

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: P997315

Luminaire Tested: FSP-14-L3C3-CP250-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

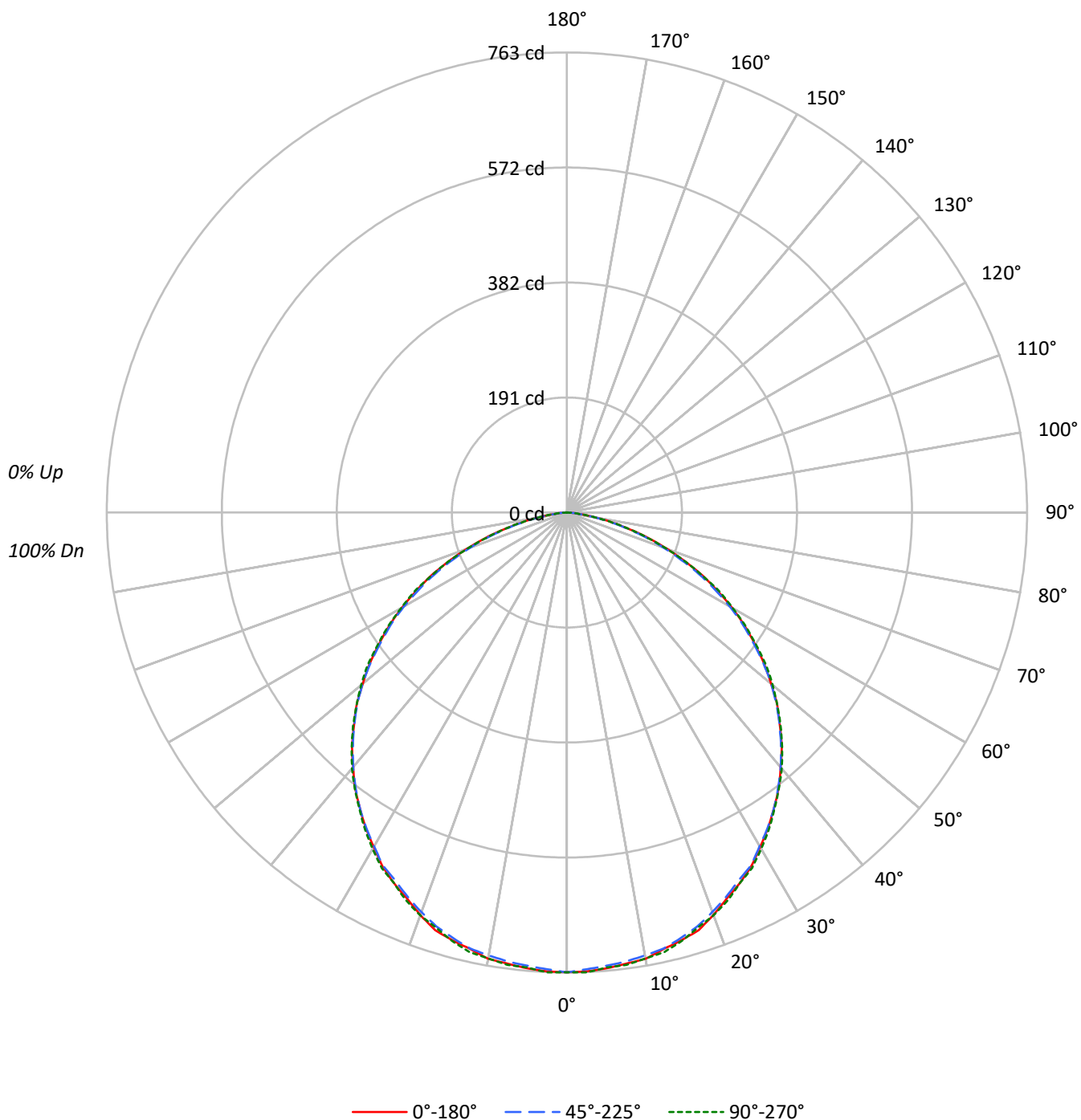
Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2650	2650	2650
5°	2647	2632	2642
10°	2652	2632	2650
15°	2642	2628	2647
20°	2627	2608	2629
25°	2601	2581	2601
30°	2571	2565	2585
35°	2539	2539	2545
40°	2501	2501	2514
45°	2453	2450	2464
50°	2389	2389	2408
55°	2303	2286	2321
60°	2198	2168	2209
65°	2047	1986	2040
70°	1798	1739	1784
75°	1451	1394	1451
80°	1003	973	1003
85°	435	435	435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	3.5
10°-20°	206.6	10.0
20°-30°	312.0	15.1
30°-40°	374.6	18.1
40°-50°	385.2	18.7
50°-60°	339.9	16.5
60°-70°	241.9	11.7
70°-80°	114.2	5.5
80°-90°	17.6	0.9
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°	590.7	28.6
0°-40°	965.3	46.8
0°-60°	1690.4	81.9
0°-90°	2064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	759	758	755	760	758	72
15°	734	731	731	734	736	207
25°	678	674	673	678	678	313
35°	599	596	599	602	600	375
45°	499	498	498	502	501	385
55°	380	381	377	382	383	340
65°	249	245	242	245	248	245
75°	108	107	104	106	108	116
85°	11	12	11	11	11	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	762.6	762.6	762.6	762.6	762.6
2.5°	761.8	760.4	758.2	761.1	763.3
5°	758.9	758.2	754.6	760.4	757.5
7.5°	754.6	756.0	751.0	754.6	756.8
10°	751.7	747.3	745.9	748.8	751.0
12.5°	741.5	741.5	740.8	741.5	746.6
15°	734.3	731.4	730.6	733.5	735.7
17.5°	726.3	720.5	719.8	721.9	721.9
20°	710.3	705.2	705.2	708.9	711.0
22.5°	692.9	692.2	690.0	696.5	696.5
25°	678.4	674.0	673.3	677.7	678.4
27.5°	661.7	658.1	660.3	660.3	664.6
30°	640.7	639.2	639.2	642.8	644.3
32.5°	620.4	618.9	619.6	621.8	623.3
35°	598.6	595.7	598.6	601.5	600.0
37.5°	576.8	575.4	575.4	577.5	577.5
40°	551.4	549.2	551.4	555.1	554.3
42.5°	527.5	524.6	525.3	528.9	528.2
