

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: P973884

Luminaire Tested: FLR2-22-25HE-L935-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973884
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: FLR2-22-25HE-L935-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

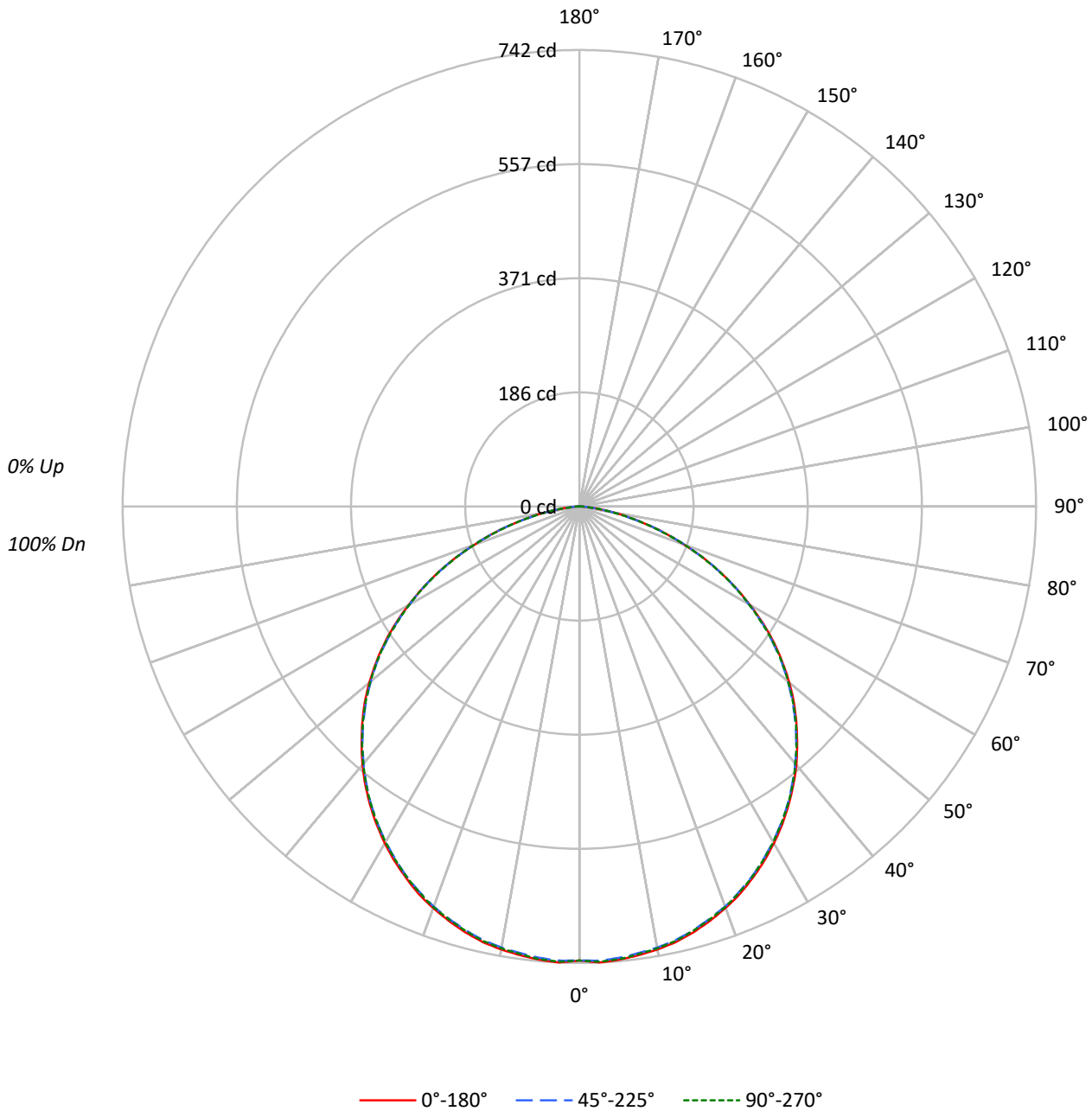
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2063.9 lumens
Efficiency: N/A
Efficacy: 107.5 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): 19.2
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										
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°	1986	1986	1986
5°	1998	1990	1996
10°	1998	1989	1993
15°	1996	1987	1990
20°	1989	1982	1984
25°	1979	1971	1972
30°	1965	1956	1958
35°	1947	1939	1941
40°	1926	1917	1918
45°	1898	1889	1893
50°	1865	1851	1855
55°	1811	1796	1803
60°	1722	1715	1715
65°	1608	1605	1599
70°	1424	1431	1427
75°	1199	1189	1180
80°	862	848	840
85°	451	451	435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.4
10°-20°	201.0	9.7
20°-30°	305.4	14.8
30°-40°	369.1	17.9
40°-50°	383.2	18.6
50°-60°	342.5	16.6
60°-70°	249.1	12.1
70°-80°	122.5	5.9
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°	576.3	27.9
0°-40°	945.4	45.8
0°-60°	1671.1	81.0
0°-90°	2063.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	740	731	737	734	739	70
15°	717	708	713	712	714	202
25°	666	659	664	662	664	307
35°	593	588	590	591	591	371
45°	499	496	496	497	497	385
55°	386	384	383	384	384	344
65°	252	253	252	252	251	249
75°	115	116	114	115	114	122
85°	15	15	15	15	14	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.0	738.0	738.0	738.0	738.0
2.5°	742.1	733.5	738.9	735.7	740.7
5°	739.8	731.2	736.6	733.9	738.9
7.5°	735.7	727.1	732.5	729.8	733.9
10°	731.2	722.1	728.0	725.2	729.3
12.5°	725.2	716.6	722.1	719.8	723.4
15°	716.6	708.4	713.4	711.6	714.3
17.5°	706.1	697.9	702.9	701.5	703.8
20°	694.7	687.0	692.0	690.6	692.9
22.5°	681.9	673.7	678.3	677.4	679.2
25°	666.4	659.1	663.7	662.3	664.2
27.5°	650.0	643.2	646.8	646.8	647.8
30°	632.3	625.9	629.5	629.5	630.0
32.5°	613.1	608.1	610.4	610.8	610.8
35°	592.6	588.5	590.3	590.8	590.8
37.5°	571.2	567.1	568.4	569.3	569.3
40°	548.4	544.7	545.6	546.6	546.1
42.5°	523.8	521.0	521.5	522.4	522.4
45°	498.7	496.4	496.4	497.3	497.3
47.5°	473.2	470.9	470.0	470.9	470.9
50°	445.4	443.1	442.2	443.1	443.1
52.5°	416.2	413.9	413.9	413.9	414.4
55°	386.1	383.8	382.9	383.8	384.3
57.5°	354.2	353.3	351.9	352.4	351.0
60°	320.0	320.0	318.6	319.5	318.6
62.5°	286.7	287.6	286.3	286.3	285.4
65°	252.5	253.4	252.1	252.1	251.2
67.5°	217.4	218.8	217.0	217.0	216.1
70°	181.0	183.7	181.9	182.3	181.4
72.5°	148.1	149.5	147.7	147.7	146.8
75°	115.3	116.2	114.4	114.9	113.5
77.5°	83.0	84.3	82.5	83.0	82.5
80°	55.6	56.1	54.7	55.2	54.2
82.5°	32.4	32.8	32.4	31.9	31.5
85°	14.6	15.0	14.6	14.6	14.1
87.5°	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)