

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: P973711

Luminaire Tested: FLR2-22-35-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973711
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-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

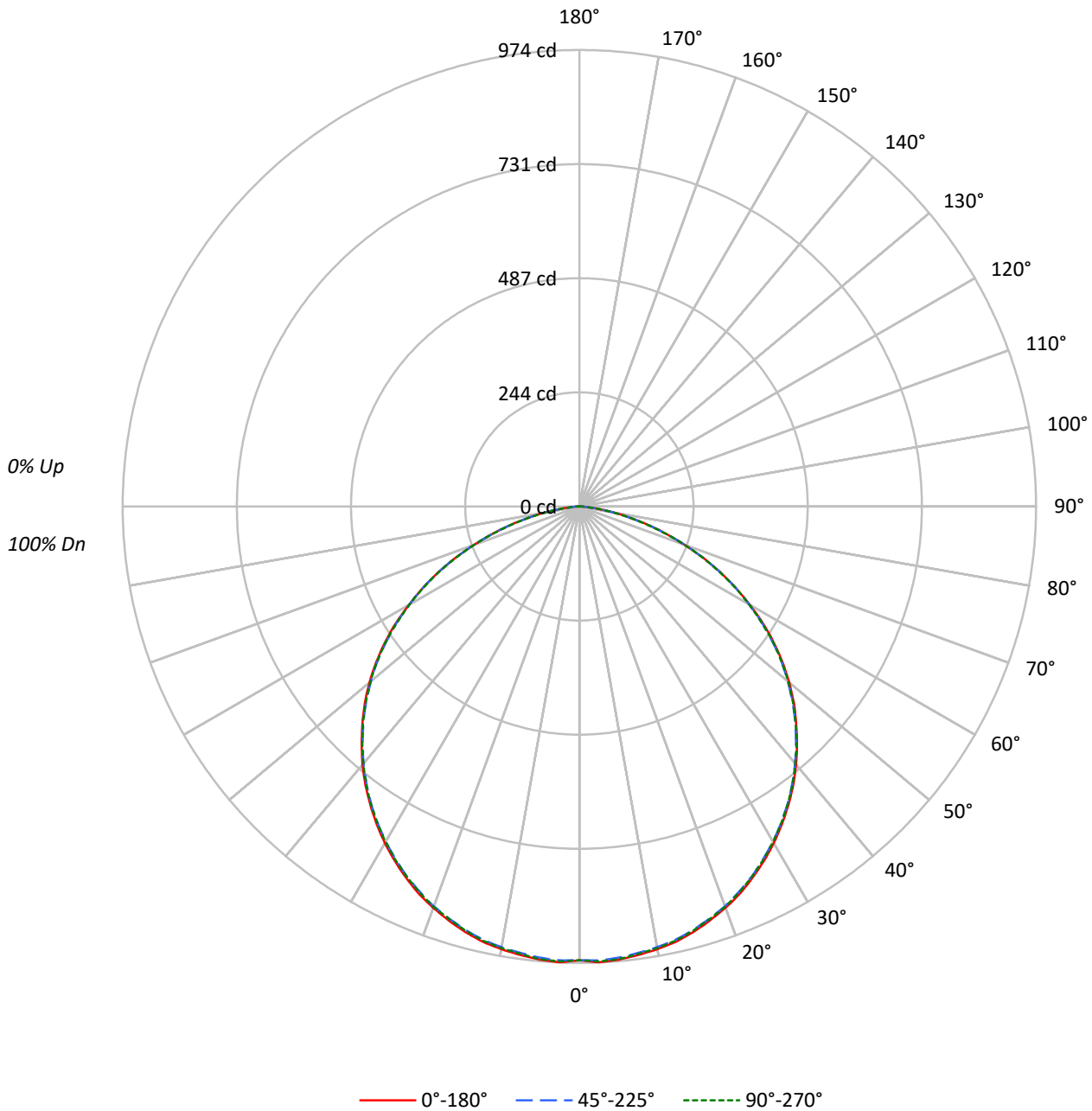
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707.5 lumens
Efficiency: N/A
Efficacy: 97.0 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 (A_{in}): 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°	2605	2605	2605
5°	2622	2610	2619
10°	2621	2610	2614
15°	2619	2607	2611
20°	2610	2600	2603
25°	2596	2585	2587
30°	2577	2566	2568
35°	2554	2544	2546
40°	2527	2514	2517
45°	2490	2478	2483
50°	2446	2429	2434
55°	2376	2357	2365
60°	2259	2250	2250
65°	2110	2106	2098
70°	1868	1877	1873
75°	1573	1561	1548
80°	1131	1113	1103
85°	590	590	571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	3.4
10°-20°	263.6	9.7
20°-30°	400.7	14.8
30°-40°	484.3	17.9
40°-50°	502.6	18.6
50°-60°	449.4	16.6
60°-70°	326.7	12.1
70°-80°	160.7	5.9
80°-90°	27.9	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°	756.0	27.9
0°-40°	1240.2	45.8
0°-60°	2192.3	81.0
0°-90°	2707.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	971	959	966	963	969	92
15°	940	929	936	934	937	265
25°	874	865	871	869	871	403
35°	777	772	774	775	775	486
45°	654	651	651	652	652	505
55°	506	504	502	504	504	451
65°	331	332	331	331	330	327
75°	151	152	150	151	149	161
85°	19	20	19	19	18	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	968.2	968.2	968.2	968.2	968.2
2.5°	973.6	962.2	969.4	965.2	971.8
5°	970.6	959.2	966.4	962.8	969.4
7.5°	965.2	953.8	961.0	957.4	962.8
10°	959.2	947.2	955.0	951.4	956.8
12.5°	951.4	940.1	947.2	944.3	949.0
15°	940.1	929.3	935.9	933.5	937.1
17.5°	926.3	915.6	922.1	920.3	923.3
20°	911.4	901.2	907.8	906.0	909.0
22.5°	894.6	883.9	889.8	888.6	891.0
25°	874.3	864.7	870.7	868.9	871.3
27.5°	852.8	843.8	848.6	848.6	849.8
30°	829.4	821.1	825.9	825.9	826.5
32.5°	804.3	797.7	800.7	801.3	801.3
35°	777.4	772.0	774.4	775.0	775.0
37.5°	749.3	743.9	745.7	746.9	746.9
40°	719.4	714.6	715.8	717.0	716.4
42.5°	687.1	683.5	684.1	685.3	685.3
45°	654.2	651.2	651.2	652.4	652.4
47.5°	620.7	617.7	616.5	617.7	617.7
50°	584.3	581.3	580.1	581.3	581.3
52.5°	546.0	543.0	543.0	543.0	543.6
55°	506.5	503.5	502.3	503.5	504.1
57.5°	464.7	463.5	461.7	462.3	460.5
60°	419.8	419.8	418.0	419.2	418.0
62.5°	376.1	377.3	375.6	375.6	374.4
65°	331.3	332.5	330.7	330.7	329.5
67.5°	285.3	287.0	284.7	284.7	283.5
70°	237.4	241.0	238.6	239.2	238.0
72.5°	194.4	196.1	193.8	193.8	192.6
75°	151.3	152.5	150.1	150.7	148.9
77.5°	108.8	110.6	108.2	108.8	108.2
80°	73.0	73.6	71.8	72.4	71.2
82.5°	42.5	43.1	42.5	41.9	41.3
85°	19.1	19.7	19.1	19.1	18.5
87.5°	4.8	4.8	4.8	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)