

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: P997279

Luminaire Tested: FSP-14-L3C3-CA08-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997279
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-CA08-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

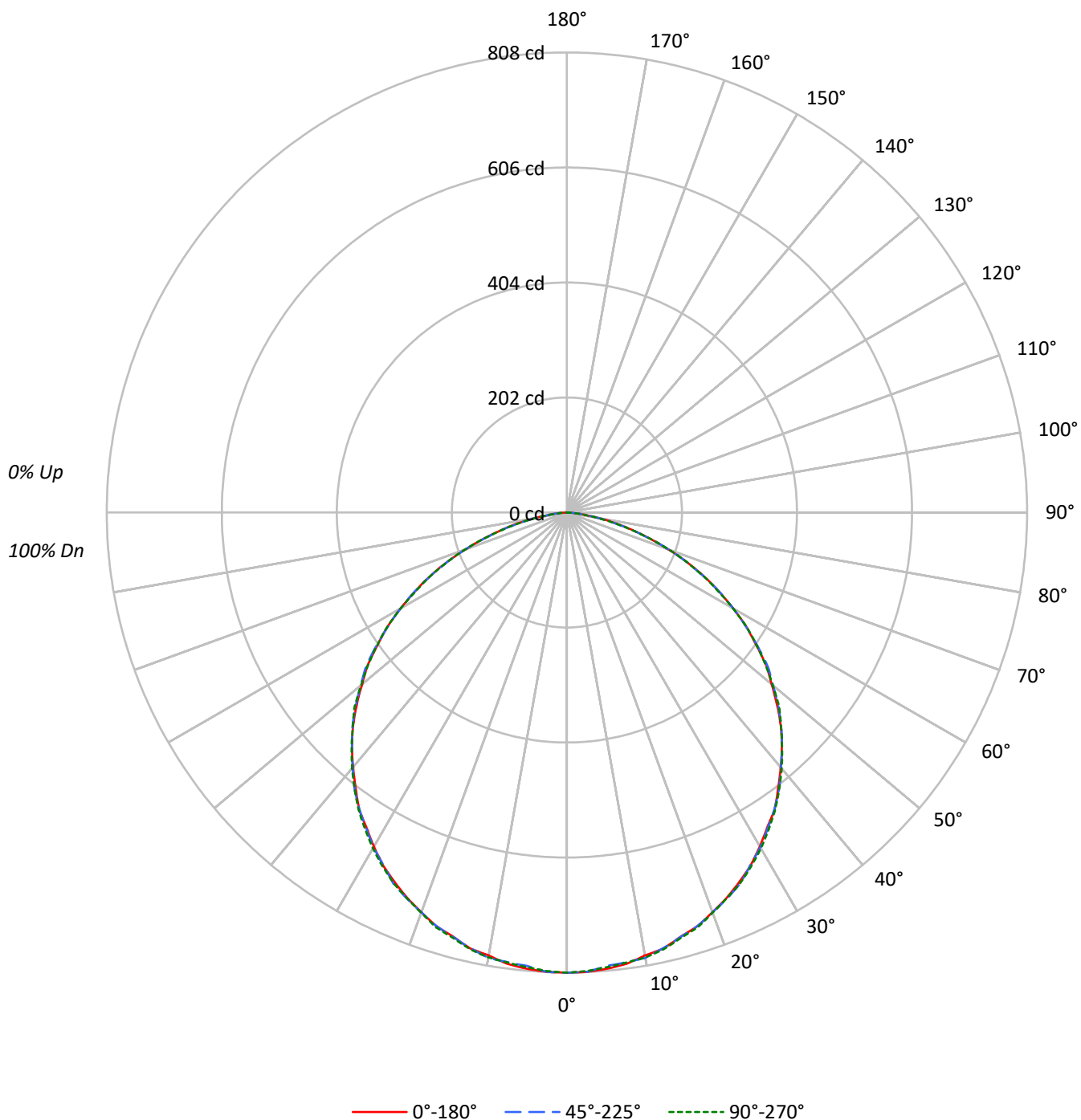
Lumens per Lamp: N/A
Luminaire Lumens: 2207.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
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°	2808	2808	2808
5°	2807	2789	2796
10°	2788	2803	2801
15°	2774	2777	2782
20°	2763	2763	2766
25°	2746	2759	2757
30°	2719	2725	2734
35°	2699	2696	2705
40°	2649	2653	2662
45°	2610	2617	2613
50°	2538	2553	2549
55°	2457	2475	2466
60°	2345	2345	2339
65°	2190	2177	2177
70°	1924	1931	1938
75°	1598	1588	1578
80°	1133	1133	1103
85°	578	550	550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.5
10°-20°	218.7	9.9
20°-30°	330.9	15.0
30°-40°	397.7	18.0
40°-50°	410.4	18.6
50°-60°	364.0	16.5
60°-70°	261.6	11.9
70°-80°	126.2	5.7
80°-90°	21.1	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°	626.0	28.4
0°-40°	1023.6	46.4
0°-60°	1798.0	81.5
0°-90°	2207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	805	805	800	805	802	76
15°	771	776	772	778	773	218
25°	716	718	720	720	719	330
35°	636	636	636	637	638	396
45°	531	532	532	533	532	409
55°	406	408	408	408	407	363
65°	266	267	265	263	265	262
75°	119	118	118	118	118	127
85°	14	14	14	14	14	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.2	808.2	808.2	808.2	808.2
2.5°	807.5	809.7	807.5	809.0	806.0
5°	804.6	804.6	799.5	805.3	801.7
7.5°	799.5	800.2	796.6	802.4	797.3
10°	790.1	795.2	794.4	796.6	793.7
12.5°	784.3	786.5	783.6	787.9	785.7
15°	771.2	776.3	771.9	777.8	773.4
17.5°	761.8	762.5	761.8	764.7	764.0
20°	747.3	748.7	747.3	752.4	748.0
22.5°	732.8	734.2	734.2	736.4	733.5
25°	716.1	717.5	719.7	719.7	719.0
27.5°	698.7	697.9	697.9	703.0	700.8
30°	677.6	680.5	679.1	682.7	681.3
32.5°	655.1	658.0	656.6	660.2	659.5
35°	636.3	636.3	635.6	637.0	637.7
