

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P997276

Luminaire Tested: FSP-14-L3C3-CA08-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA08-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

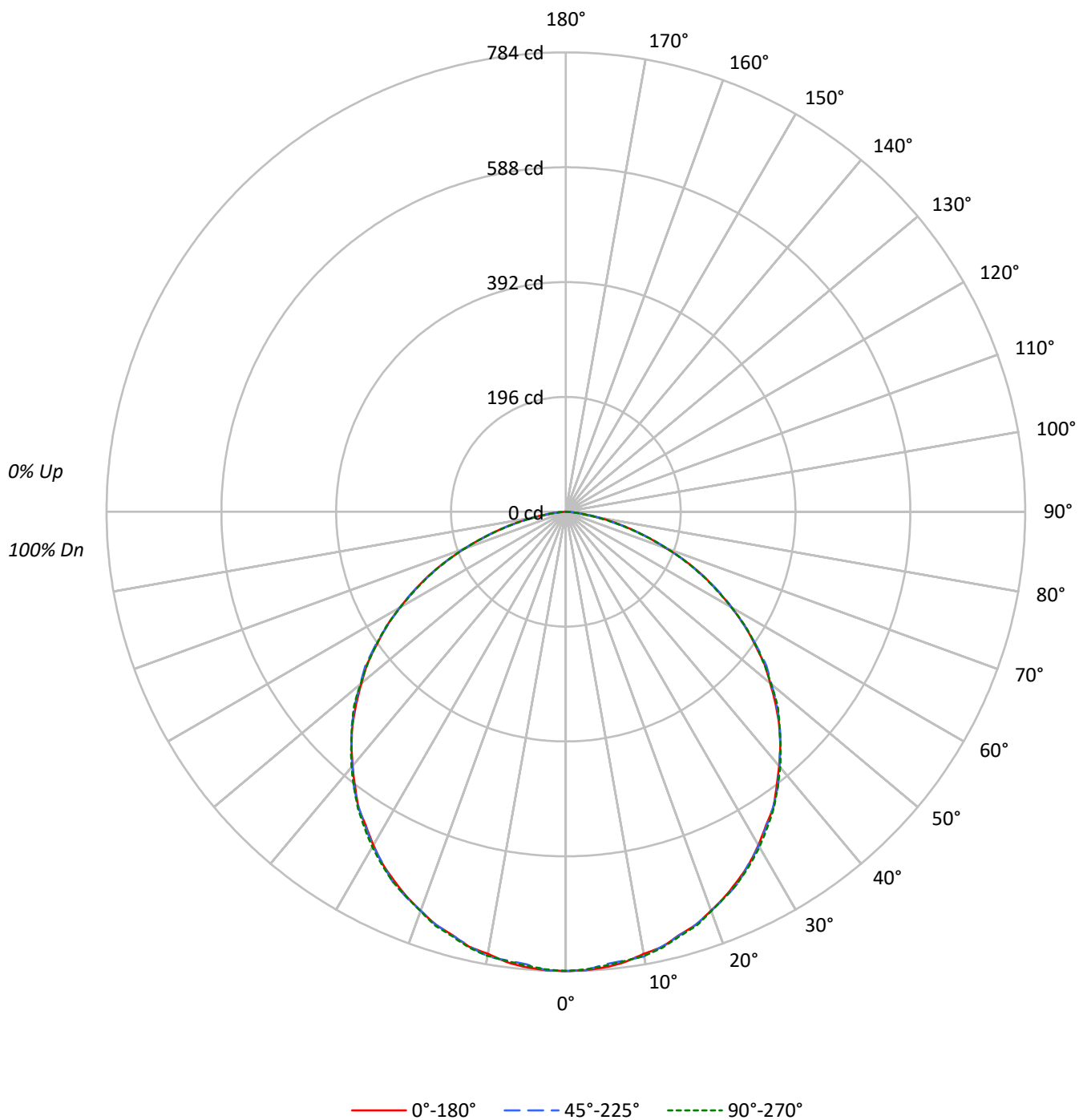
Lumens per Lamp: N/A
Luminaire Lumens: 2140.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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				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	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2723	2723	2723
5°	2721	2704	2712
10°	2703	2718	2716
15°	2690	2693	2698
20°	2679	2679	2682
25°	2662	2676	2673
30°	2637	2642	2651
35°	2617	2614	2623
40°	2569	2572	2581
45°	2531	2538	2534
50°	2461	2476	2472
55°	2383	2400	2391
60°	2273	2273	2268
65°	2123	2111	2111
70°	1865	1872	1880
75°	1549	1540	1531
80°	1099	1099	1071
85°	562	534	534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2541 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.5
10°-20°	212.0	9.9
20°-30°	320.8	15.0
30°-40°	385.6	18.0
40°-50°	397.9	18.6
50°-60°	353.0	16.5
60°-70°	253.7	11.9
70°-80°	122.3	5.7
80°-90°	20.5	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°	607.0	28.4
0°-40°	992.6	46.4
0°-60°	1743.5	81.5
0°-90°	2140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	780	780	775	781	777	74
15°	748	753	748	754	750	211
25°	694	696	698	698	697	320
35°	617	617	616	618	618	384
45°	515	516	516	517	516	396
55°	393	396	396	395	395	352
65°	258	259	257	255	257	254
75°	115	114	115	115	114	123
85°	14	13	13	14	13	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.7	783.7	783.7	783.7	783.7
2.5°	783.0	785.1	783.0	784.4	781.6
5°	780.2	780.2	775.2	780.9	777.4
7.5°	775.2	776.0	772.4	778.1	773.1
10°	766.1	771.0	770.3	772.4	769.6
12.5°	760.5	762.6	759.8	764.0	761.9
15°	747.8	752.7	748.5	754.1	749.9
17.5°	738.7	739.4	738.7	741.5	740.8
20°	724.6	726.0	724.6	729.5	725.3
22.5°	710.5	711.9	711.9	714.0	711.2
25°	694.3	695.8	697.9	697.9	697.2
27.5°	677.5	676.8	676.8	681.7	679.6
30°	657.1	659.9	658.5	662.0	660.6
