

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: P997342

Luminaire Tested: FSP-22-L3C3-CA125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

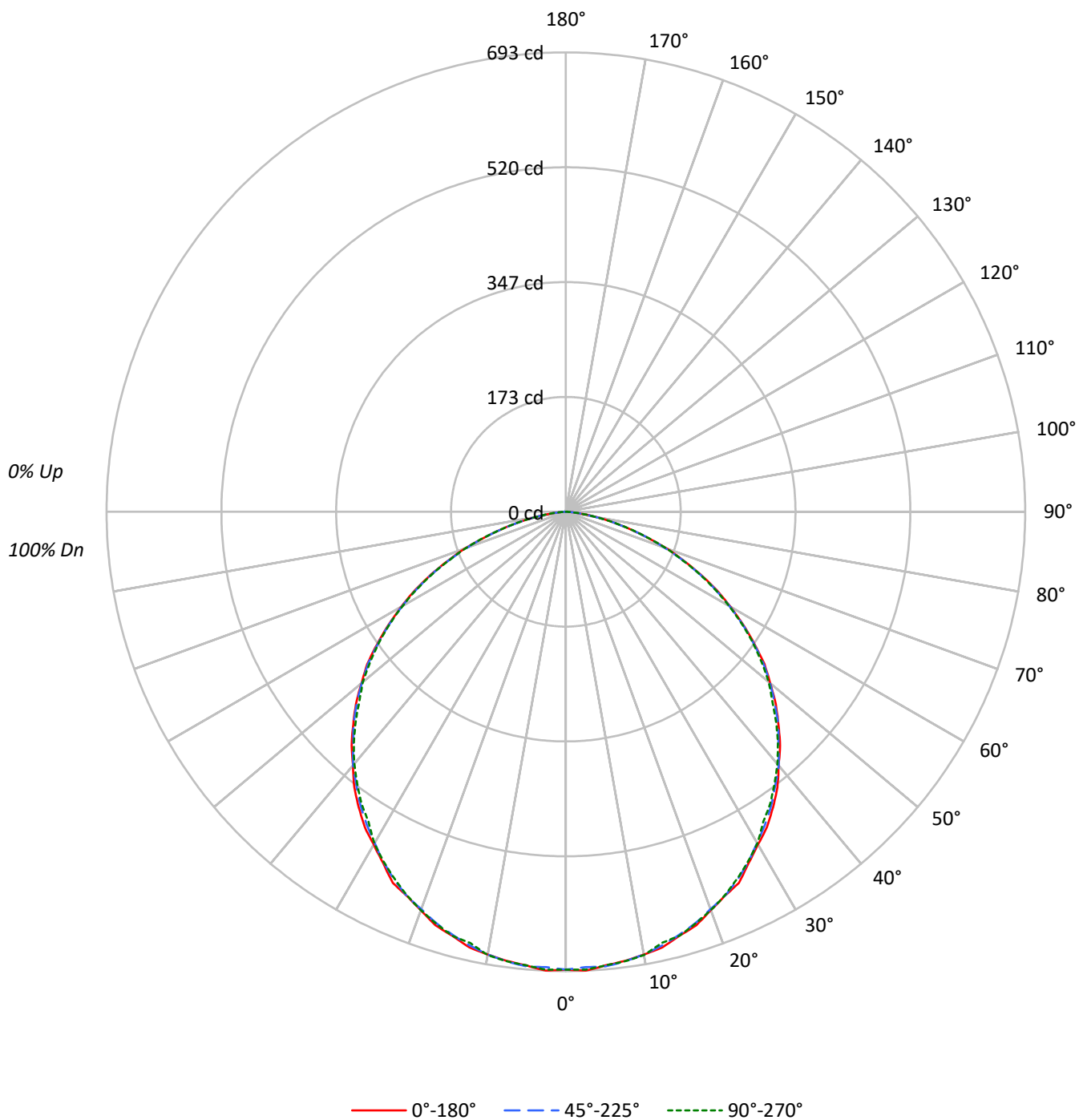
Lumens per Lamp: N/A
Luminaire Lumens: 1872.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997342

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997342

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-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		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	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	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2263	2263	2263
5°	2259	2264	2259
10°	2256	2256	2259
15°	2246	2241	2246
20°	2230	2225	2230
25°	2233	2215	2209
30°	2193	2182	2185
35°	2179	2162	2150
40°	2136	2136	2124
45°	2102	2099	2078
50°	2052	2048	2037
55°	1983	1975	1966
60°	1878	1874	1864
65°	1741	1730	1724
70°	1551	1523	1544
75°	1246	1237	1246
80°	894	866	866
85°	440	440	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2102 cd/sqm

