

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: P997404

Luminaire Tested: FSP-24-L3C3-CP125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

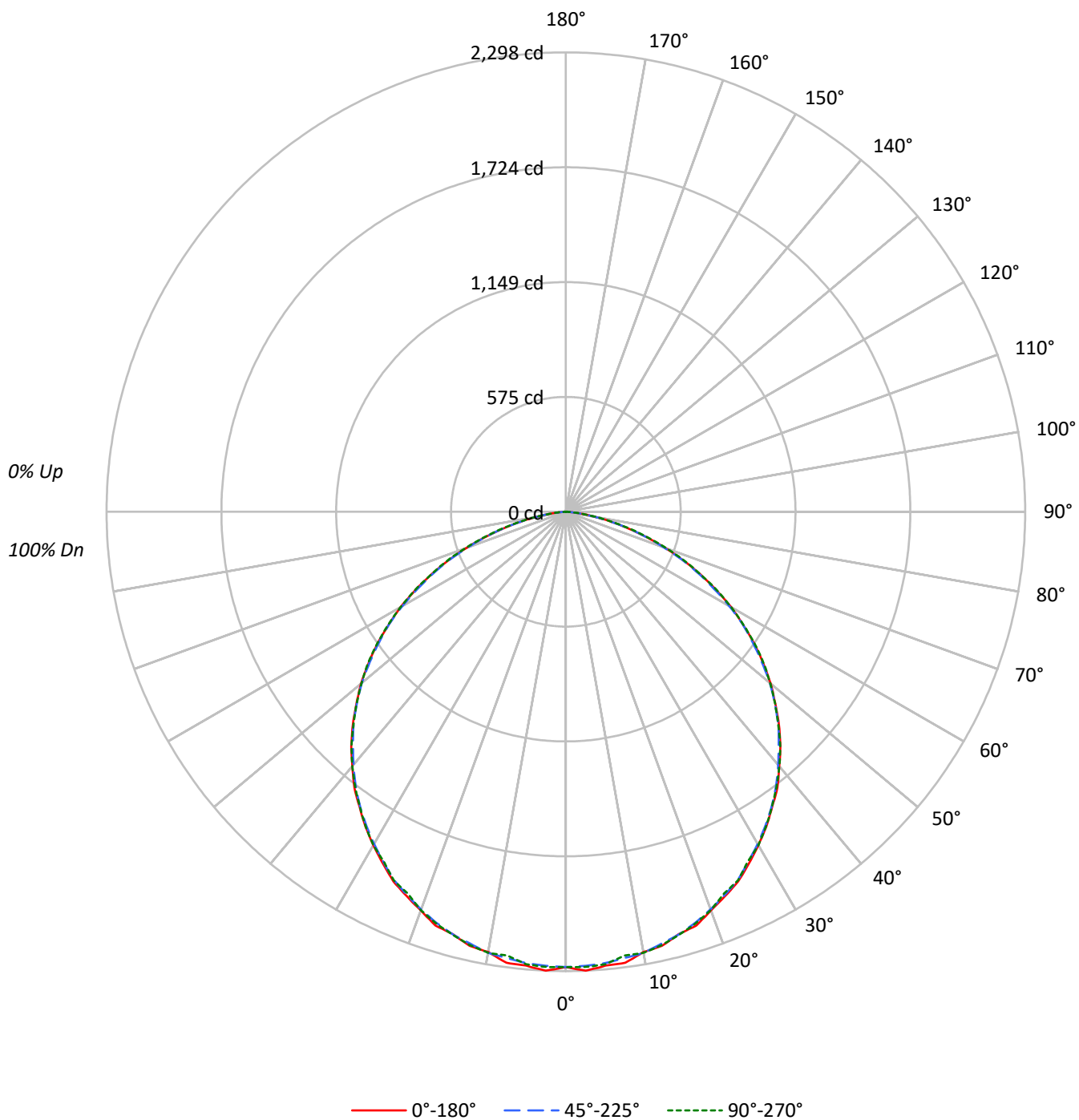
Lumens per Lamp: N/A
Luminaire Lumens: 6214.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
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°	3547	3547	3547
5°	3564	3544	3552
10°	3538	3544	3544
15°	3527	3529	3532
20°	3518	3508	3515
25°	3507	3495	3498
30°	3464	3451	3464
35°	3423	3416	3420
40°	3378	3359	3378
45°	3322	3309	3309
50°	3241	3228	3232
55°	3125	3100	3135
60°	2974	2945	2974
65°	2741	2707	2748
70°	2418	2376	2452
75°	1960	1960	2026
80°	1361	1361	1444
85°	661	661	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3322 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.6	3.5
10°-20°	617.8	9.9
20°-30°	935.6	15.1
30°-40°	1124.7	18.1
40°-50°	1159.6	18.7
50°-60°	1024.1	16.5
60°-70°	730.3	11.8
70°-80°	348.6	5.6
80°-90°	57.7	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°	1769.0	28.5
0°-40°	2893.7	46.6
0°-60°	5077.4	81.7
0°-90°	6214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2277	2277	2277	2277	2277	
5°	2279	2268	2266	2263	2272	217
15°	2187	2192	2189	2187	2190	619
25°	2041	2033	2033	2030	2035	938
35°	1800	1795	1796	1798	1798	1127
45°	1508	1504	1502	1504	1502	1162
55°	1151	1147	1142	1145	1154	1027
65°	744	747	734	733	746	735
75°	326	329	326	318	337	349
85°	37	37	37	39	41	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2277.4	2277.4	2277.4	2277.4	2277.4
2.5°	2297.8	2277.4	2273.7	2277.4	2279.3
5°	2279.3	2268.2	2266.3	2262.6	2271.9
7.5°	2275.6	2260.8	2251.5	2251.5	2238.6
10°	2236.7	2244.1	2240.4	2233.0	2240.4
12.5°	2223.8	2216.4	2212.7	2212.7	2220.1
15°	2186.8	2192.3	2188.6	2186.8	2190.5
17.5°	2170.1	2160.9	2155.3	2153.5	2159.0
20°	2122.0	2116.5	2116.5	2118.3	2120.2
22.5°	2081.3	2073.9	2075.8	2081.3	2066.5
25°	2040.6	2033.2	2033.2	2029.5	2035.1
27.5°	1983.3	1979.6	1975.9	1979.6	1972.2
30°	1925.9	1920.4	1918.5	1924.1	1925.9
32.5°	1866.7	1863.0	1859.3	1861.2	1864.9
35°	1800.1	1794.6	1796.4	1798.3	1798.3
