

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: P997396

Luminaire Tested: FSP-24-L3C3-CA125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CA125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

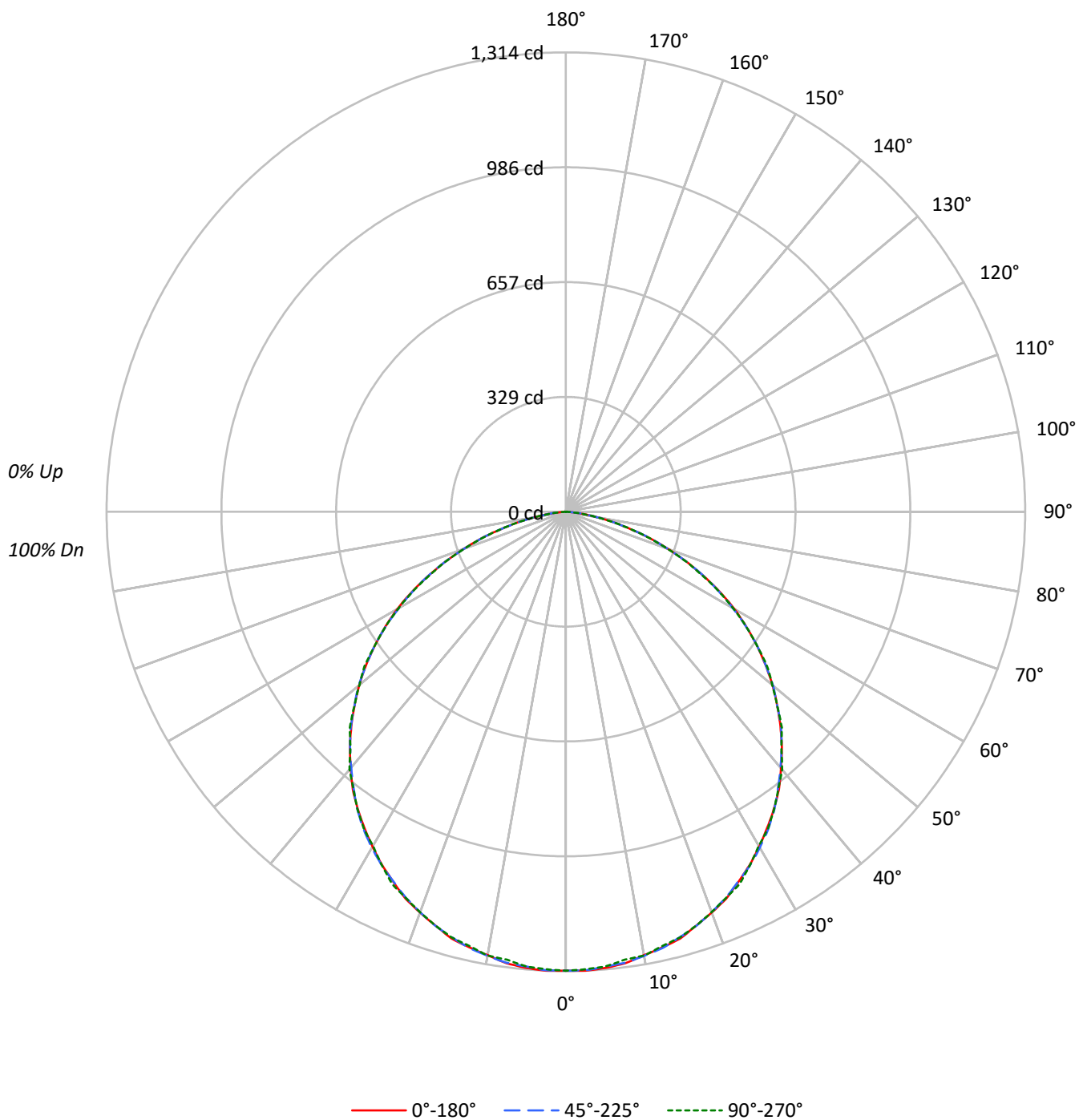
Lumens per Lamp: N/A
Luminaire Lumens: 3603.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	64		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	74	63	54	48	61	53	48		59	52	47		57
6	71	57	49	42	69	57	48	42	55	47	42		53	46	41		51
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2045	2045	2045
5°	2048	2041	2041
10°	2037	2040	2039
15°	2038	2031	2033
20°	2023	2021	2021
25°	2007	2006	2020
30°	1990	1996	1985
35°	1973	1977	1975
40°	1947	1943	1958
45°	1912	1917	1926
50°	1871	1876	1868
55°	1811	1814	1811
60°	1737	1717	1723
65°	1601	1605	1586
70°	1419	1409	1405
75°	1154	1166	1160
80°	823	823	813
85°	391	391	409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.4
10°-20°	355.6	9.9
20°-30°	538.6	14.9
30°-40°	648.9	18.0
40°-50°	670.0	18.6
50°-60°	595.9	16.5
60°-70°	428.7	11.9
70°-80°	206.9	5.7
80°-90°	34.3	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°	1018.3	28.3
0°-40°	1667.1	46.3
0°-60°	2933.0	81.4
0°-90°	3603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1310	1304	1306	1302	1306	124
15°	1264	1262	1260	1263	1261	356
25°	1168	1168	1167	1167	1175	539
35°	1038	1037	1040	1039	1039	649
45°	868	869	870	869	874	669
55°	667	666	668	669	667	596
65°	434	436	436	437	430	430
75°	192	193	194	194	193	207
85°	22	23	22	22	23	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1312.8	1312.8	1312.8	1312.8	1312.8
2.5°	1313.8	1312.8	1312.8	1306.5	1309.7
5°	1309.7	1304.5	1305.5	1302.4	1305.5
7.5°	1302.4	1299.2	1301.3	1294.0	1292.0
10°	1287.8	1288.8	1289.9	1284.7	1288.8
12.5°	1276.3	1279.4	1278.4	1273.2	1272.2
15°	1263.8	1261.7	1259.7	1262.8	1260.7
17.5°	1240.9	1238.8	1241.9	1240.9	1240.9
20°	1220.1	1219.0	1219.0	1215.9	1219.0
22.5°	1198.2	1195.1	1195.1	1199.2	1196.1
25°	1168.0	1168.0	1166.9	1166.9	1175.3
27.5°	1138.8	1137.8	1140.9	1143.0	1139.8
30°	1106.5	1106.5	1109.6	1107.5	1103.4