32.5°	635.3	638.1	636.7	640.2	639.5
35°	617.0	617.0	616.3	617.7	618.4
37.5°	590.9	591.6	593.7	595.2	593.7
40°	566.3	568.4	567.0	568.4	569.1
42.5°	541.7	543.8	541.7	545.2	542.4
45°	515.0	515.7	516.4	517.1	515.7
47.5°	485.4	488.9	488.2	489.6	490.3
50°	455.2	460.1	458.0	459.4	457.3
52.5°	427.7	427.7	431.2	427.0	426.3
55°	393.3	396.1	396.1	395.4	394.7
57.5°	362.3	363.7	360.9	362.3	363.0
60°	327.1	328.5	327.1	326.4	326.4
62.5°	291.9	293.4	293.4	292.7	290.5
65°	258.2	258.9	256.8	254.7	256.8
67.5°	221.6	220.9	220.9	219.5	220.9
70°	183.6	185.7	184.3	182.9	185.0
72.5°	148.4	149.8	147.7	147.0	148.4
75°	115.4	114.0	114.7	114.7	114.0
77.5°	85.1	83.0	81.6	81.6	82.3
80°	54.9	54.2	54.9	53.5	53.5
82.5°	31.0	31.0	31.0	31.0	31.7
85°	14.1	13.4	13.4	14.1	13.4
87.5°	3.5	3.5	4.2	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.26	16.87	15.62	17.19	17.50	15.24	16.85	15.60	17.17	17.48
	3H	16.82	18.27	17.19	18.60	18.96	16.79	18.25	17.17	18.57	18.93
	4H	17.29	18.66	17.69	19.01	19.39	17.27	18.63	17.66	18.98	19.36
	6H	17.55	18.82	17.96	19.18	19.57	17.51	18.78	17.92	19.14	19.53
	8H	17.59	18.80	18.02	19.19	19.59	17.55	18.76	17.98	19.15	19.55
	12H	17.60	18.75	18.03	19.14	19.56	17.56	18.71	17.99	19.10	19.52
4H	2H	15.83	17.20	16.23	17.55	17.92	15.82	17.18	16.21	17.53	17.91
	3H	17.58	18.72	17.99	19.12	19.52	17.55	18.69	17.96	19.09	19.49
	4H	18.15	19.18	18.58	19.59	20.03	18.13	19.15	18.56	19.57	20.00
	6H	18.49	19.39	18.95	19.83	20.29	18.45	19.35	18.91	19.79	20.25
	8H	18.55	19.39	19.01	19.83	20.30	18.51	19.35	18.97	19.79	20.26
	12H	18.57	19.32	19.05	19.80	20.27	18.53	19.28	19.01	19.76	20.23
8H	4H	18.35	19.19	18.81	19.63	20.10	18.33	19.17	18.79	19.61	20.07
	6H	18.75	19.45	19.25	19.93	20.41	18.72	19.41	19.21	19.90	20.37
	8H	18.84	19.46	19.35	19.97	20.45	18.80	19.42	19.32	19.93	20.42
	12H	18.88	19.43	19.39	19.92	20.48	18.85	19.39	19.36	19.88	20.45
12H	4H	18.36	19.11	18.84	19.58	20.05	18.33	19.08	18.82	19.56	20.03
	6H	18.76	19.38	19.27	19.88	20.37	18.72	19.34	19.23	19.85	20.33
	8H	18.88	19.42	19.38	19.91	20.47	18.84	19.39	19.35	19.88	20.44