

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: P997348

Luminaire Tested: FSP-22-L3C3-CP125-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997348
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-CP125-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

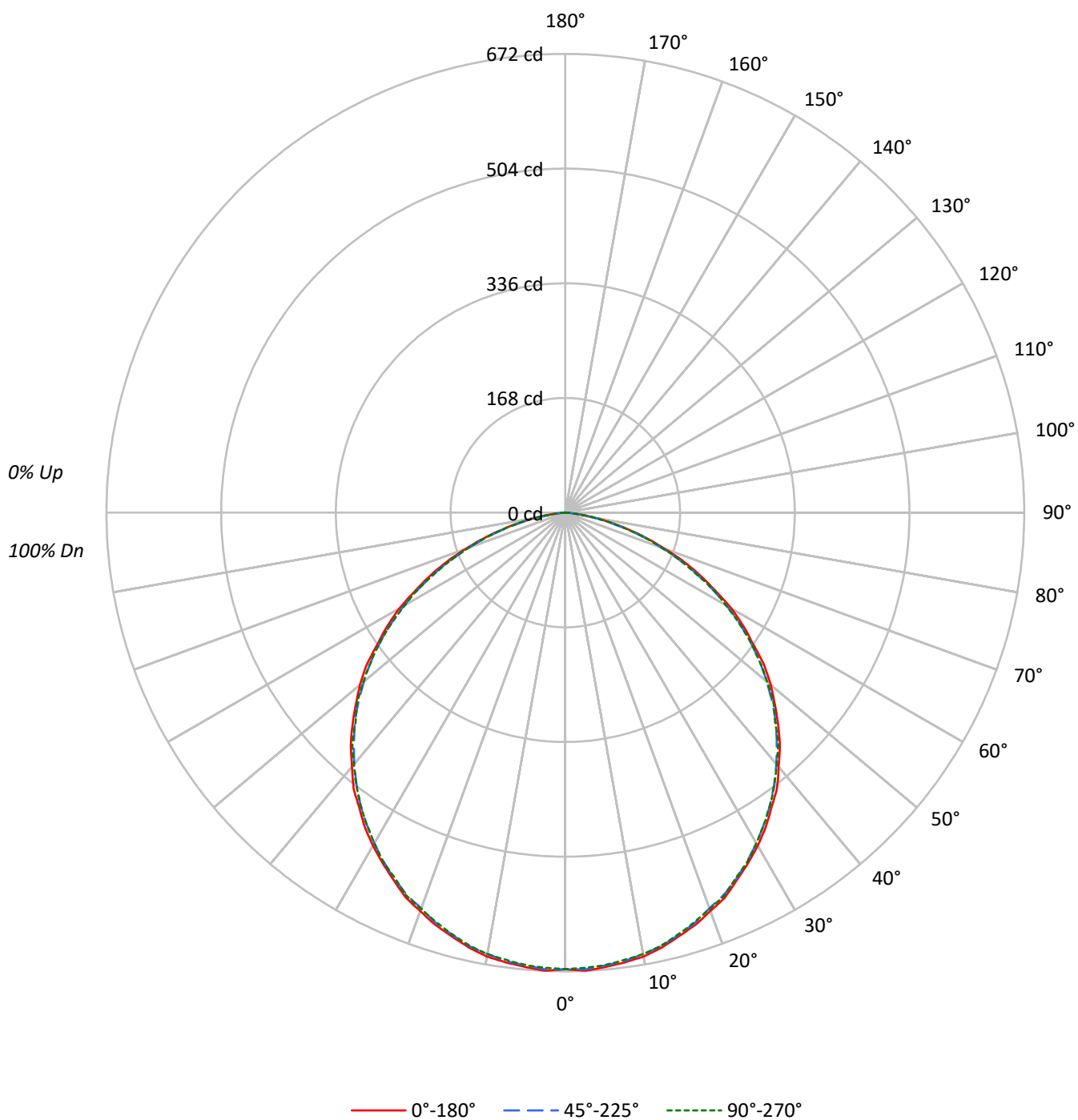
Lumens per Lamp: N/A
Luminaire Lumens: 1803.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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
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°	2191	2191	2191
5°	2197	2191	2188
10°	2197	2185	2185
15°	2179	2172	2170
20°	2166	2151	2153
25°	2148	2140	2135
30°	2132	2116	2116
35°	2106	2091	2091
40°	2078	2056	2059
45°	2043	2020	2013
50°	2001	1960	1968
55°	1917	1892	1892
60°	1839	1788	1779
65°	1690	1641	1634
70°	1488	1433	1447
75°	1218	1163	1199
80°	847	806	847
85°	402	376	402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.5
10°-20°	180.7	10.0
20°-30°	273.0	15.1
30°-40°	327.3	18.2
40°-50°	336.5	18.7
50°-60°	296.6	16.5
60°-70°	210.0	11.6
70°-80°	99.4	5.5
80°-90°	16.0	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°	517.0	28.7
0°-40°	844.4	46.8
0°-60°	1477.5	81.9
0°-90°	1803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	668	667	666	665	665	64
15°	642	640	640	640	640	181
25°	594	592	592	591	590	274
35°	526	524	523	522	523	330
45°	441	437	436	434	434	340
55°	336	333	331	333	331	301
65°	218	211	212	212	211	215
75°	96	90	92	92	95	103
85°	11	10	10	11	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	668.8	668.8	668.8	668.8	668.8
2.5°	671.7	668.1	669.6	668.1	667.4
5°	668.1	667.4	666.0	665.3	665.3
7.5°	664.6	662.4	662.4	661.0	661.0
10°	660.3	656.7	656.7	656.7	656.7
12.5°	652.5	648.9	650.3	648.2	649.6
15°	642.5	639.6	640.4	639.6	639.6
17.5°	633.2	630.4	630.4	629.7	629.0
20°	621.1	621.1	616.9	619.0	617.6
22.5°	610.4	609.7	606.2	604.7	607.6
25°	594.1	591.9	591.9	591.2	590.5
27.5°	579.1	578.4	576.3	577.0	577.0
30°	563.4	560.6	559.2	557.7	559.2
32.5°	546.3	541.3	541.3	541.3	541.3
