

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: P997285

Luminaire Tested: FSP-14-L3C3-CA125-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA125-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

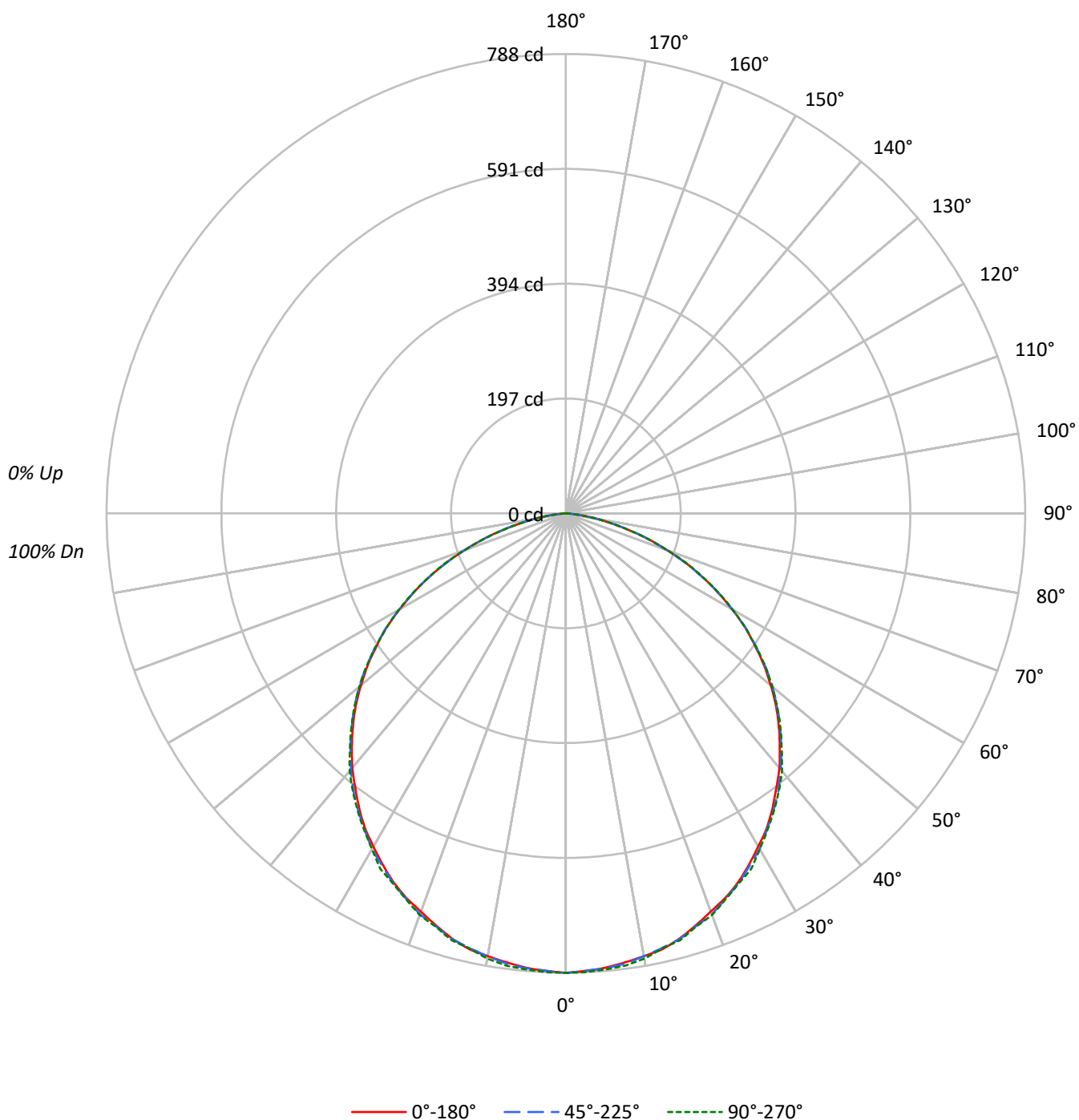
Lumens per Lamp: N/A
Luminaire Lumens: 2154.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2739	2739	2739
5°	2729	2732	2740
10°	2722	2722	2736
15°	2716	2719	2726
20°	2688	2706	2712
25°	2679	2685	2687
30°	2649	2668	2668
35°	2621	2636	2642
40°	2586	2601	2618
45°	2538	2556	2559
50°	2480	2503	2499
55°	2400	2413	2409
60°	2289	2293	2298
65°	2130	2124	2135
70°	1881	1888	1888
75°	1540	1549	1531
80°	1099	1071	1071
85°	506	506	478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.5
10°-20°	213.2	9.9
20°-30°	322.7	15.0
30°-40°	388.6	18.0
40°-50°	400.8	18.6
50°-60°	355.8	16.5
60°-70°	255.9	11.9
70°-80°	123.1	5.7
80°-90°	19.6	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°	610.3	28.3
0°-40°	998.9	46.4
0°-60°	1755.4	81.5
0°-90°	2154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	782	785	783	782	785	74
15°	755	757	756	754	758	213
25°	699	701	700	701	701	322
35°	618	619	621	623	623	386
45°	516	520	520	521	521	398
55°	396	400	398	402	398	354
65°	259	259	258	259	260	256
75°	115	116	115	114	114	123
85°	13	13	13	12	12	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.2	788.2	788.2	788.2	788.2
2.5°	785.4	788.2	785.4	784.7	787.5
5°	782.5	784.7	783.2	782.5	785.4
7.5°	776.9	780.4	779.0	778.3	782.5
10°	771.3	774.1	771.3	773.4	775.5
12.5°	765.7	767.8	763.5	766.4	764.2
15°	755.1	757.2	755.8	754.4	757.9
17.5°	741.0	744.5	742.4	744.5	743.1
20°	726.9	729.8	731.9	730.5	733.3
22.5°	714.3	715.7	715.7	717.1	716.4
25°	698.8	700.9	700.2	700.9	700.9
27.5°	679.8	681.2	681.9	683.3	688.2
30°	660.1	662.9	665.0	665.7	665.0
32.5°	641.1	642.5	642.5	645.3	643.9
35°	617.9	619.3	621.4	622.8	622.8
37.5°	593.2	595.3	598.9	600.3	600.3
40°	570.0	572.1	573.5	578.5	577.1
