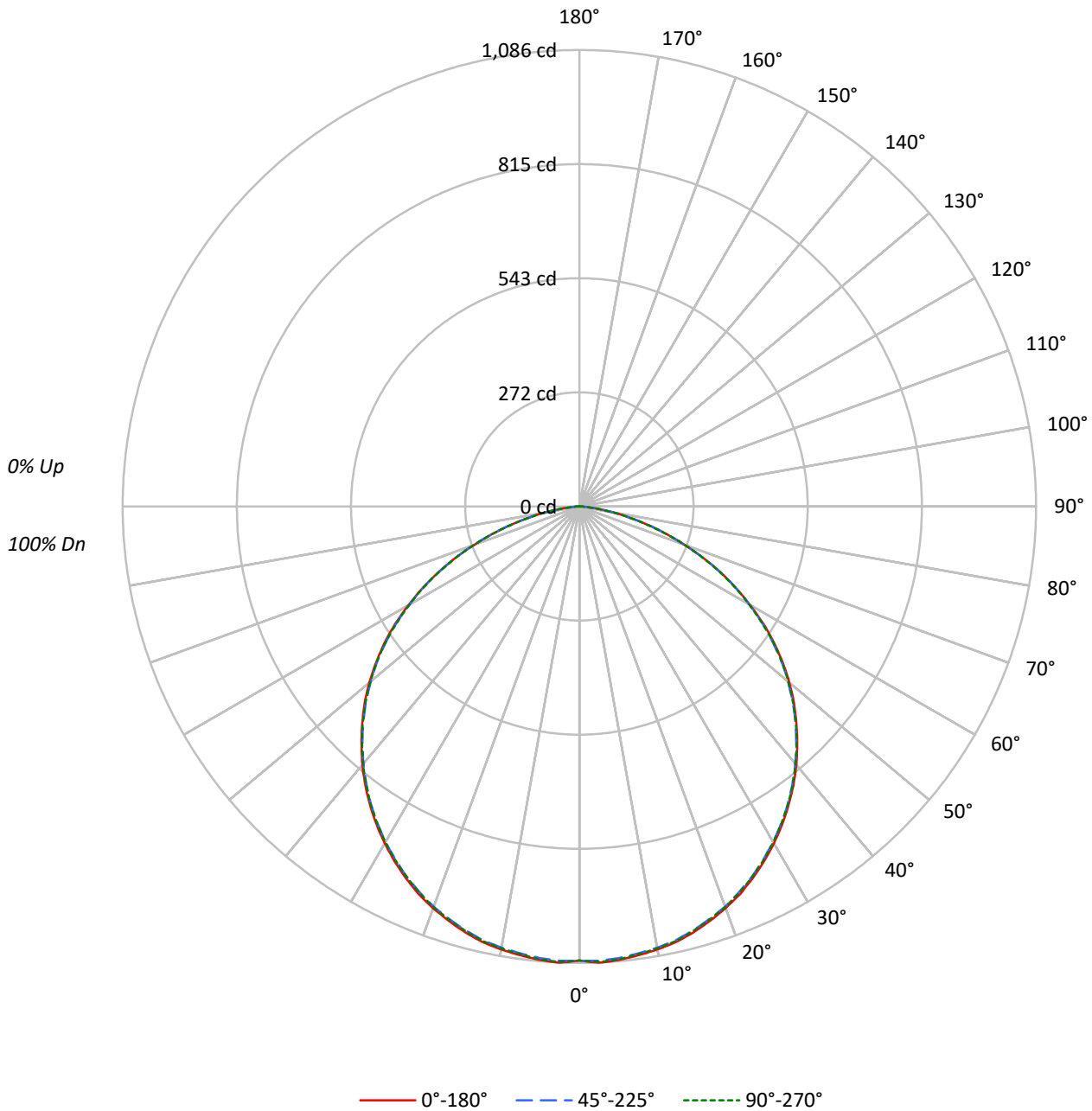
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3021.6 lumens
Efficiency: N/A
Efficacy: 111.1 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): 27.2
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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	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	63	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	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	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2908	2908	2908
5°	2926	2913	2922
10°	2925	2912	2918
15°	2923	2910	2914
20°	2913	2901	2905
25°	2897	2885	2887
30°	2876	2864	2866
35°	2850	2839	2841
40°	2820	2806	2809
45°	2778	2766	2771
50°	2730	2710	2716
55°	2652	2630	2639
60°	2521	2511	2511
65°	2354	2350	2341
70°	2084	2095	2090
75°	1755	1742	1728
80°	1261	1241	1230
85°	661	661	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2778 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	3.4
10°-20°	294.2	9.7
20°-30°	447.1	14.8
30°-40°	540.4	17.9
40°-50°	560.9	18.6
50°-60°	501.5	16.6
60°-70°	364.6	12.1
70°-80°	179.3	5.9
80°-90°	31.1	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°	843.7	27.9
0°-40°	1384.1	45.8
0°-60°	2446.5	81.0
0°-90°	3021.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1083	1070	1078	1074	1082	103
15°	1049	1037	1044	1042	1046	296
25°	976	965	972	970	972	450
35°	868	862	864	865	865	543
45°	730	727	727	728	728	563
55°	565	562	561	562	563	504
65°	370	371	369	369	368	365
75°	169	170	168	168	166	179
85°	21	22	21	21	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1086.5	1073.8	1081.8	1077.1	1084.5
5°	1083.1	1070.4	1078.5	1074.5	1081.8
7.5°	1077.1	1064.4	1072.4	1068.4	1074.5
10°	1070.4	1057.1	1065.8	1061.8	1067.8
12.5°	1061.8	1049.1	1057.1	1053.8	1059.1
15°	1049.1	1037.1	1044.4	1041.8	1045.8
17.5°	1033.7	1021.7	1029.1	1027.1	1030.4
20°	1017.1	1005.7	1013.1	1011.1	1014.4
22.5°	998.4	986.4	993.0	991.7	994.4
25°	975.7	965.0	971.7	969.7	972.3
27.5°	951.7	941.6	947.0	947.0	948.3
30°	925.6	916.3	921.6	921.6	922.3
32.5°	897.6	890.3	893.6	894.3	894.3
35°	867.6	861.6	864.2	864.9	864.9
37.5°	836.2	830.2	832.2	833.5	833.5
40°	802.8	797.5	798.8	800.2	799.5
42.5°	766.8	762.8	763.5	764.8	764.8
45°	730.1	726.8	726.8	728.1	728.1
47.5°	692.7	689.4	688.0	689.4	689.4
50°	652.0	648.7	647.3	648.7	648.7
52.5°	609.3	606.0	606.0	606.0	606.6
55°	565.3	561.9	560.6	561.9	562.6
57.5°	518.5	517.2	515.2	515.9	513.9
60°	468.5	468.5	466.5	467.8	466.5
62.5°	419.8	421.1	419.1	419.1	417.8
65°	369.7	371.1	369.1	369.1	367.7
67.5°	318.3	320.3	317.7	317.7	316.3
70°	264.9	268.9	266.3	266.9	265.6
72.5°	216.9	218.9	216.2	216.2	214.9
75°	168.8	170.2	167.5	168.2	166.2
77.5°	121.5	123.5	120.8	121.5	120.8
80°	81.4	82.1	80.1	80.8	79.4
82.5°	47.4	48.1	47.4	46.7	46.0
85°	21.4	22.0	21.4	21.4	20.7
87.5°	5.3	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)