

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: P997282

Luminaire Tested: FSP-14-L3C3-CA125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997282
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-CA125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

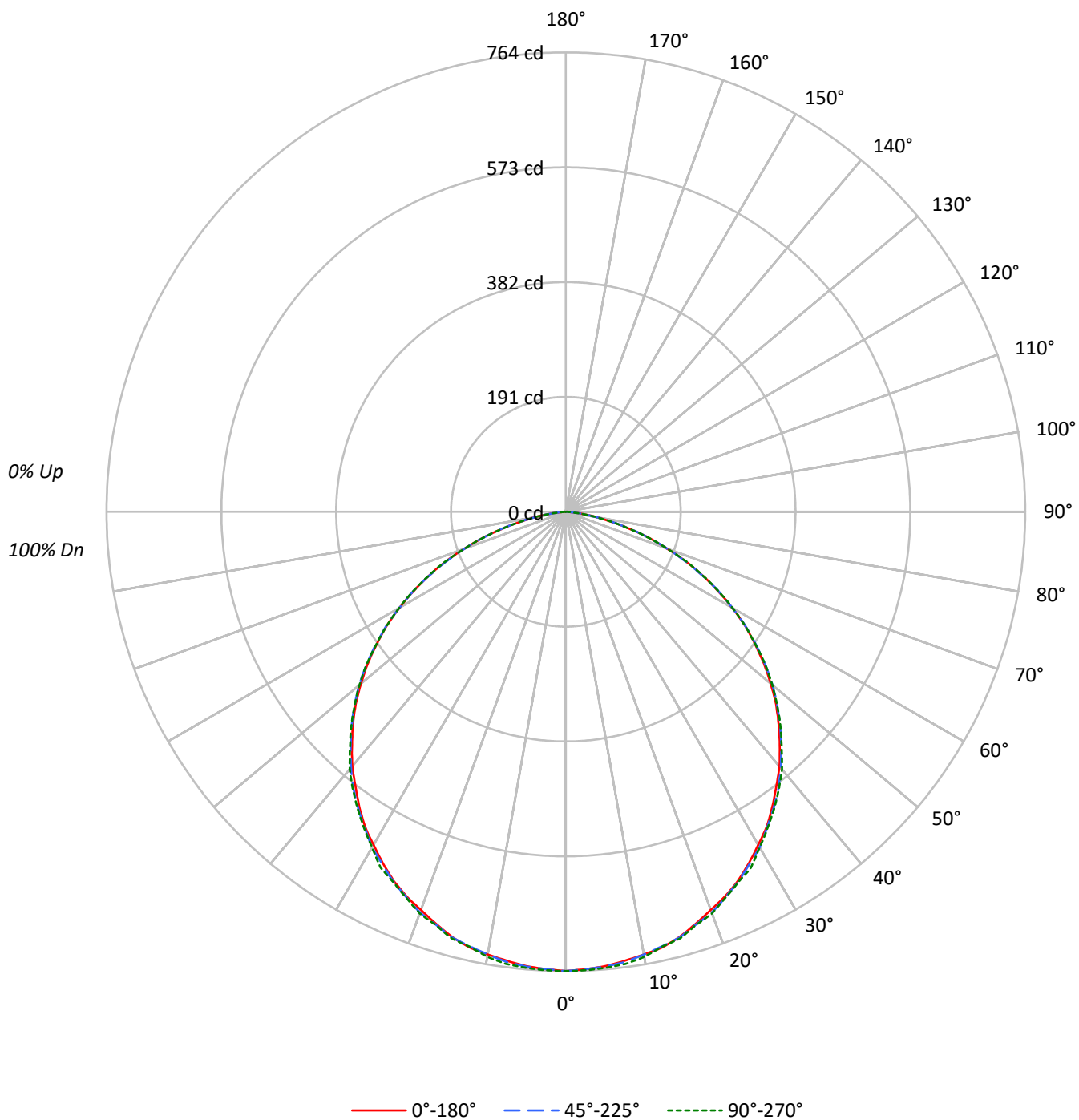
Lumens per Lamp: N/A
Luminaire Lumens: 2088.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997282

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997282

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-LOW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2655	2655	2655
5°	2646	2648	2656
10°	2638	2638	2652
15°	2633	2635	2643
20°	2606	2623	2628
25°	2597	2602	2605
30°	2568	2586	2586
35°	2541	2555	2561
40°	2507	2522	2537
45°	2461	2477	2481
50°	2405	2427	2423
55°	2327	2339	2335
60°	2219	2223	2228
65°	2064	2059	2070
70°	1823	1830	1830
75°	1493	1502	1484
80°	1065	1037	1037
85°	490	490	462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2481 cd/sqm

