

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: P973885

Luminaire Tested: FLR2-22-35HE-L935-CA125

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973885
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: FLR2-22-35HE-L935-CA125
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

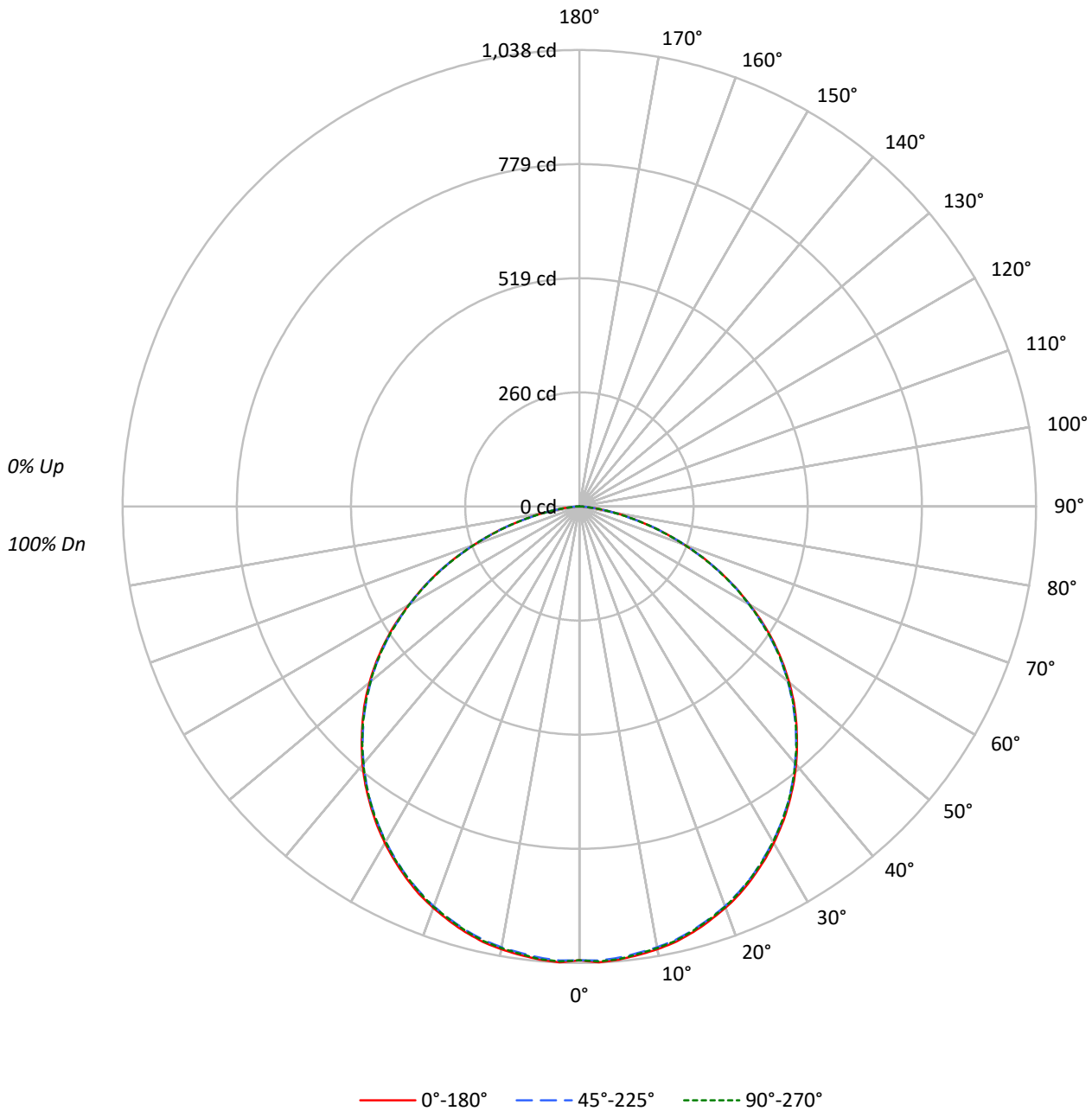
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2885.7 lumens
Efficiency: N/A
Efficacy: 106.1 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): 27.2
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°	2777	2777	2777
5°	2794	2782	2791
10°	2793	2781	2787
15°	2791	2779	2783
20°	2781	2771	2774
25°	2767	2755	2757
30°	2747	2735	2737
35°	2722	2712	2713
40°	2694	2680	2682
45°	2654	2641	2646
50°	2607	2588	2593
55°	2533	2512	2521
60°	2408	2398	2398
65°	2248	2245	2236
70°	1991	2001	1996
75°	1677	1664	1650
80°	1206	1185	1175
85°	630	630	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2654 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	3.4
10°-20°	281.0	9.7
20°-30°	427.0	14.8
30°-40°	516.1	17.9
40°-50°	535.7	18.6
50°-60°	479.0	16.6
60°-70°	348.2	12.1
70°-80°	171.2	5.9
80°-90°	29.7	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°	805.7	27.9
0°-40°	1321.9	45.8
0°-60°	2336.5	81.0
0°-90°	2885.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2885.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1034	1022	1030	1026	1033	98
15°	1002	990	998	995	999	283
25°	932	922	928	926	929	429
35°	829	823	825	826	826	518
45°	697	694	694	695	695	538
55°	540	537	535	537	537	481
65°	353	354	352	352	351	348
75°	161	162	160	161	159	171
85°	20	21	20	20	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.9	1031.9	1031.9	1031.9	1031.9
2.5°	1037.6	1025.5	1033.2	1028.7	1035.7
5°	1034.4	1022.3	1030.0	1026.2	1033.2
7.5°	1028.7	1016.6	1024.2	1020.4	1026.2
10°	1022.3	1009.6	1017.9	1014.1	1019.8
12.5°	1014.1	1001.9	1009.6	1006.4	1011.5
15°	1001.9	990.5	997.5	994.9	998.8
17.5°	987.3	975.8	982.8	980.9	984.1
20°	971.3	960.5	967.5	965.6	968.8
22.5°	953.5	942.0	948.4	947.1	949.7
25°	931.8	921.6	928.0	926.1	928.6
27.5°	908.9	899.3	904.4	904.4	905.7
30°	884.0	875.1	880.2	880.2	880.8
32.5°	857.3	850.2	853.4	854.1	854.1
35°	828.6	822.8	825.4	826.0	826.0
37.5°	798.6	792.9	794.8	796.1	796.1
40°	766.8	761.7	762.9	764.2	763.6
42.5°	732.3	728.5	729.1	730.4	730.4
45°	697.3	694.1	694.1	695.4	695.4
47.5°	661.6	658.4	657.1	658.4	658.4
50°	622.7	619.5	618.2	619.5	619.5
52.5°	581.9	578.7	578.7	578.7	579.4
55°	539.9	536.7	535.4	536.7	537.3
57.5°	495.2	494.0	492.0	492.7	490.8
60°	447.4	447.4	445.5	446.8	445.5
62.5°	400.9	402.2	400.3	400.3	399.0
65°	353.1	354.4	352.5	352.5	351.2
67.5°	304.0	305.9	303.4	303.4	302.1
70°	253.0	256.9	254.3	254.9	253.7
72.5°	207.1	209.1	206.5	206.5	205.2
75°	161.3	162.5	160.0	160.6	158.7
77.5°	116.0	117.9	115.4	116.0	115.4
80°	77.8	78.4	76.5	77.1	75.8
82.5°	45.3	45.9	45.3	44.6	44.0
85°	20.4	21.0	20.4	20.4	19.8
87.5°	5.1	5.1	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)