TEST NUMBER: P997342

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	3.5
10°-20°	186.6	10.0
20°-30°	281.8	15.1
30°-40°	338.0	18.1
40°-50°	348.1	18.6
50°-60°	308.3	16.5
60°-70°	220.5	11.8
70°-80°	105.5	5.6
80°-90°	17.9	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°	533.8	28.5
0°-40°	871.8	46.6
0°-60°	1528.1	81.6
0°-90°	1872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	687	686	688	687	687	65
15°	662	662	661	661	662	187
25°	618	613	613	610	611	283
35°	545	542	540	539	537	340
45°	454	453	453	451	448	350
55°	347	346	346	344	344	310
65°	225	223	223	223	222	222
75°	98	98	98	98	98	106
85°	12	12	12	12	12	18
90°	0	0	0	0	0	

TEST NUMBER: P997342

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.6	690.6	690.6	690.6	690.6
2.5°	692.8	690.6	687.7	689.9	691.3
5°	686.9	686.2	688.4	686.9	686.9
7.5°	683.3	684.8	684.0	684.0	684.0
10°	678.2	678.2	678.2	677.5	678.9
12.5°	673.1	669.4	670.2	670.2	666.5
15°	662.1	662.1	660.7	660.7	662.1
17.5°	654.1	652.7	650.5	650.5	651.2
20°	639.5	639.5	638.1	636.6	639.5
22.5°	627.1	630.1	627.1	624.2	626.4
25°	617.7	613.3	612.6	610.4	611.1
27.5°	597.2	595.1	595.8	594.3	595.1
30°	579.7	578.3	576.8	575.4	577.6
32.5°	564.4	563.0	559.3	558.6	554.2
35°	544.7	541.8	540.4	538.9	537.4
37.5°	524.3	521.4	519.2	518.5	517.0
40°	499.5	498.1	499.5	495.9	496.6
42.5°	478.4	476.9	474.7	473.3	473.3
45°	453.6	452.9	452.9	450.7	448.5
47.5°	429.5	428.8	427.3	424.4	422.2
50°	402.5	403.3	401.8	398.9	399.6
52.5°	377.7	373.4	375.6	372.6	371.9
55°	347.1	345.7	345.7	343.5	344.2
57.5°	317.2	317.2	315.8	315.8	315.0
60°	286.6	285.9	285.9	285.1	284.4
62.5°	256.7	256.0	254.5	254.5	253.8
65°	224.6	223.1	223.1	223.1	222.4
67.5°	192.5	191.1	190.3	190.3	189.6
70°	161.9	159.7	159.0	159.0	161.2
72.5°	127.6	128.3	127.6	128.3	129.1
75°	98.4	98.4	97.7	97.7	98.4
77.5°	71.5	71.5	71.5	71.5	72.2
80°	47.4	45.9	45.9	45.9	45.9
82.5°	26.3	26.3	26.3	27.0	27.7
85°	11.7	11.7	11.7	11.7	11.7
87.5°	4.4	4.4	4.4	4.4	3.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997342

CATALOG NUMBER: FSP-22-L3C3-CA125-4000K-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	14.58	16.19	14.94	16.50	16.82	14.54	16.15	14.91	16.47	16.78
	3H	16.12	17.57	16.50	17.90	18.26	16.08	17.53	16.46	17.86	18.22
	4H	16.58	17.95	16.98	18.30	18.67	16.55	17.91	16.95	18.26	18.64
	6H	16.83	18.09	17.24	18.46	18.85	16.80	18.06	17.21	18.42	18.82
	8H	16.87	18.07	17.29	18.46	18.86	16.84	18.04	17.26	18.43	18.83
	12H	16.87	18.02	17.30	18.40	18.83	16.84	18.00	17.27	18.38	18.81
4H	2H	15.14	16.51	15.54	16.86	17.23	15.12	16.48	15.52	16.83	17.21
	3H	16.87	18.01	17.28	18.41	18.81	16.84	17.98	17.25	18.38	18.78
	4H	17.43	18.46	17.86	18.87	19.31	17.40	18.43	17.83	18.84	19.28
	6H	17.76	18.65	18.21	19.09	19.55	17.73	18.62	18.19	19.06	19.52
	8H	17.81	18.65	18.27	19.09	19.55	17.79	18.62	18.25	19.07	19.53
	12H	17.83	18.58	18.31	19.05	19.52	17.81	18.56	18.29	19.03	19.50
8H	4H	17.63	18.46	18.09	18.90	19.37	17.60	18.43	18.06	18.88	19.34
	6H	18.01	18.70	18.51	19.19	19.67	17.99	18.68	18.48	19.17	19.64
	8H	18.09	18.71	18.60	19.22	19.70	18.07	18.69	18.59	19.20	19.69
	12H	18.13	18.68	18.64	19.17	19.73	18.12	18.66	18.63	19.15	19.71
12H	4H	17.63	18.38	18.11	18.85	19.32	17.60	18.35	18.08	18.83	19.30
	6H	18.01	18.63	18.52	19.14	19.62	17.99	18.61	18.50	19.11	19.60
	8H	18.13	18.67	18.64	19.16	19.72	18.11	18.65	18.62	19.14	19.71