

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: P973655

Luminaire Tested: FLR2-22-35-L940-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973655
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-L940-CP375
Description: SHAPER SENSE CIRCLE

Light Source:
Ballast/Driver: -

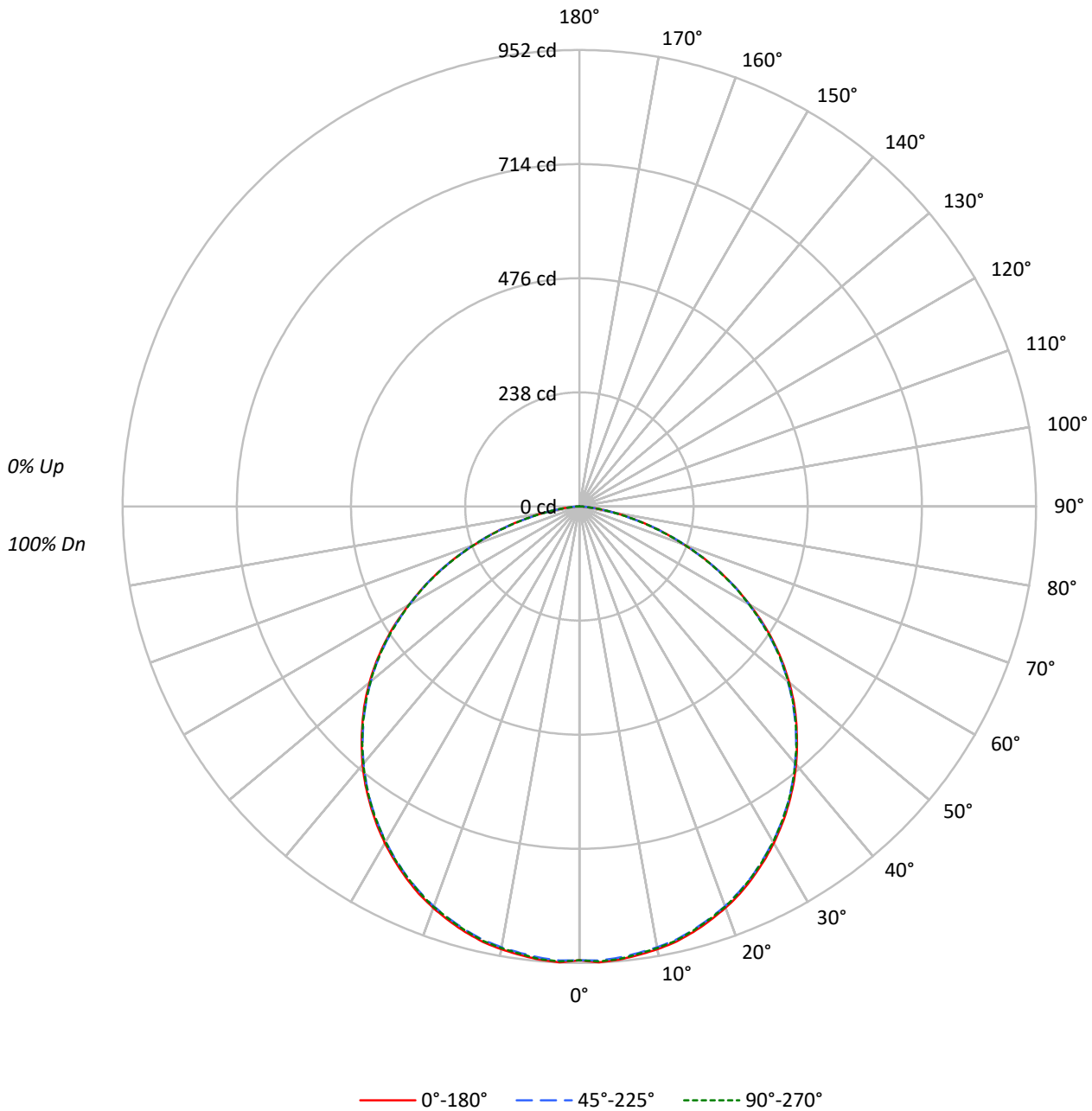
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2646.7 lumens
Efficiency: N/A
Efficacy: 94.9 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

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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									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	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°	2547	2547	2547
5°	2563	2552	2560
10°	2562	2551	2556
15°	2560	2549	2552
20°	2551	2541	2544
25°	2537	2527	2529
30°	2519	2509	2510
35°	2496	2487	2489
40°	2470	2458	2460
45°	2434	2423	2427
50°	2391	2374	2379
55°	2323	2304	2312
60°	2209	2199	2199
65°	2062	2059	2051
70°	1826	1835	1831
75°	1538	1525	1514
80°	1105	1086	1079
85°	577	577	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2434 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	3.4
10°-20°	257.7	9.7
20°-30°	391.6	14.8
30°-40°	473.4	17.9
40°-50°	491.4	18.6
50°-60°	439.3	16.6
60°-70°	319.4	12.1
70°-80°	157.1	5.9
80°-90°	27.2	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°	739.0	27.9
0°-40°	1212.4	45.8
0°-60°	2143.0	81.0
0°-90°	2646.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	949	938	945	941	948	90
15°	919	908	915	912	916	259
25°	855	845	851	849	852	394
35°	760	755	757	758	758	475
45°	640	637	637	638	638	493
55°	495	492	491	492	493	441
65°	324	325	323	323	322	319
75°	148	149	147	147	146	157
85°	19	19	19	19	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.4	946.4	946.4	946.4	946.4
2.5°	951.7	940.6	947.6	943.5	949.9
5°	948.8	937.7	944.7	941.2	947.6
7.5°	943.5	932.4	939.4	935.9	941.2
10°	937.7	926.0	933.6	930.1	935.3
12.5°	930.1	918.9	926.0	923.0	927.7
15°	918.9	908.4	914.9	912.5	916.0
17.5°	905.5	895.0	901.4	899.7	902.6
20°	890.9	880.9	887.4	885.6	888.5
22.5°	874.5	864.0	869.8	868.7	871.0
25°	854.6	845.3	851.1	849.4	851.7
27.5°	833.6	824.8	829.5	829.5	830.7
30°	810.8	802.6	807.3	807.3	807.9
32.5°	786.2	779.8	782.7	783.3	783.3
35°	759.9	754.7	757.0	757.6	757.6
37.5°	732.5	727.2	729.0	730.1	730.1
40°	703.2	698.6	699.7	700.9	700.3
42.5°	671.7	668.2	668.8	669.9	669.9
45°	639.5	636.6	636.6	637.8	637.8
47.5°	606.8	603.9	602.7	603.9	603.9
50°	571.1	568.2	567.0	568.2	568.2
52.5°	533.7	530.8	530.8	530.8	531.4
55°	495.1	492.2	491.0	492.2	492.8
57.5°	454.2	453.0	451.3	451.9	450.1
60°	410.4	410.4	408.6	409.8	408.6
62.5°	367.7	368.9	367.1	367.1	365.9
65°	323.9	325.0	323.3	323.3	322.1
67.5°	278.8	280.6	278.3	278.3	277.1
70°	232.1	235.6	233.2	233.8	232.7
72.5°	190.0	191.7	189.4	189.4	188.2
75°	147.9	149.1	146.7	147.3	145.6
77.5°	106.4	108.1	105.8	106.4	105.8
80°	71.3	71.9	70.1	70.7	69.6
82.5°	41.5	42.1	41.5	40.9	40.3
85°	18.7	19.3	18.7	18.7	18.1
87.5°	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)