

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: P997297

Luminaire Tested: FSP-14-L3C3-CP125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

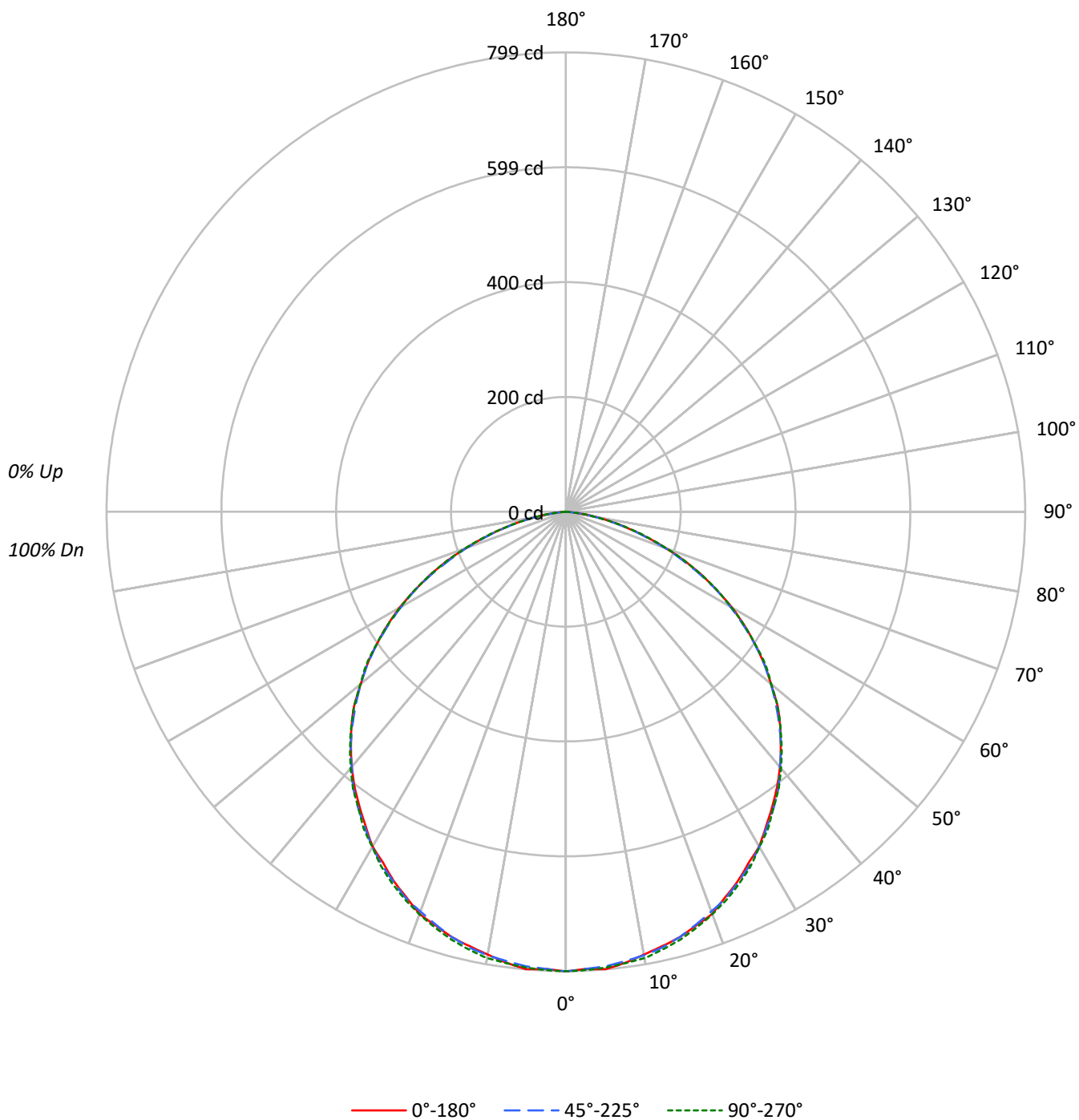
Lumens per Lamp: N/A
Luminaire Lumens: 2172.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	96	98	95	93	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62
4	83	72	63	56	81	70	62	56	68	61	55	65	59	55	63	58	54
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37
8	61	48	39	33	60	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	30
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2777	2777	2777
5°	2786	2768	2776
10°	2759	2764	2782
15°	2755	2755	2771
20°	2752	2736	2755
25°	2717	2723	2736
30°	2698	2701	2701
35°	2655	2671	2667
40°	2629	2629	2642
45°	2591	2580	2595
50°	2517	2517	2521
55°	2434	2430	2438
60°	2324	2298	2309
65°	2147	2117	2147
70°	1880	1857	1901
75°	1539	1518	1557
80°	1089	1059	1089
85°	522	490	490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	3.5
10°-20°	216.4	10.0
20°-30°	327.5	15.1
30°-40°	393.3	18.1
40°-50°	405.2	18.7
50°-60°	357.8	16.5
60°-70°	255.1	11.7
70°-80°	121.7	5.6
80°-90°	19.4	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°	619.5	28.5
0°-40°	1012.8	46.6
0°-60°	1775.9	81.8
0°-90°	2172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	799	799	799	799	799	
5°	799	796	794	796	796	76
15°	766	766	766	767	770	216
25°	709	707	710	714	714	327
35°	626	628	630	631	629	392
45°	527	525	525	527	528	406
55°	402	402	401	399	402	359
65°	261	259	258	255	261	258
75°	115	114	113	112	116	122
85°	13	12	12	12	12	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	799.3	799.3	799.3	799.3	799.3
2.5°	795.7	796.4	795.7	798.6	797.8
5°	798.6	795.7	793.5	795.7	795.7
7.5°	791.3	789.1	788.4	792.8	792.0
10°	781.9	787.0	783.3	786.2	788.4
12.5°	773.9	777.5	776.1	783.3	779.7
15°	765.9	765.9	765.9	766.7	770.3
17.5°	754.3	753.6	752.9	755.8	757.9
20°	744.2	738.4	739.8	744.2	744.9
22.5°	725.3	728.2	727.5	730.4	730.4
25°	708.6	707.2	710.1	713.7	713.7
27.5°	688.3	690.5	692.7	694.1	695.6
30°	672.4	669.5	673.1	673.8	673.1
