

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: P997339

Luminaire Tested: FSP-22-L3C3-CA125-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997339
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-CA125-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

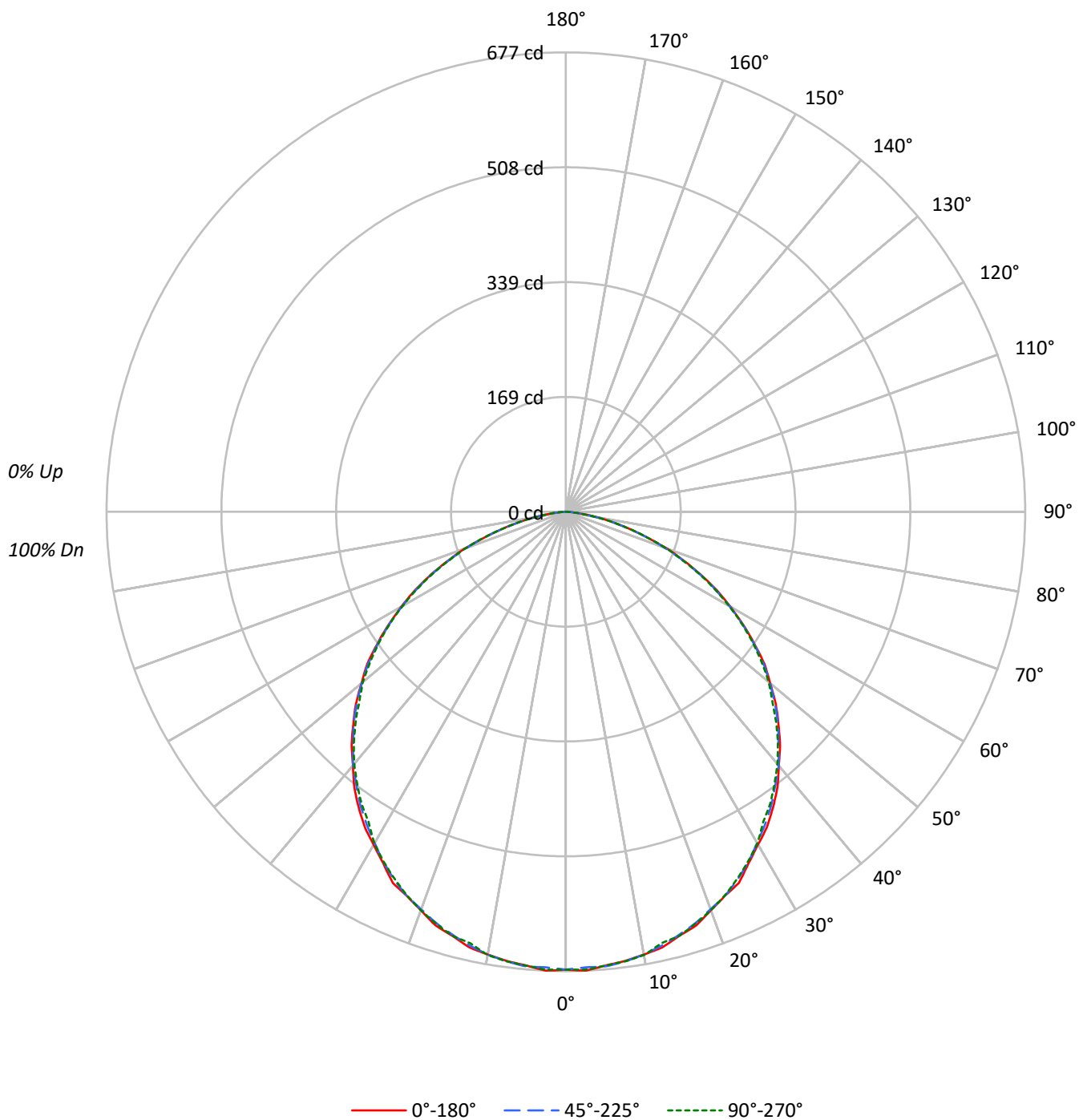
Lumens per Lamp: N/A
Luminaire Lumens: 1829.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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: P997339

CATALOG NUMBER: FSP-22-L3C3-CA125-3500K-LOW

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
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°	2211	2211	2211
5°	2208	2212	2208
10°	2205	2205	2207
15°	2194	2190	2194
20°	2179	2174	2179
25°	2182	2164	2159
30°	2143	2132	2135
35°	2129	2112	2100
40°	2088	2088	2075
45°	2054	2050	2030
50°	2005	2001	1990
55°	1937	1929	1921
60°	1835	1830	1821
65°	1701	1690	1685
70°	1516	1488	1509
75°	1218	1209	1218
80°	874	847	847
85°	429	429	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2054 cd/sqm

