

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: P997351

Luminaire Tested: FSP-22-L3C3-CP125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

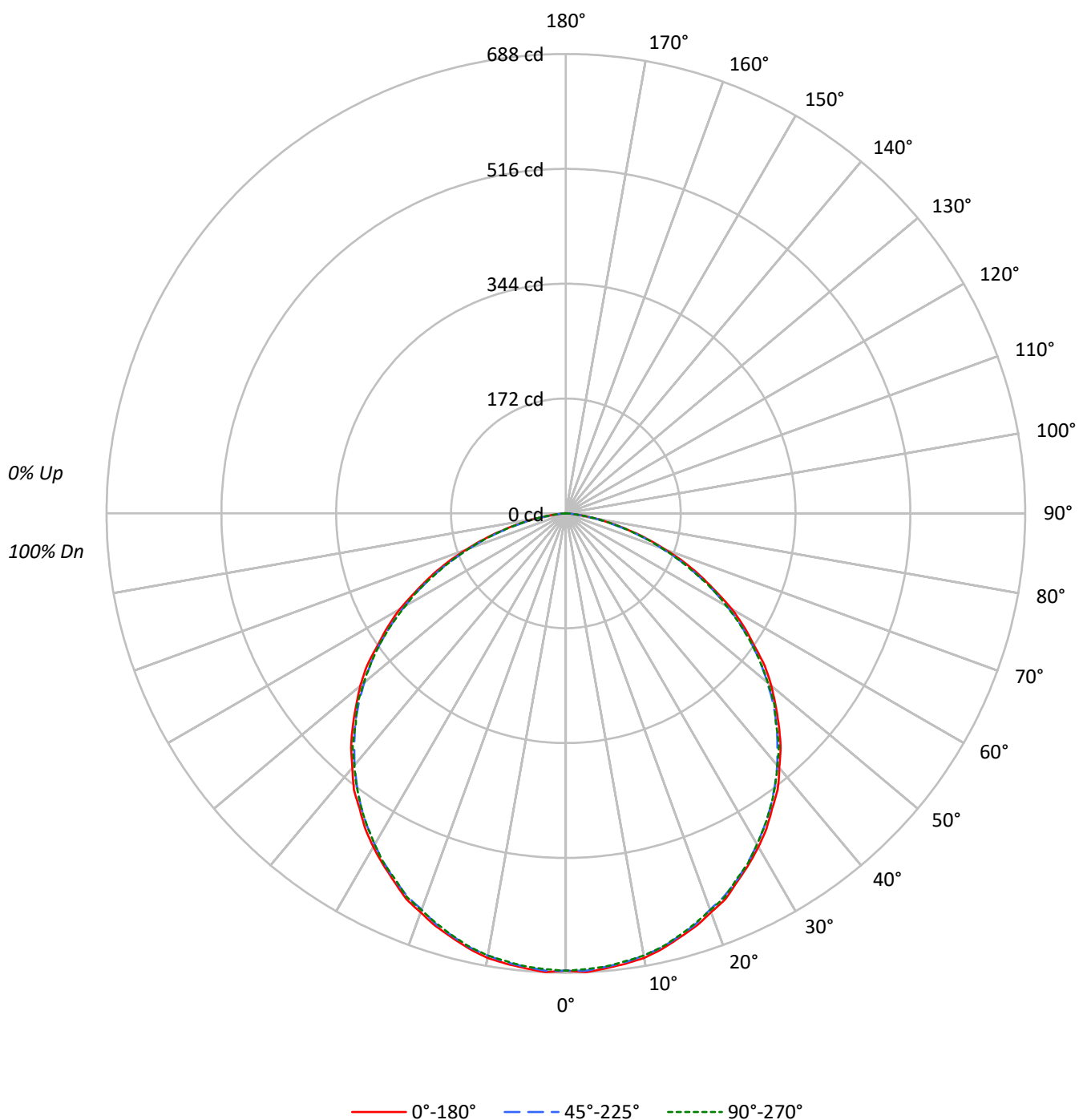
Lumens per Lamp: N/A
Luminaire Lumens: 1846.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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: P997351

CATALOG NUMBER: FSP-22-L3C3-CP125-4000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997351

CATALOG NUMBER: FSP-22-L3C3-CP125-4000K-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	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57
6	71	58	49	43	69	57	49	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2244	2244	2244
5°	2250	2243	2240
10°	2249	2237	2237
15°	2231	2224	2221
20°	2217	2202	2205
25°	2199	2191	2186
30°	2183	2166	2166
35°	2156	2141	2141
40°	2127	2106	2109
45°	2092	2068	2062
50°	2048	2007	2015
55°	1962	1937	1937
60°	1883	1830	1821
65°	1730	1679	1674
70°	1523	1468	1481
75°	1247	1191	1228
80°	866	826	866
85°	410	383	410

