

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: P997273

Luminaire Tested: FSP-14-L3C3-CA08-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997273
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-CA08-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

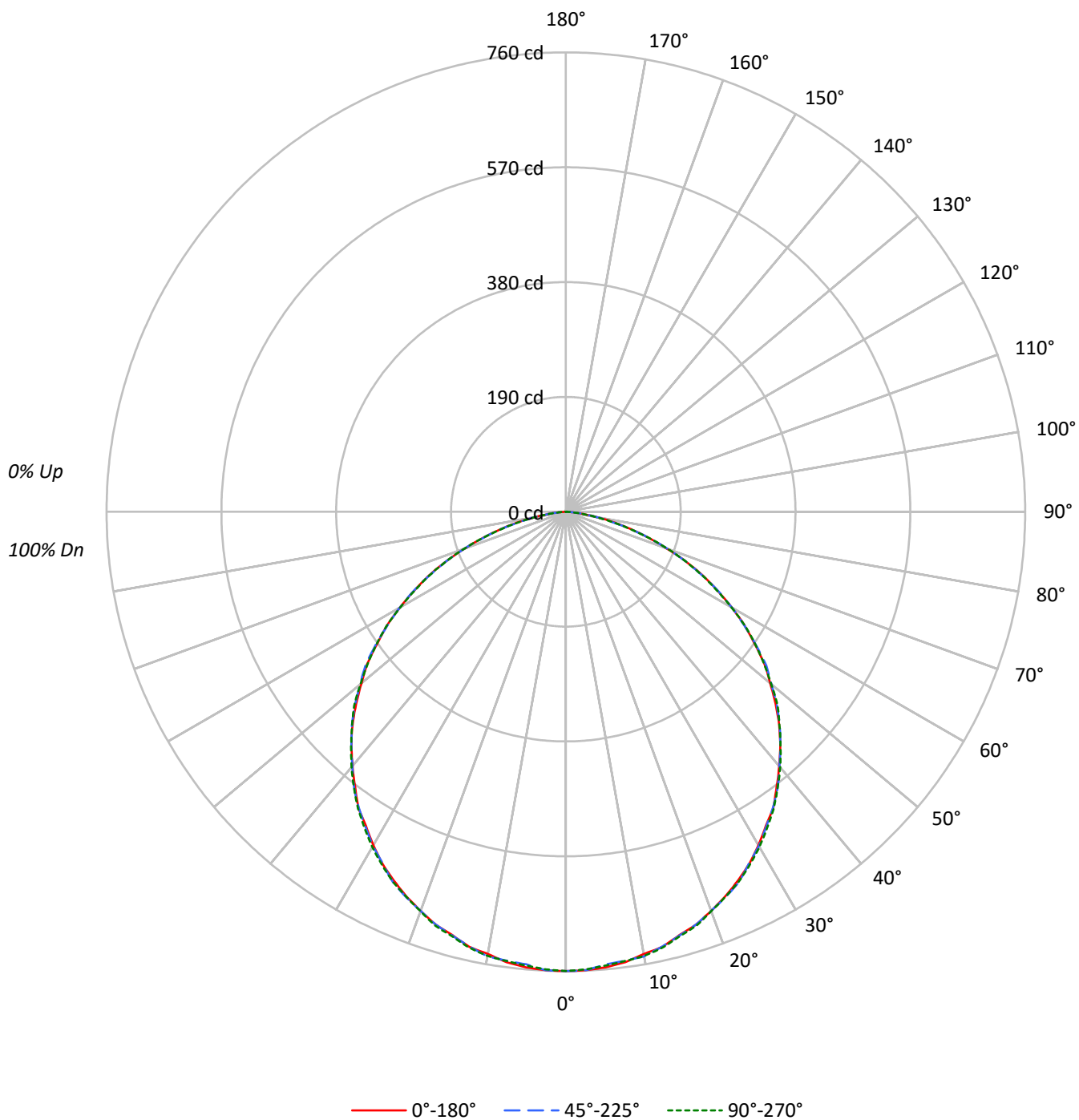
Lumens per Lamp: N/A
Luminaire Lumens: 2075.0 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2641	2641	2641
5°	2639	2622	2629
10°	2621	2635	2633
15°	2609	2611	2616
20°	2598	2598	2601
25°	2581	2595	2592
30°	2556	2562	2570
35°	2538	2535	2544
40°	2491	2494	2503
45°	2454	2461	2457
50°	2386	2401	2397
55°	2310	2326	2318
60°	2204	2204	2200
65°	2058	2047	2047
70°	1808	1816	1823
75°	1502	1493	1484
80°	1065	1065	1037
85°	542	518	518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.5
10°-20°	205.6	9.9
20°-30°	311.1	15.0
30°-40°	373.9	18.0
40°-50°	385.8	18.6
50°-60°	342.3	16.5
60°-70°	246.0	11.9
70°-80°	118.6	5.7
80°-90°	19.9	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°	588.6	28.4
0°-40°	962.4	46.4
0°-60°	1690.5	81.5
0°-90°	2075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	756	756	752	757	754	72
15°	725	730	726	731	727	205
25°	673	675	677	677	676	310
35°	598	598	598	599	600	373
45°	499	500	501	501	500	384
55°	381	384	384	383	383	341
65°	250	251	249	247	249	246
75°	112	110	111	111	110	120
85°	14	13	13	14	13	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.9	759.9	759.9	759.9	759.9
2.5°	759.2	761.2	759.2	760.6	757.8
5°	756.5	756.5	751.7	757.2	753.7
7.5°	751.7	752.4	749.0	754.4	749.7
10°	742.8	747.6	746.9	749.0	746.2
12.5°	737.4	739.4	736.7	740.8	738.7
15°	725.1	729.9	725.8	731.2	727.1
17.5°	716.2	716.9	716.2	719.0	718.3
20°	702.6	704.0	702.6	707.4	703.3
22.5°	688.9	690.3	690.3	692.4	689.6
25°	673.3	674.6	676.7	676.7	676.0
27.5°	656.9	656.2	656.2	661.0	658.9
30°	637.1	639.8	638.5	641.9	640.5
32.5°	616.0	618.7	617.3	620.7	620.1
35°	598.2	598.2	597.5	598.9	599.6
37.5°	573.0	573.7	575.7	577.1	575.7
