

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: P973872

Luminaire Tested: FLR2-22-25HE-L935-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973872
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-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

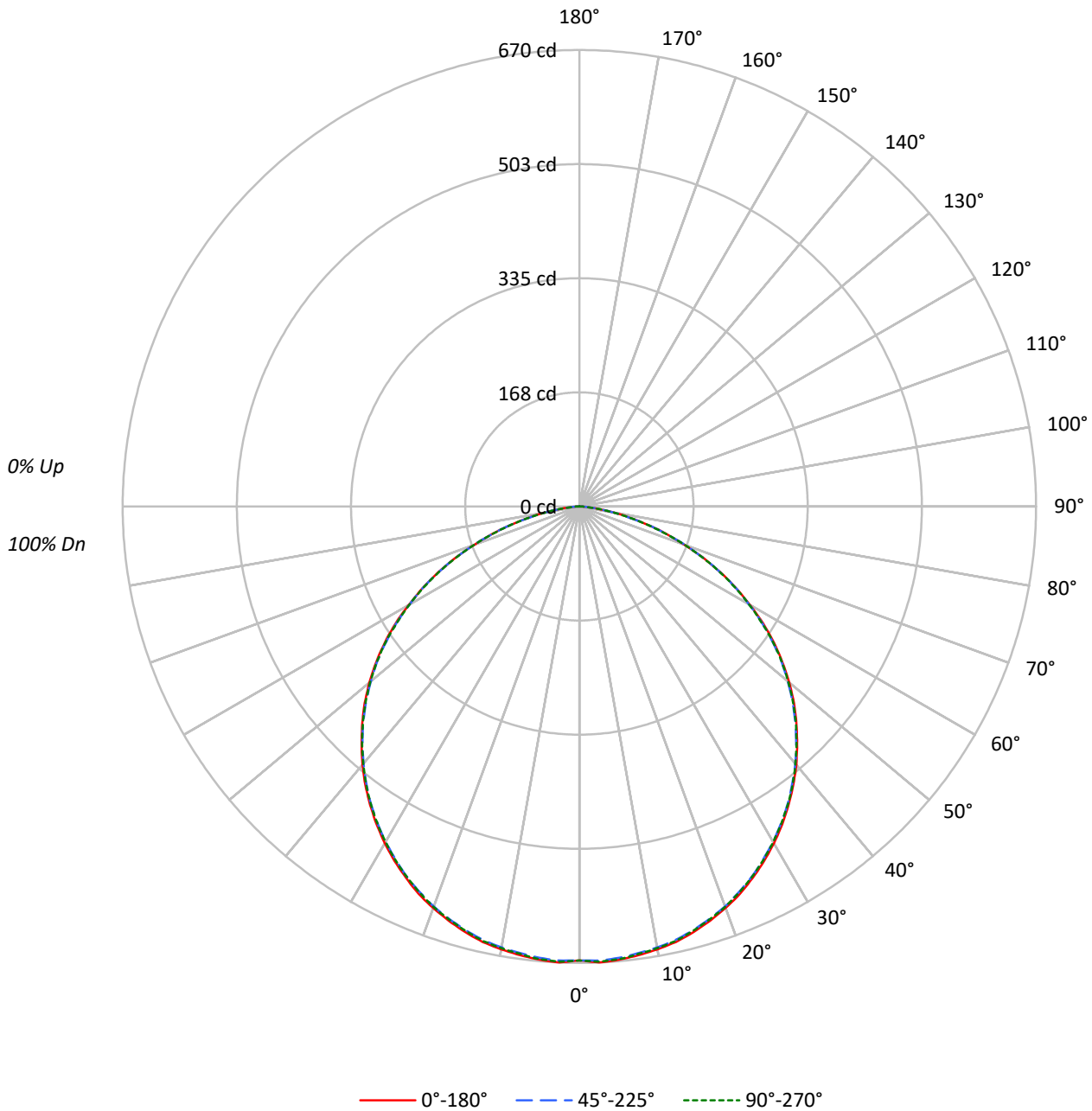
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.4 lumens
Efficiency: N/A
Efficacy: 97.1 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): 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				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°	1793	1793	1793
5°	1804	1797	1802
10°	1804	1796	1799
15°	1802	1794	1797
20°	1796	1789	1792
25°	1787	1779	1781
30°	1774	1766	1767
35°	1758	1751	1752
40°	1739	1731	1732
45°	1714	1706	1709
50°	1683	1671	1675
55°	1635	1622	1628
60°	1555	1548	1548
65°	1452	1449	1444
70°	1286	1292	1289
75°	1082	1074	1066
80°	778	766	759
85°	408	408	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1714 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	3.4
10°-20°	181.5	9.7
20°-30°	275.7	14.8
30°-40°	333.3	17.9
40°-50°	345.9	18.6
50°-60°	309.3	16.6
60°-70°	224.9	12.1
70°-80°	110.6	5.9
80°-90°	19.2	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°	520.3	27.9
0°-40°	853.6	45.8
0°-60°	1508.8	81.0
0°-90°	1863.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	668	660	665	663	667	63
15°	647	640	644	642	645	183
25°	602	595	599	598	600	277
35°	535	531	533	533	533	335
45°	450	448	448	449	449	347
55°	349	346	346	346	347	311
65°	228	229	228	228	227	225
75°	104	105	103	104	102	111
85°	13	14	13	13	13	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	666.3	666.3	666.3	666.3	666.3
2.5°	670.0	662.2	667.2	664.3	668.8
5°	668.0	660.2	665.1	662.6	667.2
7.5°	664.3	656.5	661.4	658.9	662.6
10°	660.2	651.9	657.3	654.8	658.5
12.5°	654.8	647.0	651.9	649.9	653.2
15°	647.0	639.6	644.1	642.5	644.9
17.5°	637.5	630.1	634.7	633.4	635.5
20°	627.2	620.2	624.8	623.5	625.6
22.5°	615.7	608.3	612.4	611.6	613.2
25°	601.7	595.1	599.3	598.0	599.7
27.5°	586.9	580.7	584.0	584.0	584.9
30°	570.9	565.1	568.4	568.4	568.8
32.5°	553.6	549.0	551.1	551.5	551.5
35°	535.0	531.3	533.0	533.4	533.4
37.5°	515.7	512.0	513.2	514.1	514.1
40°	495.1	491.8	492.7	493.5	493.1
42.5°	472.9	470.4	470.8	471.7	471.7
45°	450.3	448.2	448.2	449.0	449.0
47.5°	427.2	425.2	424.3	425.2	425.2
50°	402.1	400.1	399.2	400.1	400.1
52.5°	375.8	373.7	373.7	373.7	374.1
55°	348.6	346.5	345.7	346.5	347.0
57.5°	319.8	319.0	317.7	318.1	316.9
60°	288.9	288.9	287.7	288.5	287.7
62.5°	258.9	259.7	258.5	258.5	257.6
65°	228.0	228.8	227.6	227.6	226.8
67.5°	196.3	197.6	195.9	195.9	195.1
70°	163.4	165.9	164.2	164.6	163.8
72.5°	133.8	135.0	133.4	133.4	132.5
75°	104.1	105.0	103.3	103.7	102.5
77.5°	74.9	76.1	74.5	74.9	74.5
80°	50.2	50.6	49.4	49.8	49.0
82.5°	29.2	29.6	29.2	28.8	28.4
85°	13.2	13.6	13.2	13.2	12.8
87.5°	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)