

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: P997288

Luminaire Tested: FSP-14-L3C3-CA125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997288
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-CA125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

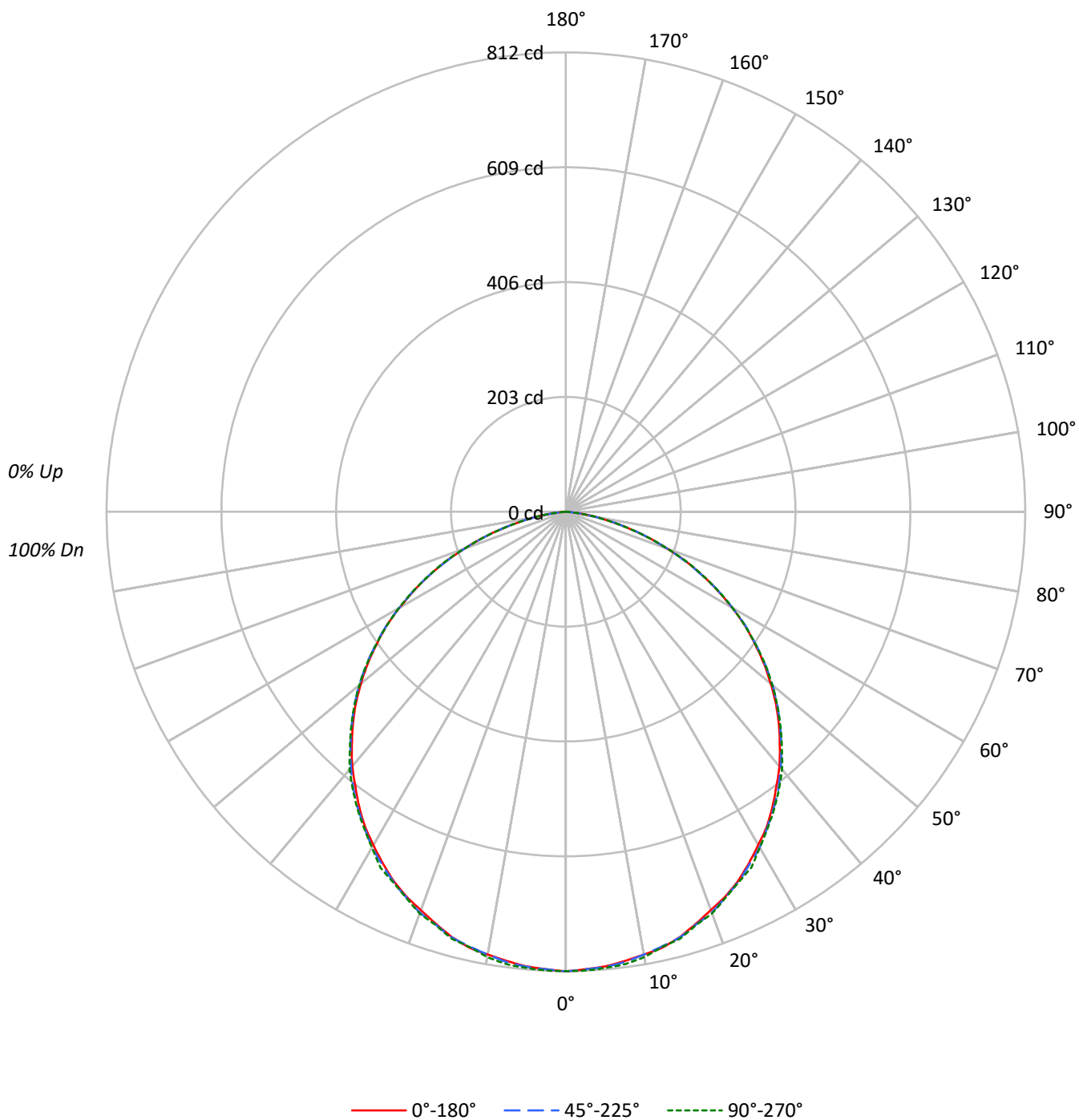
Lumens per Lamp: N/A
Luminaire Lumens: 2220.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	2823	2823	2823
5°	2813	2816	2823
10°	2805	2805	2820
15°	2800	2802	2810
20°	2770	2789	2794
25°	2761	2767	2770
30°	2730	2750	2750
35°	2701	2717	2723
40°	2665	2681	2698
45°	2616	2634	2637
50°	2556	2580	2576
55°	2474	2487	2483
60°	2359	2364	2369
65°	2195	2189	2200
70°	1938	1946	1946
75°	1587	1596	1578
80°	1133	1103	1103
85°	522	522	490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	3.5
10°-20°	219.7	9.9
20°-30°	332.6	15.0
30°-40°	400.5	18.0
40°-50°	413.1	18.6
50°-60°	366.7	16.5
60°-70°	263.7	11.9
70°-80°	126.9	5.7
80°-90°	20.2	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°	629.0	28.3
0°-40°	1029.5	46.4
0°-60°	1809.2	81.5
0°-90°	2220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	806	809	807	806	809	77
15°	778	780	779	778	781	219
25°	720	722	722	722	722	331
35°	637	638	640	642	642	398
45°	532	536	536	537	537	411
55°	408	413	410	414	410	365
65°	267	267	266	267	268	264
75°	118	120	119	118	118	127
85°	13	13	13	12	12	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.3	812.3	812.3	812.3	812.3
2.5°	809.4	812.3	809.4	808.7	811.6
5°	806.5	808.7	807.2	806.5	809.4
7.5°	800.7	804.3	802.9	802.2	806.5
10°	794.9	797.8	794.9	797.1	799.3
12.5°	789.1	791.3	786.9	789.8	787.7
15°	778.2	780.4	779.0	777.5	781.1
17.5°	763.7	767.4	765.2	767.4	765.9
20°	749.2	752.1	754.3	752.8	755.7
22.5°	736.2	737.6	737.6	739.1	738.3
25°	720.2	722.4	721.7	722.4	722.4
27.5°	700.6	702.1	702.8	704.3	709.3
30°	680.3	683.2	685.4	686.1	685.4
32.5°	660.7	662.2	662.2	665.1	663.6
35°	636.8	638.3	640.4	641.9	641.9
37.5°	611.4	613.6	617.2	618.7	618.7