32.5°	1072.1	1071.1	1077.3	1074.2	1075.2
35°	1037.7	1036.7	1039.8	1038.8	1038.8
37.5°	1001.3	995.0	997.1	1002.3	998.1
40°	957.5	956.5	955.4	957.5	962.7
42.5°	914.8	912.7	913.7	915.8	911.7
45°	867.9	868.9	870.0	868.9	874.2
47.5°	820.0	822.1	820.0	825.2	820.0
50°	772.0	771.0	774.1	774.1	771.0
52.5°	720.0	721.0	720.0	724.1	726.2
55°	666.8	665.8	667.9	668.9	666.8
57.5°	612.6	612.6	611.6	615.8	611.6
60°	557.4	553.2	551.2	553.2	553.2
62.5°	497.0	493.9	493.9	493.9	493.9
65°	434.5	435.5	435.5	436.6	430.3
67.5°	374.0	372.0	374.0	370.9	372.0
70°	311.5	312.6	309.4	311.5	308.4
72.5°	253.2	253.2	253.2	251.1	251.1
75°	191.7	192.8	193.8	193.8	192.8
77.5°	139.6	138.6	139.6	139.6	139.6
80°	91.7	89.6	91.7	90.6	90.6
82.5°	51.1	52.1	52.1	53.1	53.1
85°	21.9	22.9	21.9	21.9	22.9
87.5°	6.3	6.3	6.3	6.3	6.3
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	14.29	15.90	14.65	16.22	16.53	14.31	15.93	14.68	16.24	16.56
	3H	15.85	17.31	16.23	17.63	17.99	15.85	17.31	16.23	17.63	17.99
	4H	16.32	17.69	16.72	18.04	18.42	16.33	17.69	16.72	18.04	18.42
	6H	16.57	17.84	16.98	18.20	18.59	16.57	17.84	16.98	18.20	18.60
	8H	16.61	17.82	17.03	18.21	18.61	16.61	17.82	17.04	18.21	18.61
	12H	16.61	17.77	17.04	18.15	18.58	16.62	17.77	17.05	18.16	18.59
4H	2H	14.87	16.24	15.27	16.59	16.96	14.89	16.26	15.29	16.61	16.98
	3H	16.62	17.76	17.03	18.16	18.56	16.62	17.76	17.03	18.16	18.56
	4H	17.19	18.22	17.62	18.63	19.07	17.19	18.22	17.62	18.63	19.07
	6H	17.52	18.41	17.97	18.85	19.31	17.52	18.41	17.97	18.86	19.31
	8H	17.57	18.41	18.03	18.85	19.32	17.58	18.41	18.04	18.86	19.32
	12H	17.59	18.34	18.07	18.81	19.28	17.60	18.35	18.08	18.82	19.29
8H	4H	17.39	18.23	17.85	18.67	19.14	17.39	18.23	17.86	18.67	19.14
	6H	17.78	18.47	18.27	18.96	19.43	17.78	18.47	18.28	18.96	19.44
	8H	17.86	18.48	18.37	18.99	19.47	17.87	18.49	18.38	19.00	19.48
	12H	17.90	18.45	18.41	18.94	19.50	17.91	18.46	18.42	18.95	19.51
12H	4H	17.40	18.15	17.88	18.62	19.09	17.40	18.15	17.88	18.62	19.09
	6H	17.78	18.40	18.29	18.91	19.40	17.79	18.41	18.30	18.91	19.40
	8H	17.90	18.44	18.41	18.93	19.50	17.91	18.45	18.41	18.94	19.50