45°	499.2	497.7	498.5	502.1	501.4
47.5°	473.1	470.9	471.6	471.6	473.1
50°	441.9	441.9	441.9	444.0	445.5
52.5°	412.1	411.4	410.7	414.3	416.5
55°	380.2	380.9	377.3	381.6	383.1
57.5°	349.0	349.0	346.1	348.3	351.9
60°	316.3	314.2	312.0	314.9	317.8
62.5°	281.5	280.1	276.4	278.6	286.6
65°	248.9	245.2	241.6	245.2	248.1
67.5°	212.6	209.7	205.3	209.0	212.6
70°	177.0	174.9	171.2	173.4	175.6
72.5°	142.9	139.3	136.4	139.3	140.8
75°	108.1	107.4	103.8	105.9	108.1
77.5°	77.6	76.2	74.0	77.6	77.6
80°	50.1	50.1	48.6	49.3	50.1
82.5°	28.3	26.8	26.1	27.6	26.8
85°	10.9	11.6	10.9	10.9	10.9
87.5°	2.2	1.5	2.2	1.5	1.5
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	15.11	16.72	15.47	17.03	17.35	15.11	16.72	15.47	17.03	17.35
	3H	16.65	18.10	17.03	18.43	18.79	16.64	18.09	17.02	18.41	18.77
	4H	17.11	18.47	17.51	18.82	19.20	17.10	18.46	17.49	18.81	19.18
	6H	17.34	18.60	17.76	18.97	19.36	17.33	18.59	17.74	18.96	19.35
	8H	17.38	18.58	17.80	18.97	19.37	17.36	18.56	17.79	18.95	19.35
	12H	17.38	18.53	17.81	18.91	19.34	17.36	18.51	17.79	18.89	19.32
4H	2H	15.66	17.02	16.05	17.37	17.74	15.66	17.02	16.05	17.37	17.74
	3H	17.38	18.51	17.79	18.91	19.31	17.37	18.50	17.78	18.90	19.30
	4H	17.94	18.96	18.37	19.37	19.81	17.92	18.94	18.35	19.35	19.79
	6H	18.25	19.14	18.71	19.58	20.04	18.24	19.12	18.69	19.57	20.02
	8H	18.30	19.13	18.76	19.57	20.04	18.28	19.11	18.74	19.55	20.02
	12H	18.31	19.05	18.79	19.53	20.00	18.29	19.03	18.77	19.51	19.98
8H	4H	18.12	18.95	18.58	19.39	19.86	18.10	18.93	18.56	19.37	19.84
	6H	18.49	19.17	18.98	19.66	20.14	18.47	19.16	18.97	19.65	20.12
	8H	18.56	19.17	19.07	19.68	20.17	18.54	19.16	19.06	19.67	20.15
	12H	18.59	19.13	19.10	19.62	20.18	18.57	19.11	19.08	19.60	20.17
12H	4H	18.12	18.86	18.60	19.34	19.81	18.10	18.85	18.58	19.32	19.79
	6H	18.48	19.10	18.99	19.61	20.09	18.47	19.09	18.98	19.59	20.08
	8H	18.59	19.13	19.09	19.62	20.18	18.57	19.11	19.08	19.61	20.17