TEST NUMBER: P997339

CATALOG NUMBER: FSP-22-L3C3-CA125-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.5
10°-20°	182.3	10.0
20°-30°	275.4	15.1
30°-40°	330.2	18.1
40°-50°	340.1	18.6
50°-60°	301.2	16.5
60°-70°	215.4	11.8
70°-80°	103.1	5.6
80°-90°	17.4	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°	521.5	28.5
0°-40°	851.7	46.6
0°-60°	1493.0	81.6
0°-90°	1829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	671	670	673	671	671	64
15°	647	647	646	646	647	183
25°	604	599	598	596	597	276
35°	532	529	528	526	525	332
45°	443	442	442	440	438	342
55°	339	338	338	336	336	303
65°	219	218	218	218	217	217
75°	96	96	96	96	96	103
85°	11	11	11	11	11	18
90°	0	0	0	0	0	

TEST NUMBER: P997339

CATALOG NUMBER: FSP-22-L3C3-CA125-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	674.7	674.7	674.7	674.7	674.7
2.5°	676.9	674.7	671.9	674.0	675.4
5°	671.2	670.5	672.6	671.2	671.2
7.5°	667.6	669.0	668.3	668.3	668.3
10°	662.6	662.6	662.6	661.9	663.3
12.5°	657.6	654.1	654.8	654.8	651.2
15°	646.9	646.9	645.5	645.5	646.9
17.5°	639.1	637.7	635.5	635.5	636.3
20°	624.9	624.9	623.4	622.0	624.9
22.5°	612.7	615.6	612.7	609.9	612.0
25°	603.5	599.2	598.5	596.4	597.1
27.5°	583.5	581.4	582.1	580.7	581.4
30°	566.4	565.0	563.6	562.2	564.3
32.5°	551.5	550.0	546.5	545.8	541.5
35°	532.2	529.4	528.0	526.5	525.1
37.5°	512.3	509.4	507.3	506.6	505.2
40°	488.1	486.6	488.1	484.5	485.2
42.5°	467.4	466.0	463.8	462.4	462.4
45°	443.2	442.5	442.5	440.3	438.2
47.5°	419.7	418.9	417.5	414.7	412.5
50°	393.3	394.0	392.6	389.7	390.4
52.5°	369.1	364.8	366.9	364.1	363.4
55°	339.1	337.7	337.7	335.6	336.3
57.5°	309.9	309.9	308.5	308.5	307.8
60°	280.0	279.3	279.3	278.6	277.9
62.5°	250.8	250.1	248.7	248.7	247.9
65°	219.4	218.0	218.0	218.0	217.3
67.5°	188.1	186.7	186.0	186.0	185.2
70°	158.2	156.0	155.3	155.3	157.5
72.5°	124.7	125.4	124.7	125.4	126.1
75°	96.2	96.2	95.5	95.5	96.2
77.5°	69.8	69.8	69.8	69.8	70.5
80°	46.3	44.9	44.9	44.9	44.9
82.5°	25.6	25.6	25.6	26.4	27.1
85°	11.4	11.4	11.4	11.4	11.4
87.5°	4.3	4.3	4.3	4.3	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	14.49	16.11	14.86	16.42	16.74	14.46	16.07	14.83	16.39	16.70
	3H	16.04	17.49	16.42	17.82	18.18	16.00	17.45	16.38	17.78	18.14
	4H	16.50	17.87	16.90	18.21	18.59	16.47	17.83	16.87	18.18	18.56
	6H	16.75	18.01	17.16	18.38	18.77	16.72	17.98	17.13	18.34	18.73
	8H	16.78	17.99	17.21	18.38	18.78	16.76	17.96	17.18	18.35	18.75
	12H	16.79	17.94	17.22	18.32	18.75	16.76	17.91	17.19	18.30	18.73
4H	2H	15.06	16.43	15.46	16.78	17.15	15.04	16.40	15.43	16.75	17.12
	3H	16.79	17.93	17.20	18.33	18.73	16.76	17.90	17.17	18.30	18.70
	4H	17.35	18.38	17.78	18.79	19.23	17.32	18.35	17.75	18.76	19.20
	6H	17.68	18.57	18.13	19.01	19.47	17.65	18.54	18.10	18.98	19.44
	8H	17.73	18.57	18.19	19.01	19.47	17.71	18.54	18.17	18.99	19.45
	12H	17.75	18.50	18.23	18.97	19.44	17.73	18.48	18.21	18.95	19.42
8H	4H	17.55	18.38	18.01	18.82	19.29	17.52	18.35	17.98	18.80	19.26
	6H	17.93	18.62	18.43	19.11	19.59	17.91	18.60	18.40	19.08	19.56
	8H	18.01	18.63	18.52	19.14	19.62	17.99	18.61	18.51	19.12	19.60
	12H	18.05	18.60	18.56	19.09	19.65	18.04	18.58	18.54	19.07	19.63
12H	4H	17.55	18.30	18.03	18.77	19.24	17.52	18.27	18.00	18.75	19.22
	6H	17.93	18.55	18.44	19.06	19.54	17.91	18.53	18.42	19.03	19.52
	8H	18.05	18.59	18.55	19.08	19.64	18.03	18.57	18.54	19.06	19.63