

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: P973570

Luminaire Tested: FLR2-22-25-L835-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973570
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: FLR2-22-25-L835-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

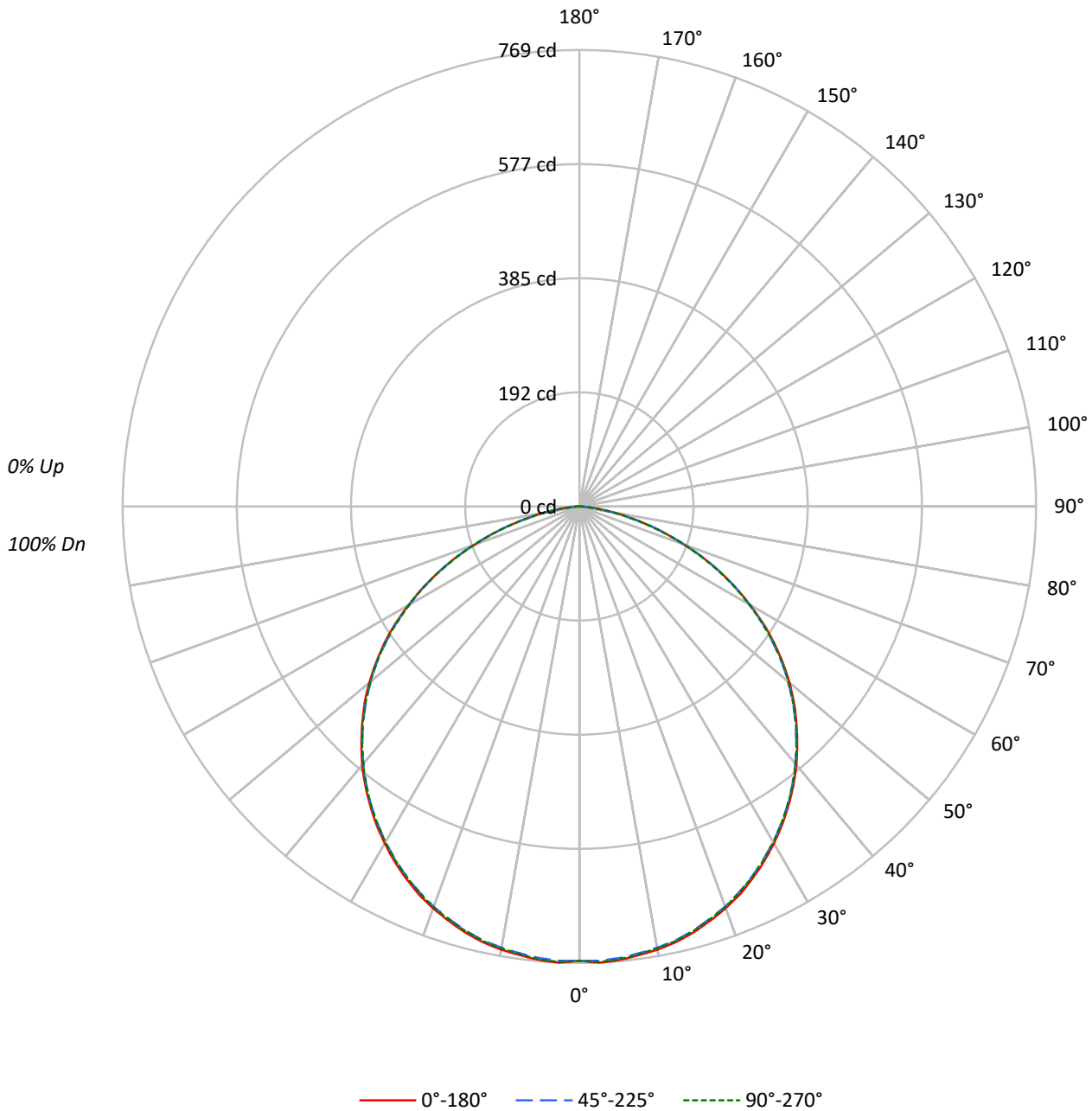
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2139.8 lumens
Efficiency: N/A
Efficacy: 113.2 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): 18.9
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																				
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°	2059	2059	2059
5°	2072	2063	2069
10°	2072	2062	2066
15°	2070	2061	2063
20°	2063	2054	2057
25°	2052	2043	2045
30°	2037	2028	2030
35°	2018	2010	2012
40°	1997	1987	1989
45°	1968	1959	1962
50°	1933	1919	1923
55°	1878	1863	1869
60°	1786	1778	1778
65°	1667	1664	1658
70°	1476	1484	1480
75°	1243	1233	1224
80°	894	879	871
85°	466	466	454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	3.4
10°-20°	208.4	9.7
20°-30°	316.6	14.8
30°-40°	382.7	17.9
40°-50°	397.3	18.6
50°-60°	355.1	16.6
60°-70°	258.2	12.1
70°-80°	127.0	5.9
80°-90°	22.0	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°	597.5	27.9
0°-40°	980.2	45.8
0°-60°	1732.6	81.0
0°-90°	2139.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	767	758	764	761	766	73
15°	743	734	740	738	741	210
25°	691	683	688	687	689	318
35°	614	610	612	612	612	384
45°	517	515	515	516	516	399
55°	400	398	397	398	398	357
65°	262	263	261	261	260	258
75°	120	120	119	119	118	127
85°	15	16	15	15	15	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.2	765.2	765.2	765.2	765.2
2.5°	769.4	760.5	766.1	762.8	768.0
5°	767.1	758.1	763.8	760.9	766.1
7.5°	762.8	753.8	759.5	756.7	760.9
10°	758.1	748.6	754.8	751.9	756.2
12.5°	751.9	743.0	748.6	746.3	750.1
15°	743.0	734.5	739.7	737.8	740.6
17.5°	732.1	723.6	728.8	727.4	729.7
20°	720.3	712.2	717.4	716.0	718.4
22.5°	707.0	698.5	703.3	702.3	704.2
25°	691.0	683.4	688.1	686.7	688.6
27.5°	674.0	666.9	670.7	670.7	671.6
30°	655.5	648.9	652.7	652.7	653.2
32.5°	635.7	630.5	632.8	633.3	633.3
35°	614.4	610.2	612.0	612.5	612.5
37.5°	592.2	587.9	589.4	590.3	590.3
40°	568.6	564.8	565.7	566.7	566.2
42.5°	543.0	540.2	540.7	541.6	541.6
45°	517.0	514.7	514.7	515.6	515.6
47.5°	490.6	488.2	487.3	488.2	488.2
50°	461.8	459.4	458.4	459.4	459.4
52.5°	431.5	429.1	429.1	429.1	429.6
55°	400.3	397.9	397.0	397.9	398.4
57.5°	367.2	366.3	364.9	365.3	363.9
60°	331.8	331.8	330.4	331.3	330.4
62.5°	297.3	298.2	296.8	296.8	295.9
65°	261.8	262.8	261.4	261.4	260.4
67.5°	225.4	226.9	225.0	225.0	224.0
70°	187.6	190.5	188.6	189.0	188.1
72.5°	153.6	155.0	153.1	153.1	152.2
75°	119.6	120.5	118.6	119.1	117.7
77.5°	86.0	87.4	85.5	86.0	85.5
80°	57.7	58.1	56.7	57.2	56.2
82.5°	33.6	34.0	33.6	33.1	32.6
85°	15.1	15.6	15.1	15.1	14.7
87.5°	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)