

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: P997340

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997340
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

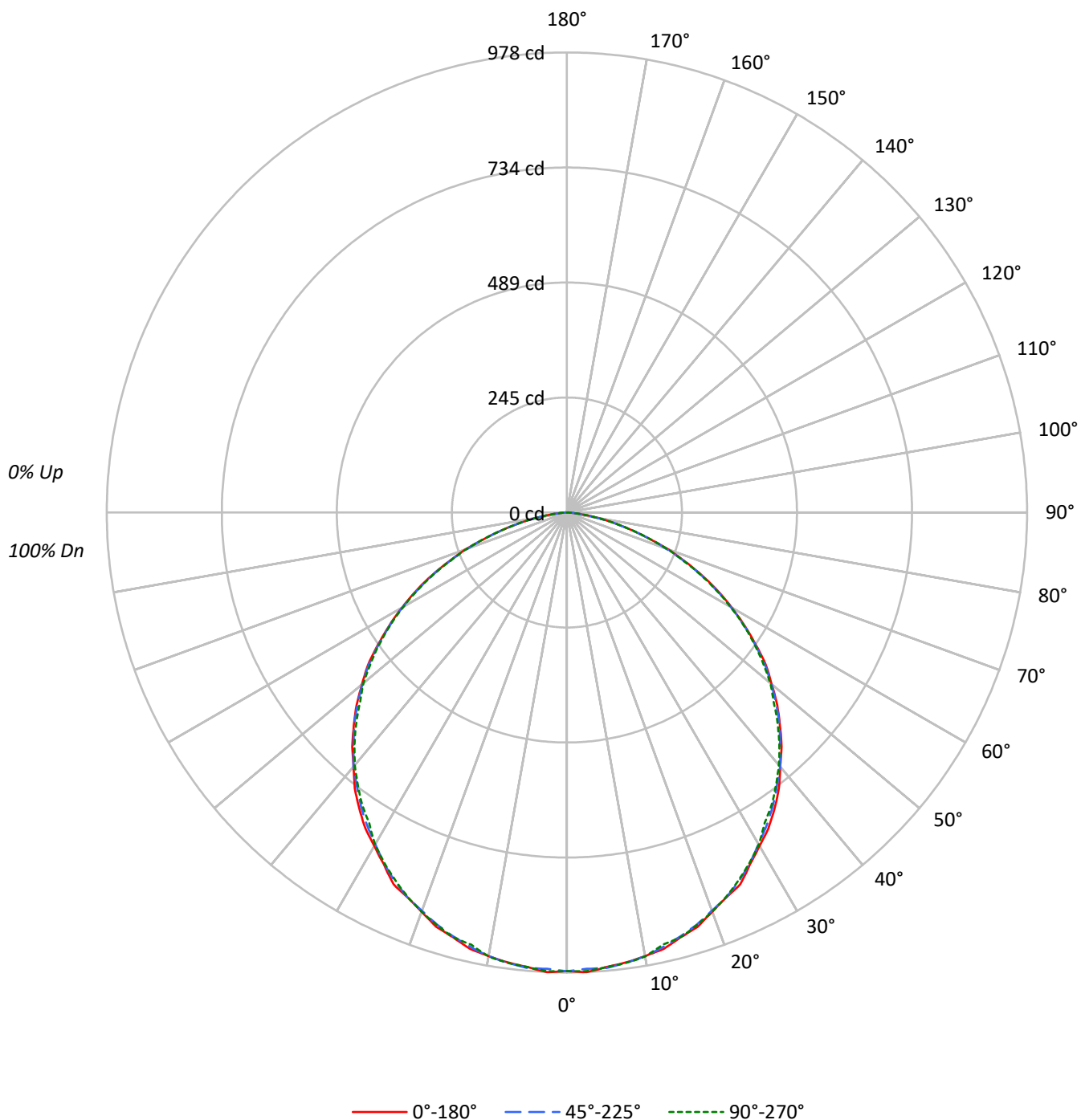
Lumens per Lamp: N/A
Luminaire Lumens: 2643.0 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	3195	3195	3195
5°	3190	3197	3190
10°	3186	3186	3189
15°	3171	3164	3171
20°	3148	3141	3148
25°	3153	3127	3119
30°	3097	3081	3085
35°	3076	3052	3035
40°	3017	3017	2999
45°	2967	2963	2934
50°	2897	2892	2876
55°	2800	2788	2776
60°	2651	2645	2631
65°	2458	2443	2434
70°	2190	2150	2179
75°	1760	1747	1760
80°	1262	1225	1225
85°	620	620	620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2967 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	3.5
10°-20°	263.5	10.0
20°-30°	397.9	15.1
30°-40°	477.2	18.1
40°-50°	491.5	18.6
50°-60°	435.2	16.5
60°-70°	311.3	11.8
70°-80°	149.0	5.6
80°-90°	25.2	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°	753.6	28.5
0°-40°	1230.8	46.6
0°-60°	2157.5	81.6
0°-90°	2643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	970	969	972	970	970	92
15°	935	935	933	933	935	264
25°	872	866	865	862	863	399
35°	769	765	763	761	759	480
45°	640	639	639	636	633	494
55°	490	488	488	485	486	438
65°	317	315	315	315	314	314
75°	139	139	138	138	139	150
85°	16	16	16	16	16	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.0	975.0	975.0	975.0	975.0
2.5°	978.1	975.0	970.9	974.0	976.0
5°	969.9	968.8	971.9	969.9	969.9
7.5°	964.7	966.8	965.7	965.7	965.7
10°	957.5	957.5	957.5	956.5	958.5
12.5°	950.3	945.2	946.2	946.2	941.0
15°	934.9	934.9	932.8	932.8	934.9
17.5°	923.5	921.5	918.4	918.4	919.4
20°	902.9	902.9	900.9	898.8	902.9
22.5°	885.4	889.6	885.4	881.3	884.4
25°	872.1	865.9	864.9	861.8	862.8
27.5°	843.2	840.1	841.2	839.1	840.1
30°	818.5	816.5	814.4	812.3	815.4
32.5°	796.9	794.8	789.7	788.7	782.5
35°	769.1	765.0	762.9	760.9	758.8
37.5°	740.3	736.2	733.1	732.0	730.0