40°	587.5	589.7	591.1	596.2	594.7
42.5°	559.9	564.3	563.5	564.3	565.0
45°	532.4	536.0	536.0	536.7	536.7
47.5°	504.1	507.0	507.0	507.0	507.0
50°	472.9	474.3	477.2	475.1	476.5
52.5°	441.7	444.6	444.6	443.1	444.6
55°	408.3	412.7	410.5	414.1	409.8
57.5°	376.4	377.1	377.1	376.4	375.7
60°	339.4	342.3	340.2	338.7	340.9
62.5°	303.2	304.6	304.6	303.9	304.6
65°	266.9	266.9	266.2	266.9	267.6
67.5°	230.6	230.6	228.5	227.0	231.4
70°	190.8	192.9	191.5	191.5	191.5
72.5°	155.2	153.8	154.5	153.0	153.8
75°	118.2	119.7	118.9	117.5	117.5
77.5°	84.9	87.0	85.6	84.9	85.6
80°	56.6	55.8	55.1	55.1	55.1
82.5°	32.6	31.2	31.2	30.5	30.5
85°	13.1	13.1	13.1	12.3	12.3
87.5°	2.9	2.9	2.9	2.2	2.9
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	15.39	17.00	15.75	17.32	17.63	15.37	16.99	15.74	17.30	17.61
	3H	16.95	18.41	17.33	18.74	19.10	16.93	18.39	17.31	18.71	19.07
	4H	17.43	18.80	17.83	19.14	19.52	17.40	18.77	17.80	19.12	19.49
	6H	17.68	18.94	18.09	19.31	19.70	17.65	18.91	18.06	19.28	19.67
	8H	17.71	18.92	18.14	19.31	19.71	17.68	18.89	18.10	19.28	19.67
	12H	17.72	18.87	18.15	19.26	19.68	17.68	18.83	18.11	19.22	19.65
4H	2H	15.96	17.33	16.36	17.68	18.05	15.95	17.31	16.35	17.66	18.04
	3H	17.72	18.86	18.13	19.25	19.65	17.70	18.84	18.11	19.23	19.63
	4H	18.29	19.32	18.72	19.73	20.17	18.26	19.29	18.69	19.70	20.14
	6H	18.62	19.51	19.08	19.96	20.41	18.58	19.48	19.04	19.92	20.38
	8H	18.68	19.51	19.14	19.96	20.42	18.64	19.47	19.10	19.91	20.38
	12H	18.70	19.44	19.18	19.92	20.39	18.65	19.40	19.13	19.87	20.34
8H	4H	18.49	19.33	18.95	19.77	20.24	18.46	19.30	18.92	19.74	20.21
	6H	18.88	19.57	19.38	20.06	20.54	18.85	19.54	19.34	20.02	20.50
	8H	18.96	19.58	19.48	20.09	20.58	18.92	19.54	19.43	20.05	20.53
	12H	19.00	19.55	19.51	20.04	20.60	18.95	19.50	19.46	19.99	20.55
12H	4H	18.49	19.24	18.98	19.72	20.19	18.47	19.21	18.95	19.69	20.16
	6H	18.88	19.50	19.39	20.01	20.49	18.85	19.47	19.36	19.97	20.46
	8H	19.00	19.54	19.51	20.03	20.60	18.96	19.50	19.46	19.99	20.55