

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: P973587

Luminaire Tested: FLR2-22-35-L935-CP125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973587
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-L935-CP125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

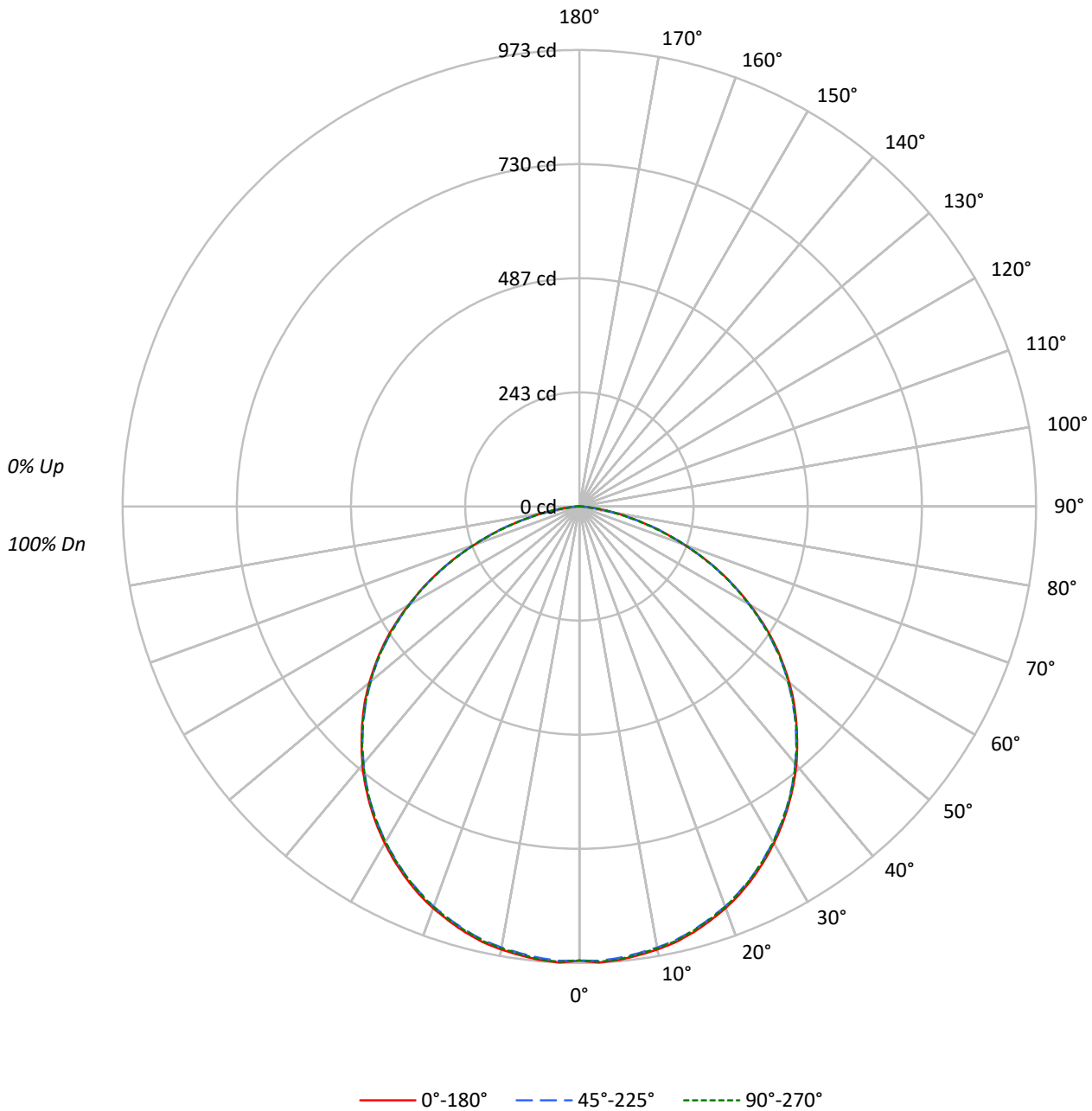
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2706.7 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 (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