40°	705.3	703.2	705.3	700.1	701.1
42.5°	675.4	673.3	670.3	668.2	668.2
45°	640.4	639.4	639.4	636.3	633.2
47.5°	606.4	605.4	603.3	599.2	596.1
50°	568.3	569.4	567.3	563.2	564.2
52.5°	533.3	527.1	530.2	526.1	525.1
55°	490.1	488.0	488.0	484.9	486.0
57.5°	447.9	447.9	445.8	445.8	444.8
60°	404.6	403.6	403.6	402.6	401.5
62.5°	362.4	361.4	359.3	359.3	358.3
65°	317.1	315.1	315.1	315.1	314.0
67.5°	271.8	269.8	268.7	268.7	267.7
70°	228.6	225.5	224.4	224.4	227.5
72.5°	180.2	181.2	180.2	181.2	182.2
75°	139.0	139.0	138.0	138.0	139.0
77.5°	100.9	100.9	100.9	100.9	101.9
80°	66.9	64.9	64.9	64.9	64.9
82.5°	37.1	37.1	37.1	38.1	39.1
85°	16.5	16.5	16.5	16.5	16.5
87.5°	6.2	6.2	6.2	6.2	5.1
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	15.77	17.39	16.14	17.70	18.02	15.74	17.35	16.10	17.67	17.98
	3H	17.32	18.77	17.70	19.10	19.46	17.28	18.73	17.65	19.06	19.42
	4H	17.78	19.15	18.18	19.49	19.87	17.75	19.11	18.14	19.46	19.84
	6H	18.03	19.29	18.44	19.66	20.05	17.99	19.26	18.41	19.62	20.01
	8H	18.06	19.27	18.49	19.66	20.06	18.03	19.24	18.46	19.63	20.03
	12H	18.07	19.22	18.50	19.60	20.03	18.04	19.19	18.47	19.58	20.00
4H	2H	16.34	17.71	16.74	18.06	18.43	16.31	17.68	16.71	18.03	18.40
	3H	18.07	19.21	18.48	19.61	20.01	18.04	19.18	18.45	19.57	19.97
	4H	18.63	19.65	19.06	20.07	20.51	18.60	19.62	19.03	20.04	20.48
	6H	18.96	19.85	19.41	20.29	20.75	18.93	19.82	19.38	20.26	20.72
	8H	19.01	19.85	19.47	20.29	20.75	18.99	19.82	19.45	20.26	20.73
	12H	19.03	19.78	19.51	20.25	20.72	19.01	19.75	19.49	20.23	20.70
8H	4H	18.83	19.66	19.29	20.10	20.57	18.80	19.63	19.26	20.08	20.54
	6H	19.21	19.90	19.71	20.39	20.86	19.19	19.88	19.68	20.36	20.84
	8H	19.29	19.91	19.80	20.42	20.90	19.27	19.89	19.78	20.40	20.88
	12H	19.33	19.88	19.84	20.37	20.93	19.32	19.86	19.82	20.35	20.91
12H	4H	18.83	19.58	19.31	20.05	20.52	18.80	19.55	19.28	20.03	20.49
	6H	19.21	19.83	19.72	20.34	20.82	19.19	19.81	19.70	20.31	20.80
	8H	19.33	19.87	19.83	20.36	20.92	19.31	19.85	19.82	20.34	20.91