37.5°	1739.1	1729.8	1728.0	1733.5	1731.7
40°	1661.4	1665.1	1652.1	1659.5	1661.4
42.5°	1589.2	1581.8	1576.3	1592.9	1587.4
45°	1507.8	1504.1	1502.3	1504.1	1502.3
47.5°	1420.9	1422.7	1417.2	1424.6	1419.0
50°	1337.6	1339.5	1332.1	1332.1	1333.9
52.5°	1245.1	1250.6	1235.8	1234.0	1248.8
55°	1150.7	1147.0	1141.5	1145.2	1154.4
57.5°	1050.8	1052.7	1049.0	1050.8	1054.5
60°	954.6	950.9	945.4	936.1	954.6
62.5°	849.2	852.9	836.2	836.2	854.7
65°	743.7	747.4	734.5	732.6	745.6
67.5°	636.4	636.4	630.9	621.6	645.7
70°	531.0	531.0	521.7	521.7	538.4
72.5°	425.5	423.7	421.8	416.3	434.8
75°	325.6	329.3	325.6	318.2	336.7
77.5°	233.1	236.8	231.3	233.1	242.4
80°	151.7	151.7	151.7	149.9	161.0
82.5°	88.8	87.0	87.0	88.8	92.5
85°	37.0	37.0	37.0	38.9	40.7
87.5°	9.3	9.3	11.1	9.3	11.1
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	16.16	17.77	16.52	18.08	18.40	16.15	17.76	16.51	18.07	18.39
	3H	17.70	19.15	18.08	19.48	19.84	17.68	19.14	18.06	19.46	19.82
	4H	18.16	19.53	18.56	19.88	20.25	18.16	19.52	18.56	19.87	20.25
	6H	18.40	19.66	18.81	20.03	20.42	18.41	19.67	18.82	20.04	20.43
	8H	18.44	19.64	18.86	20.03	20.43	18.45	19.66	18.88	20.05	20.45
	12H	18.44	19.59	18.87	19.97	20.40	18.46	19.61	18.89	19.99	20.42
4H	2H	16.72	18.08	17.11	18.43	18.80	16.71	18.07	17.10	18.42	18.80
	3H	18.44	19.58	18.85	19.98	20.38	18.42	19.56	18.83	19.96	20.36
	4H	19.01	20.03	19.44	20.45	20.88	18.98	20.01	19.41	20.42	20.86
	6H	19.33	20.22	19.78	20.66	21.11	19.32	20.21	19.77	20.65	21.11
	8H	19.38	20.21	19.84	20.66	21.12	19.38	20.21	19.84	20.65	21.12
	12H	19.40	20.14	19.88	20.62	21.09	19.40	20.15	19.88	20.62	21.09
8H	4H	19.20	20.03	19.66	20.48	20.94	19.18	20.01	19.64	20.45	20.92
	6H	19.58	20.26	20.07	20.75	21.23	19.57	20.26	20.06	20.74	21.22
	8H	19.66	20.27	20.17	20.78	21.27	19.66	20.27	20.17	20.78	21.27
	12H	19.69	20.24	20.20	20.73	21.29	19.70	20.24	20.21	20.73	21.30
12H	4H	19.20	19.95	19.68	20.42	20.89	19.18	19.93	19.66	20.40	20.87
	6H	19.58	20.19	20.09	20.70	21.19	19.57	20.18	20.08	20.69	21.18
	8H	19.69	20.23	20.20	20.72	21.29	19.69	20.23	20.20	20.72	21.29