TEST NUMBER: P973587
CATALOG NUMBER: FLR2-22-35-L935-CP125

Luminous Intensity Polar Plot





TEST NUMBER: P973587
 CATALOG NUMBER: FLR2-22-35-L935-CP125

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°	2605	2605	2605
5°	2621	2610	2618
10°	2620	2609	2614
15°	2618	2606	2610
20°	2609	2599	2602
25°	2595	2584	2586
30°	2577	2565	2567
35°	2553	2543	2545
40°	2526	2514	2516
45°	2489	2477	2482
50°	2445	2428	2433
55°	2376	2356	2365
60°	2259	2249	2249
65°	2109	2105	2097
70°	1867	1876	1872
75°	1572	1561	1548
80°	1130	1111	1102
85°	590	590	571

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2489 cd/sqm



TEST NUMBER: P973587
 CATALOG NUMBER: FLR2-22-35-L935-CP125

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.4
10°-20°	263.6	9.7
20°-30°	400.5	14.8
30°-40°	484.1	17.9
40°-50°	502.5	18.6
50°-60°	449.2	16.6
60°-70°	326.6	12.1
70°-80°	160.6	5.9
80°-90°	27.8	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°	755.7	27.9
0°-40°	1239.9	45.8
0°-60°	2191.6	81.0
0°-90°	2706.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2706.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	970	959	966	962	969	92
15°	940	929	936	933	937	265
25°	874	864	870	869	871	403
35°	777	772	774	775	775	486
45°	654	651	651	652	652	504
55°	506	503	502	503	504	451
65°	331	332	331	331	329	327
75°	151	152	150	151	149	161
85°	19	20	19	19	18	28
90°	0	0	0	0	0	



TEST NUMBER: P973587
 CATALOG NUMBER: FLR2-22-35-L935-CP125

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.9	967.9	967.9	967.9	967.9
2.5°	973.2	961.9	969.1	964.9	971.5
5°	970.3	958.9	966.1	962.5	969.1
7.5°	964.9	953.5	960.7	957.1	962.5
10°	958.9	946.9	954.7	951.1	956.5
12.5°	951.1	939.8	946.9	944.0	948.7
15°	939.8	929.0	935.6	933.2	936.8
17.5°	926.0	915.3	921.8	920.0	923.0
20°	911.1	900.9	907.5	905.7	908.7
22.5°	894.3	883.6	889.6	888.4	890.7
25°	874.0	864.4	870.4	868.6	871.0
27.5°	852.5	843.5	848.3	848.3	849.5
30°	829.2	820.8	825.6	825.6	826.2
32.5°	804.1	797.5	800.5	801.1	801.1
35°	777.2	771.8	774.2	774.8	774.8
37.5°	749.1	743.7	745.5	746.7	746.7
40°	719.2	714.4	715.6	716.8	716.2
42.5°	686.9	683.3	683.9	685.1	685.1
45°	654.0	651.0	651.0	652.2	652.2
47.5°	620.5	617.5	616.3	617.5	617.5
50°	584.1	581.1	579.9	581.1	581.1
52.5°	545.8	542.8	542.8	542.8	543.4
55°	506.4	503.4	502.2	503.4	504.0
57.5°	464.5	463.3	461.5	462.1	460.3
60°	419.7	419.7	417.9	419.1	417.9
62.5°	376.0	377.2	375.4	375.4	374.2
65°	331.2	332.4	330.6	330.6	329.4
67.5°	285.2	287.0	284.6	284.6	283.4
70°	237.3	240.9	238.5	239.1	237.9
72.5°	194.3	196.1	193.7	193.7	192.5
75°	151.2	152.4	150.1	150.6	148.9
77.5°	108.8	110.6	108.2	108.8	108.2
80°	72.9	73.5	71.7	72.3	71.1
82.5°	42.4	43.0	42.4	41.8	41.2
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)