TEST NUMBER: P997282

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	3.5
10°-20°	206.6	9.9
20°-30°	312.8	15.0
30°-40°	376.7	18.0
40°-50°	388.5	18.6
50°-60°	344.9	16.5
60°-70°	248.0	11.9
70°-80°	119.3	5.7
80°-90°	19.0	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°	591.6	28.3
0°-40°	968.3	46.4
0°-60°	1701.6	81.5
0°-90°	2088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	759	761	759	759	761	72
15°	732	734	733	731	735	206
25°	677	679	679	679	679	312
35°	599	600	602	604	604	375
45°	501	504	504	505	505	386
55°	384	388	386	390	385	343
65°	251	251	250	251	252	248
75°	111	113	112	110	110	119
85°	12	12	12	12	12	20
90°	0	0	0	0	0	

TEST NUMBER: P997282

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	764.0	764.0	764.0	764.0	764.0
2.5°	761.3	764.0	761.3	760.6	763.3
5°	758.6	760.6	759.2	758.6	761.3
7.5°	753.1	756.5	755.2	754.5	758.6
10°	747.6	750.4	747.6	749.7	751.7
12.5°	742.2	744.2	740.1	742.9	740.8
15°	732.0	734.0	732.6	731.3	734.7
17.5°	718.3	721.7	719.7	721.7	720.4
20°	704.7	707.4	709.4	708.1	710.8
22.5°	692.4	693.8	693.8	695.1	694.4
25°	677.4	679.4	678.7	679.4	679.4
27.5°	659.0	660.3	661.0	662.4	667.2
30°	639.9	642.6	644.6	645.3	644.6
32.5°	621.4	622.8	622.8	625.5	624.2
35°	598.9	600.3	602.3	603.7	603.7
37.5°	575.1	577.1	580.5	581.9	581.9
40°	552.6	554.6	556.0	560.7	559.4
42.5°	526.6	530.7	530.0	530.7	531.4
45°	500.7	504.1	504.1	504.8	504.8
47.5°	474.1	476.8	476.8	476.8	476.8
50°	444.8	446.1	448.9	446.8	448.2
52.5°	415.4	418.2	418.2	416.8	418.2
55°	384.1	388.1	386.1	389.5	385.4
57.5°	354.0	354.7	354.7	354.0	353.4
60°	319.3	322.0	319.9	318.6	320.6
62.5°	285.1	286.5	286.5	285.8	286.5
65°	251.0	251.0	250.4	251.0	251.7
67.5°	216.9	216.9	214.9	213.5	217.6
70°	179.4	181.5	180.1	180.1	180.1
72.5°	146.0	144.6	145.3	143.9	144.6
75°	111.2	112.6	111.9	110.5	110.5
77.5°	79.8	81.9	80.5	79.8	80.5
80°	53.2	52.5	51.8	51.8	51.8
82.5°	30.7	29.3	29.3	28.7	28.7
85°	12.3	12.3	12.3	11.6	11.6
87.5°	2.7	2.7	2.7	2.0	2.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997282

CATALOG NUMBER: FSP-14-L3C3-CA125-3000K-LOW

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	15.17	16.79	15.54	17.10	17.42	15.16	16.77	15.52	17.09	17.40
	3H	16.74	18.20	17.12	18.52	18.88	16.72	18.17	17.10	18.50	18.86
	4H	17.22	18.58	17.61	18.93	19.31	17.19	18.55	17.59	18.90	19.28
	6H	17.46	18.73	17.87	19.09	19.48	17.43	18.70	17.84	19.06	19.45
	8H	17.50	18.71	17.93	19.10	19.50	17.47	18.67	17.89	19.06	19.46
	12H	17.50	18.66	17.93	19.04	19.47	17.47	18.62	17.90	19.00	19.43
4H	2H	15.75	17.12	16.15	17.46	17.84	15.73	17.10	16.13	17.45	17.83
	3H	17.50	18.64	17.91	19.04	19.44	17.48	18.62	17.89	19.02	19.42
	4H	18.08	19.10	18.51	19.52	19.95	18.05	19.07	18.48	19.49	19.92
	6H	18.41	19.30	18.86	19.74	20.20	18.37	19.26	18.83	19.71	20.16
	8H	18.47	19.30	18.93	19.74	20.21	18.42	19.26	18.88	19.70	20.17
	12H	18.48	19.23	18.96	19.71	20.18	18.43	19.18	18.92	19.66	20.13
8H	4H	18.28	19.11	18.74	19.56	20.02	18.25	19.09	18.71	19.53	19.99
	6H	18.67	19.36	19.16	19.85	20.32	18.63	19.32	19.13	19.81	20.29
	8H	18.75	19.37	19.26	19.88	20.36	18.71	19.33	19.22	19.83	20.32
	12H	18.79	19.33	19.30	19.82	20.39	18.74	19.29	19.25	19.78	20.34
12H	4H	18.28	19.03	18.76	19.51	19.98	18.25	19.00	18.73	19.48	19.95
	6H	18.67	19.29	19.18	19.80	20.28	18.63	19.25	19.14	19.76	20.25
	8H	18.79	19.33	19.29	19.82	20.38	18.74	19.29	19.25	19.78	20.34