40°	549.1	551.2	549.8	551.2	551.8
42.5°	525.2	527.3	525.2	528.6	525.9
45°	499.3	500.0	500.7	501.4	500.0
47.5°	470.7	474.1	473.4	474.8	475.4
50°	441.3	446.1	444.1	445.4	443.4
52.5°	414.7	414.7	418.1	414.0	413.4
55°	381.3	384.0	384.0	383.4	382.7
57.5°	351.3	352.7	349.9	351.3	352.0
60°	317.2	318.6	317.2	316.5	316.5
62.5°	283.1	284.4	284.4	283.8	281.7
65°	250.3	251.0	249.0	246.9	249.0
67.5°	214.9	214.2	214.2	212.8	214.2
70°	178.0	180.1	178.7	177.4	179.4
72.5°	143.9	145.3	143.2	142.6	143.9
75°	111.9	110.5	111.2	111.2	110.5
77.5°	82.5	80.5	79.1	79.1	79.8
80°	53.2	52.5	53.2	51.8	51.8
82.5°	30.0	30.0	30.0	30.0	30.7
85°	13.6	13.0	13.0	13.6	13.0
87.5°	3.4	3.4	4.1	3.4	3.4
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	15.15	16.77	15.52	17.08	17.39	15.13	16.74	15.49	17.06	17.37
	3H	16.71	18.17	17.09	18.49	18.85	16.69	18.14	17.06	18.47	18.83
	4H	17.19	18.56	17.59	18.90	19.28	17.16	18.53	17.56	18.88	19.25
	6H	17.45	18.71	17.86	19.08	19.47	17.40	18.67	17.82	19.04	19.43
	8H	17.49	18.69	17.91	19.08	19.48	17.45	18.65	17.87	19.04	19.44
	12H	17.49	18.65	17.92	19.03	19.46	17.45	18.61	17.88	18.99	19.42
4H	2H	15.73	17.09	16.12	17.44	17.82	15.71	17.08	16.11	17.42	17.80
	3H	17.48	18.62	17.89	19.01	19.41	17.45	18.59	17.86	18.99	19.39
	4H	18.05	19.07	18.48	19.49	19.92	18.02	19.05	18.45	19.46	19.90
	6H	18.39	19.28	18.84	19.72	20.18	18.35	19.24	18.80	19.68	20.14
	8H	18.44	19.28	18.91	19.72	20.19	18.41	19.24	18.87	19.68	20.15
	12H	18.46	19.21	18.95	19.69	20.16	18.43	19.17	18.91	19.65	20.12
8H	4H	18.25	19.08	18.71	19.53	19.99	18.22	19.06	18.68	19.50	19.97
	6H	18.65	19.34	19.14	19.83	20.30	18.61	19.30	19.10	19.79	20.26
	8H	18.73	19.35	19.24	19.86	20.34	18.70	19.31	19.21	19.82	20.31
	12H	18.77	19.32	19.28	19.81	20.37	18.74	19.29	19.25	19.78	20.34
12H	4H	18.25	19.00	18.73	19.47	19.94	18.23	18.98	18.71	19.45	19.92
	6H	18.65	19.27	19.16	19.78	20.26	18.61	19.23	19.12	19.74	20.23
	8H	18.77	19.31	19.28	19.81	20.37	18.73	19.28	19.24	19.77	20.33