35°	526.4	524.3	522.8	522.1	522.8
37.5°	509.3	505.7	502.2	501.5	502.9
40°	485.8	482.9	480.8	481.5	481.5
42.5°	465.1	460.9	458.0	460.1	461.6
45°	440.9	436.6	435.9	434.5	434.5
47.5°	416.0	413.1	411.0	410.3	413.8
50°	392.5	386.8	384.6	384.6	386.1
52.5°	366.8	361.1	359.0	359.7	359.0
55°	335.5	332.6	331.2	332.6	331.2
57.5°	309.1	304.2	302.7	302.7	302.0
60°	280.6	273.5	272.8	272.1	271.4
62.5°	247.2	242.9	242.2	242.2	243.6
65°	218.0	210.8	211.6	212.3	210.8
67.5°	188.0	180.9	180.9	181.6	180.9
70°	155.3	148.9	149.6	151.0	151.0
72.5°	125.4	120.4	121.1	121.1	121.8
75°	96.2	90.5	91.9	91.9	94.7
77.5°	69.1	64.8	65.5	67.0	67.7
80°	44.9	42.0	42.7	43.5	44.9
82.5°	24.9	24.2	24.2	24.9	24.9
85°	10.7	10.0	10.0	10.7	10.7
87.5°	2.8	2.8	2.1	2.1	2.8
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	14.44	16.05	14.80	16.36	16.68	14.38	15.99	14.75	16.30	16.62
	3H	15.97	17.42	16.35	17.74	18.10	15.90	17.35	16.27	17.67	18.03
	4H	16.43	17.79	16.83	18.14	18.52	16.36	17.72	16.76	18.07	18.45
	6H	16.67	17.93	17.08	18.29	18.68	16.60	17.86	17.01	18.23	18.62
	8H	16.70	17.90	17.13	18.29	18.69	16.64	17.84	17.06	18.23	18.63
	12H	16.70	17.85	17.13	18.24	18.66	16.64	17.79	17.07	18.17	18.60
4H	2H	14.99	16.35	15.39	16.70	17.08	14.94	16.30	15.34	16.65	17.03
	3H	16.69	17.83	17.10	18.23	18.63	16.64	17.78	17.05	18.18	18.58
	4H	17.24	18.26	17.67	18.67	19.11	17.20	18.22	17.63	18.63	19.07
	6H	17.55	18.44	18.01	18.88	19.34	17.52	18.41	17.98	18.85	19.31
	8H	17.60	18.43	18.07	18.88	19.34	17.58	18.41	18.04	18.85	19.31
	12H	17.62	18.36	18.10	18.84	19.31	17.59	18.33	18.07	18.81	19.28
8H	4H	17.42	18.25	17.89	18.70	19.16	17.39	18.21	17.85	18.66	19.12
	6H	17.79	18.47	18.28	18.96	19.44	17.77	18.45	18.26	18.94	19.42
	8H	17.87	18.48	18.38	18.99	19.47	17.85	18.46	18.36	18.97	19.45
	12H	17.90	18.44	18.41	18.93	19.49	17.88	18.42	18.39	18.92	19.48
12H	4H	17.42	18.17	17.91	18.64	19.11	17.39	18.13	17.87	18.60	19.07
	6H	17.79	18.40	18.30	18.91	19.40	17.76	18.38	18.27	18.89	19.37
	8H	17.90	18.44	18.40	18.93	19.49	17.88	18.42	18.38	18.91	19.47