

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: P997336

Luminaire Tested: FSP-22-L3C3-CA125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997336
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-CA125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

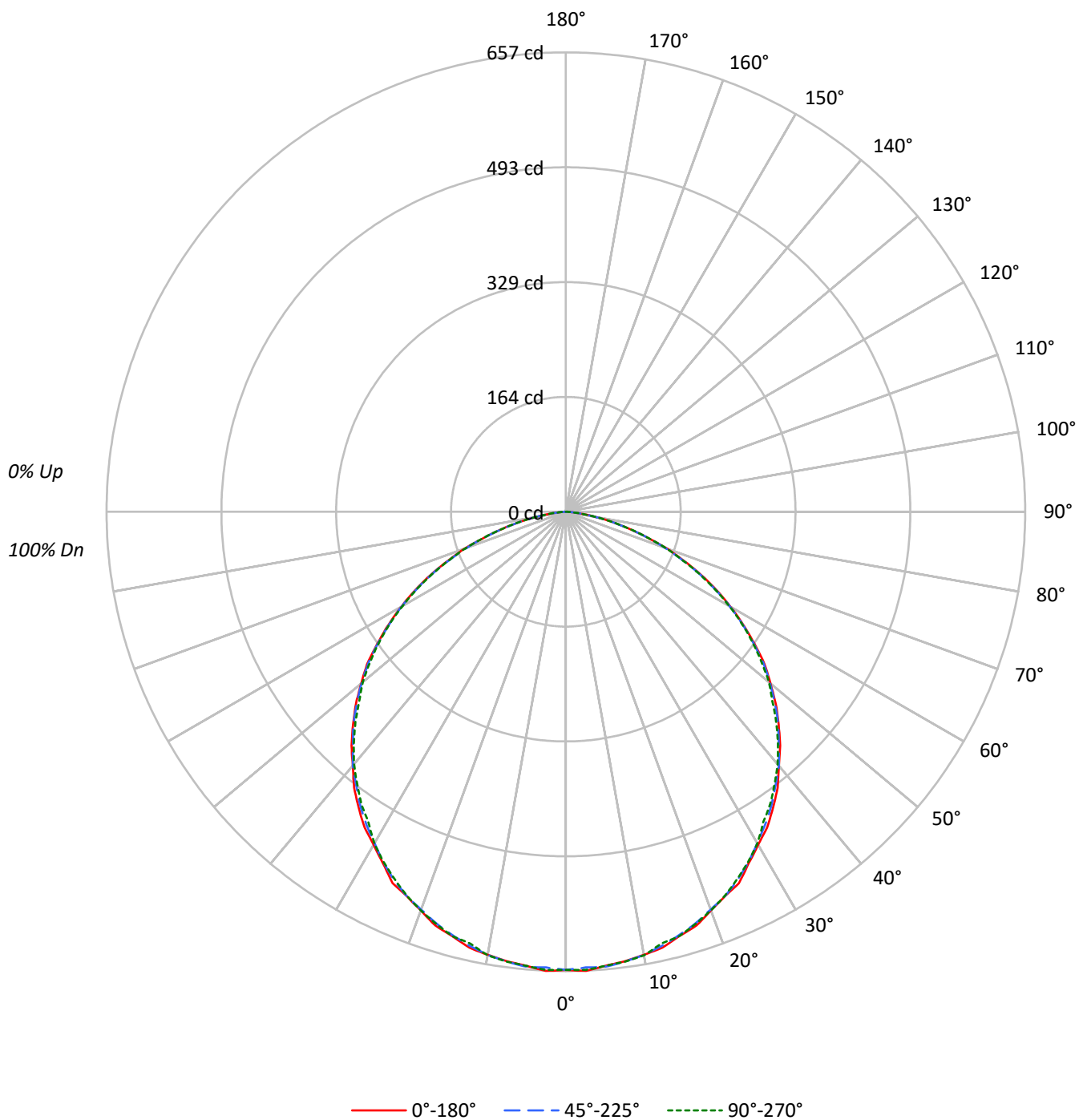
Lumens per Lamp: N/A
Luminaire Lumens: 1776.0 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60		
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52		
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	51	43	37	50	42	37	48	42	37	47	41	37	35		
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2147	2147	2147
5°	2143	2148	2143
10°	2141	2141	2143
15°	2131	2126	2131
20°	2115	2111	2115
25°	2119	2101	2096
30°	2081	2070	2073
35°	2067	2051	2040
40°	2027	2027	2015
45°	1994	1991	1972
50°	1947	1943	1932
55°	1881	1873	1865
60°	1782	1777	1768
65°	1652	1641	1636
70°	1471	1445	1465
75°	1182	1174	1182
80°	849	823	823
85°	417	417	417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.5
10°-20°	177.0	10.0
20°-30°	267.4	15.1
30°-40°	320.6	18.1
40°-50°	330.3	18.6
50°-60°	292.5	16.5
60°-70°	209.2	11.8
70°-80°	100.1	5.6
80°-90°	16.9	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°	506.4	28.5
0°-40°	827.0	46.6
0°-60°	1449.8	81.6
0°-90°	1776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	652	651	653	652	652	62
15°	628	628	627	627	628	178
25°	586	582	581	579	580	268
35°	517	514	513	511	510	323
45°	430	430	430	428	426	332
55°	329	328	328	326	326	294
65°	213	212	212	212	211	211
75°	93	93	93	93	93	101
85°	11	11	11	11	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.2	655.2	655.2	655.2	655.2
2.5°	657.3	655.2	652.4	654.5	655.9
5°	651.7	651.0	653.1	651.7	651.7
7.5°	648.3	649.6	648.9	648.9	648.9
10°	643.4	643.4	643.4	642.7	644.1
12.5°	638.6	635.1	635.8	635.8	632.3
15°	628.2	628.2	626.8	626.8	628.2
17.5°	620.6	619.2	617.1	617.1	617.8
20°	606.7	606.7	605.4	604.0	606.7
22.5°	595.0	597.8	595.0	592.2	594.3
25°	586.0	581.8	581.1	579.1	579.8
27.5°	566.6	564.5	565.2	563.9	564.5
30°	550.0	548.6	547.2	545.9	547.9