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2092 cd/sqm

TEST NUMBER: P997351

CATALOG NUMBER: FSP-22-L3C3-CP125-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	3.5
10°-20°	185.1	10.0
20°-30°	279.5	15.1
30°-40°	335.1	18.2
40°-50°	344.6	18.7
50°-60°	303.7	16.5
60°-70°	215.1	11.6
70°-80°	101.8	5.5
80°-90°	16.4	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°	529.4	28.7
0°-40°	864.5	46.8
0°-60°	1512.8	81.9
0°-90°	1846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	684	683	682	681	681	65
15°	658	655	656	655	655	186
25°	608	606	606	605	605	281
35°	539	537	535	535	535	338
45°	451	447	446	445	445	348
55°	344	341	339	341	339	309
65°	223	216	217	217	216	221
75°	98	93	94	94	97	105
85°	11	10	10	11	11	17
90°	0	0	0	0	0	

TEST NUMBER: P997351

CATALOG NUMBER: FSP-22-L3C3-CP125-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.8	684.8	684.8	684.8	684.8
2.5°	687.7	684.1	685.5	684.1	683.3
5°	684.1	683.3	681.9	681.2	681.2
7.5°	680.4	678.2	678.2	676.8	676.8
10°	676.0	672.4	672.4	672.4	672.4
12.5°	668.0	664.4	665.8	663.7	665.1
15°	657.8	654.9	655.6	654.9	654.9
17.5°	648.3	645.4	645.4	644.7	644.0
20°	635.9	635.9	631.6	633.8	632.3
22.5°	625.0	624.3	620.6	619.2	622.1
25°	608.2	606.0	606.0	605.3	604.6
27.5°	592.9	592.2	590.0	590.7	590.7
30°	576.9	573.9	572.5	571.0	572.5
32.5°	559.4	554.3	554.3	554.3	554.3
35°	538.9	536.8	535.3	534.6	535.3
37.5°	521.4	517.8	514.1	513.4	514.9
40°	497.4	494.5	492.3	493.0	493.0
42.5°	476.2	471.8	468.9	471.1	472.6
45°	451.4	447.1	446.3	444.9	444.9
47.5°	425.9	423.0	420.8	420.1	423.7
50°	401.8	396.0	393.8	393.8	395.3
52.5°	375.6	369.7	367.6	368.3	367.6
55°	343.5	340.6	339.1	340.6	339.1
57.5°	316.5	311.4	309.9	309.9	309.2
60°	287.3	280.0	279.3	278.6	277.9
62.5°	253.1	248.7	248.0	248.0	249.4
65°	223.2	215.9	216.6	217.3	215.9
67.5°	192.5	185.2	185.2	186.0	185.2
70°	159.0	152.4	153.2	154.6	154.6
72.5°	128.4	123.2	124.0	124.0	124.7
75°	98.5	92.6	94.1	94.1	97.0
77.5°	70.7	66.4	67.1	68.6	69.3
80°	45.9	43.0	43.8	44.5	45.9
82.5°	25.5	24.8	24.8	25.5	25.5
85°	10.9	10.2	10.2	10.9	10.9
87.5°	2.9	2.9	2.2	2.2	2.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997351

CATALOG NUMBER: FSP-22-L3C3-CP125-4000K-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	14.52	16.13	14.89	16.44	16.76	14.46	16.07	14.83	16.39	16.70
	3H	16.05	17.50	16.43	17.82	18.19	15.98	17.43	16.36	17.75	18.11
	4H	16.51	17.87	16.91	18.22	18.60	16.44	17.80	16.84	18.15	18.53
	6H	16.75	18.01	17.16	18.37	18.76	16.68	17.94	17.10	18.31	18.70
	8H	16.78	17.99	17.21	18.37	18.77	16.72	17.92	17.15	18.31	18.71
	12H	16.79	17.93	17.21	18.32	18.75	16.72	17.87	17.15	18.25	18.68
4H	2H	15.07	16.43	15.47	16.78	17.16	15.02	16.39	15.42	16.73	17.11
	3H	16.78	17.91	17.18	18.31	18.71	16.73	17.86	17.14	18.26	18.66
	4H	17.32	18.34	17.75	18.75	19.19	17.28	18.30	17.71	18.71	19.15
	6H	17.63	18.52	18.09	18.96	19.42	17.60	18.49	18.06	18.93	19.39
	8H	17.68	18.51	18.15	18.96	19.42	17.66	18.49	18.12	18.93	19.40
	12H	17.70	18.44	18.18	18.92	19.39	17.67	18.42	18.15	18.89	19.36
8H	4H	17.50	18.33	17.97	18.78	19.24	17.47	18.30	17.93	18.74	19.21
	6H	17.87	18.56	18.37	19.04	19.52	17.85	18.53	18.34	19.02	19.50
	8H	17.95	18.56	18.46	19.07	19.55	17.93	18.54	18.44	19.05	19.54
	12H	17.98	18.52	18.49	19.01	19.58	17.96	18.51	18.47	19.00	19.56
12H	4H	17.51	18.25	17.99	18.73	19.19	17.47	18.21	17.95	18.69	19.16
	6H	17.87	18.48	18.38	18.99	19.48	17.84	18.46	18.36	18.97	19.45
	8H	17.98	18.52	18.49	19.01	19.57	17.96	18.50	18.47	18.99	19.55