42.5°	543.3	547.5	546.8	547.5	548.2
45°	516.5	520.1	520.1	520.8	520.8
47.5°	489.1	491.9	491.9	491.9	491.9
50°	458.8	460.2	463.0	460.9	462.3
52.5°	428.6	431.4	431.4	430.0	431.4
55°	396.2	400.4	398.3	401.8	397.6
57.5°	365.2	365.9	365.9	365.2	364.5
60°	329.3	332.2	330.0	328.6	330.7
62.5°	294.2	295.6	295.6	294.9	295.6
65°	259.0	259.0	258.3	259.0	259.7
67.5°	223.8	223.8	221.7	220.3	224.5
70°	185.1	187.2	185.8	185.8	185.8
72.5°	150.6	149.2	149.9	148.5	149.2
75°	114.7	116.1	115.4	114.0	114.0
77.5°	82.3	84.4	83.0	82.3	83.0
80°	54.9	54.2	53.5	53.5	53.5
82.5°	31.7	30.3	30.3	29.6	29.6
85°	12.7	12.7	12.7	12.0	12.0
87.5°	2.8	2.8	2.8	2.1	2.8
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	15.28	16.90	15.65	17.21	17.52	15.27	16.88	15.63	17.19	17.51
	3H	16.85	18.30	17.23	18.63	18.99	16.83	18.28	17.20	18.61	18.97
	4H	17.32	18.69	17.72	19.04	19.42	17.29	18.66	17.69	19.01	19.39
	6H	17.57	18.84	17.98	19.20	19.59	17.54	18.81	17.95	19.17	19.56
	8H	17.61	18.82	18.03	19.21	19.61	17.57	18.78	18.00	19.17	19.57
	12H	17.61	18.77	18.04	19.15	19.58	17.57	18.73	18.00	19.11	19.54
4H	2H	15.86	17.22	16.25	17.57	17.95	15.84	17.21	16.24	17.56	17.93
	3H	17.61	18.75	18.02	19.15	19.55	17.59	18.73	18.00	19.13	19.53
	4H	18.19	19.21	18.62	19.63	20.06	18.15	19.18	18.59	19.59	20.03
	6H	18.52	19.41	18.97	19.85	20.31	18.48	19.37	18.93	19.81	20.27
	8H	18.57	19.41	19.03	19.85	20.32	18.53	19.37	18.99	19.81	20.27
	12H	18.59	19.34	19.07	19.81	20.28	18.54	19.29	19.02	19.77	20.24
8H	4H	18.39	19.22	18.85	19.67	20.13	18.36	19.19	18.82	19.64	20.10
	6H	18.78	19.47	19.27	19.96	20.43	18.74	19.43	19.24	19.92	20.40
	8H	18.86	19.48	19.37	19.98	20.47	18.82	19.43	19.33	19.94	20.43
	12H	18.90	19.44	19.40	19.93	20.49	18.85	19.39	19.36	19.88	20.45
12H	4H	18.39	19.14	18.87	19.61	20.08	18.36	19.11	18.84	19.59	20.06
	6H	18.78	19.40	19.29	19.90	20.39	18.74	19.36	19.25	19.87	20.36
	8H	18.89	19.44	19.40	19.93	20.49	18.85	19.40	19.36	19.89	20.45