32.5°	535.5	534.1	530.6	530.0	525.8
35°	516.8	514.0	512.7	511.3	509.9
37.5°	497.4	494.7	492.6	491.9	490.5
40°	473.9	472.5	473.9	470.5	471.1
42.5°	453.8	452.5	450.4	449.0	449.0
45°	430.3	429.6	429.6	427.6	425.5
47.5°	407.5	406.8	405.4	402.7	400.6
50°	381.9	382.6	381.2	378.4	379.1
52.5°	358.4	354.2	356.3	353.5	352.8
55°	329.3	327.9	327.9	325.9	326.5
57.5°	301.0	301.0	299.6	299.6	298.9
60°	271.9	271.2	271.2	270.5	269.8
62.5°	243.5	242.8	241.5	241.5	240.8
65°	213.1	211.7	211.7	211.7	211.0
67.5°	182.6	181.3	180.6	180.6	179.9
70°	153.6	151.5	150.8	150.8	152.9
72.5°	121.1	121.8	121.1	121.8	122.5
75°	93.4	93.4	92.7	92.7	93.4
77.5°	67.8	67.8	67.8	67.8	68.5
80°	45.0	43.6	43.6	43.6	43.6
82.5°	24.9	24.9	24.9	25.6	26.3
85°	11.1	11.1	11.1	11.1	11.1
87.5°	4.2	4.2	4.2	4.2	3.5
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	14.39	16.01	14.76	16.32	16.63	14.36	15.97	14.72	16.29	16.60
	3H	15.94	17.39	16.32	17.72	18.08	15.90	17.35	16.27	17.68	18.04
	4H	16.40	17.77	16.80	18.11	18.49	16.37	17.73	16.76	18.08	18.46
	6H	16.65	17.91	17.06	18.27	18.67	16.61	17.88	17.03	18.24	18.63
	8H	16.68	17.89	17.11	18.28	18.68	16.65	17.86	17.08	18.25	18.65
	12H	16.69	17.84	17.12	18.22	18.65	16.66	17.81	17.09	18.19	18.62
4H	2H	14.96	16.33	15.36	16.67	17.05	14.93	16.30	15.33	16.65	17.02
	3H	16.69	17.83	17.10	18.23	18.63	16.66	17.80	17.07	18.19	18.59
	4H	17.25	18.27	17.68	18.69	19.12	17.22	18.24	17.65	18.66	19.09
	6H	17.58	18.47	18.03	18.91	19.37	17.55	18.44	18.00	18.88	19.34
	8H	17.63	18.46	18.09	18.91	19.37	17.61	18.44	18.07	18.88	19.35
	12H	17.65	18.39	18.13	18.87	19.34	17.63	18.37	18.11	18.85	19.32
8H	4H	17.45	18.28	17.91	18.72	19.19	17.42	18.25	17.88	18.70	19.16
	6H	17.83	18.52	18.32	19.01	19.48	17.81	18.49	18.30	18.98	19.46
	8H	17.91	18.53	18.42	19.04	19.52	17.89	18.51	18.40	19.02	19.50
	12H	17.95	18.49	18.46	18.99	19.55	17.94	18.48	18.44	18.97	19.53
12H	4H	17.45	18.19	17.93	18.67	19.14	17.42	18.17	17.90	18.64	19.11
	6H	17.83	18.45	18.34	18.96	19.44	17.81	18.42	18.32	18.93	19.42
	8H	17.95	18.49	18.45	18.98	19.54	17.93	18.47	18.43	18.96	19.52