37.5°	609.4	610.2	612.3	613.8	612.3
40°	584.0	586.2	584.8	586.2	586.9
42.5°	558.6	560.8	558.6	562.3	559.4
45°	531.1	531.8	532.5	533.3	531.8
47.5°	500.6	504.2	503.5	505.0	505.7
50°	469.4	474.5	472.3	473.8	471.6
52.5°	441.1	441.1	444.7	440.4	439.7
55°	405.6	408.5	408.5	407.7	407.0
57.5°	373.6	375.1	372.2	373.6	374.4
60°	337.4	338.8	337.4	336.6	336.6
62.5°	301.1	302.5	302.5	301.8	299.6
65°	266.3	267.0	264.8	262.6	264.8
67.5°	228.5	227.8	227.8	226.4	227.8
70°	189.4	191.5	190.1	188.6	190.8
72.5°	153.1	154.5	152.4	151.6	153.1
75°	119.0	117.5	118.3	118.3	117.5
77.5°	87.8	85.6	84.2	84.2	84.9
80°	56.6	55.9	56.6	55.1	55.1
82.5°	31.9	31.9	31.9	31.9	32.6
85°	14.5	13.8	13.8	14.5	13.8
87.5°	3.6	3.6	4.4	3.6	3.6
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	15.37	16.98	15.73	17.29	17.61	15.34	16.96	15.71	17.27	17.59
	3H	16.92	18.38	17.30	18.71	19.07	16.90	18.35	17.28	18.68	19.04
	4H	17.40	18.77	17.80	19.12	19.49	17.37	18.74	17.77	19.09	19.47
	6H	17.66	18.93	18.07	19.29	19.68	17.62	18.88	18.03	19.25	19.64
	8H	17.70	18.91	18.12	19.30	19.70	17.66	18.87	18.08	19.26	19.65
	12H	17.70	18.86	18.13	19.24	19.67	17.66	18.82	18.09	19.20	19.63
4H	2H	15.94	17.31	16.34	17.66	18.03	15.92	17.29	16.32	17.64	18.01
	3H	17.69	18.83	18.10	19.23	19.63	17.66	18.80	18.07	19.20	19.60
	4H	18.26	19.29	18.69	19.70	20.14	18.23	19.26	18.67	19.68	20.11
	6H	18.60	19.50	19.06	19.94	20.39	18.56	19.45	19.02	19.90	20.35
	8H	18.66	19.49	19.12	19.94	20.40	18.62	19.45	19.08	19.90	20.36
	12H	18.68	19.43	19.16	19.90	20.37	18.64	19.39	19.12	19.86	20.33
8H	4H	18.46	19.30	18.92	19.74	20.20	18.44	19.27	18.90	19.72	20.18
	6H	18.86	19.55	19.36	20.04	20.52	18.82	19.51	19.32	20.00	20.48
	8H	18.95	19.56	19.46	20.07	20.56	18.91	19.53	19.42	20.04	20.52
	12H	18.99	19.53	19.50	20.03	20.59	18.95	19.50	19.46	19.99	20.55
12H	4H	18.46	19.21	18.94	19.69	20.16	18.44	19.19	18.92	19.67	20.14
	6H	18.86	19.48	19.37	19.99	20.48	18.83	19.45	19.34	19.95	20.44
	8H	18.98	19.53	19.49	20.02	20.58	18.95	19.49	19.46	19.98	20.55