32.5°	648.4	647.7	650.6	654.2	654.2
35°	625.9	628.1	629.6	631.0	628.8
37.5°	603.5	602.7	607.1	606.4	607.8
40°	579.5	578.8	579.5	581.0	582.4
42.5°	553.4	551.2	554.1	554.9	555.6
45°	527.3	525.1	525.1	527.3	528.0
47.5°	499.7	495.4	495.4	496.1	499.0
50°	465.6	464.9	465.6	464.2	466.4
52.5°	435.2	434.5	434.5	433.0	438.1
55°	401.8	401.8	401.1	398.9	402.5
57.5°	368.5	367.7	365.6	365.6	367.7
60°	334.4	332.2	330.7	328.6	332.2
62.5°	296.7	296.7	295.9	291.6	297.4
65°	261.1	258.9	257.5	254.6	261.1
67.5°	224.1	221.9	219.0	218.3	224.1
70°	185.0	185.7	182.8	180.6	187.1
72.5°	148.0	150.9	146.5	145.8	150.9
75°	114.6	113.9	113.1	111.7	116.0
77.5°	82.7	82.0	81.2	79.8	84.1
80°	54.4	54.4	52.9	52.2	54.4
82.5°	30.5	29.7	29.0	29.7	31.2
85°	13.1	12.3	12.3	12.3	12.3
87.5°	2.9	2.9	2.2	2.2	2.2
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	15.30	16.91	15.66	17.22	17.53	15.26	16.87	15.62	17.18	17.50
	3H	16.84	18.29	17.22	18.62	18.98	16.79	18.24	17.17	18.57	18.93
	4H	17.30	18.67	17.70	19.01	19.39	17.27	18.63	17.66	18.98	19.35
	6H	17.55	18.81	17.96	19.17	19.56	17.51	18.77	17.92	19.14	19.53
	8H	17.58	18.79	18.01	19.18	19.57	17.55	18.75	17.98	19.14	19.54
	12H	17.58	18.74	18.01	19.12	19.55	17.55	18.70	17.98	19.09	19.51
4H	2H	15.86	17.22	16.26	17.57	17.95	15.83	17.19	16.23	17.54	17.92
	3H	17.59	18.73	18.00	19.12	19.52	17.54	18.68	17.95	19.07	19.47
	4H	18.15	19.17	18.58	19.59	20.02	18.10	19.12	18.53	19.54	19.97
	6H	18.47	19.36	18.93	19.81	20.26	18.42	19.31	18.88	19.75	20.21
	8H	18.53	19.36	18.99	19.80	20.27	18.48	19.31	18.94	19.75	20.22
	12H	18.54	19.29	19.02	19.76	20.23	18.49	19.24	18.98	19.72	20.19
8H	4H	18.34	19.17	18.80	19.61	20.08	18.29	19.13	18.76	19.57	20.04
	6H	18.72	19.41	19.22	19.90	20.37	18.67	19.36	19.17	19.85	20.33
	8H	18.80	19.42	19.31	19.92	20.41	18.75	19.37	19.27	19.88	20.36
	12H	18.84	19.38	19.34	19.87	20.43	18.79	19.33	19.30	19.82	20.39
12H	4H	18.34	19.08	18.82	19.56	20.03	18.30	19.04	18.78	19.52	19.99
	6H	18.72	19.34	19.23	19.85	20.33	18.67	19.29	19.18	19.80	20.28
	8H	18.83	19.37	19.34	19.87	20.43	18.79	19.33	19.29	19.82	20.38