

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: P997382

Luminaire Tested: FSP-24-L3C3-CA08-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CA08-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

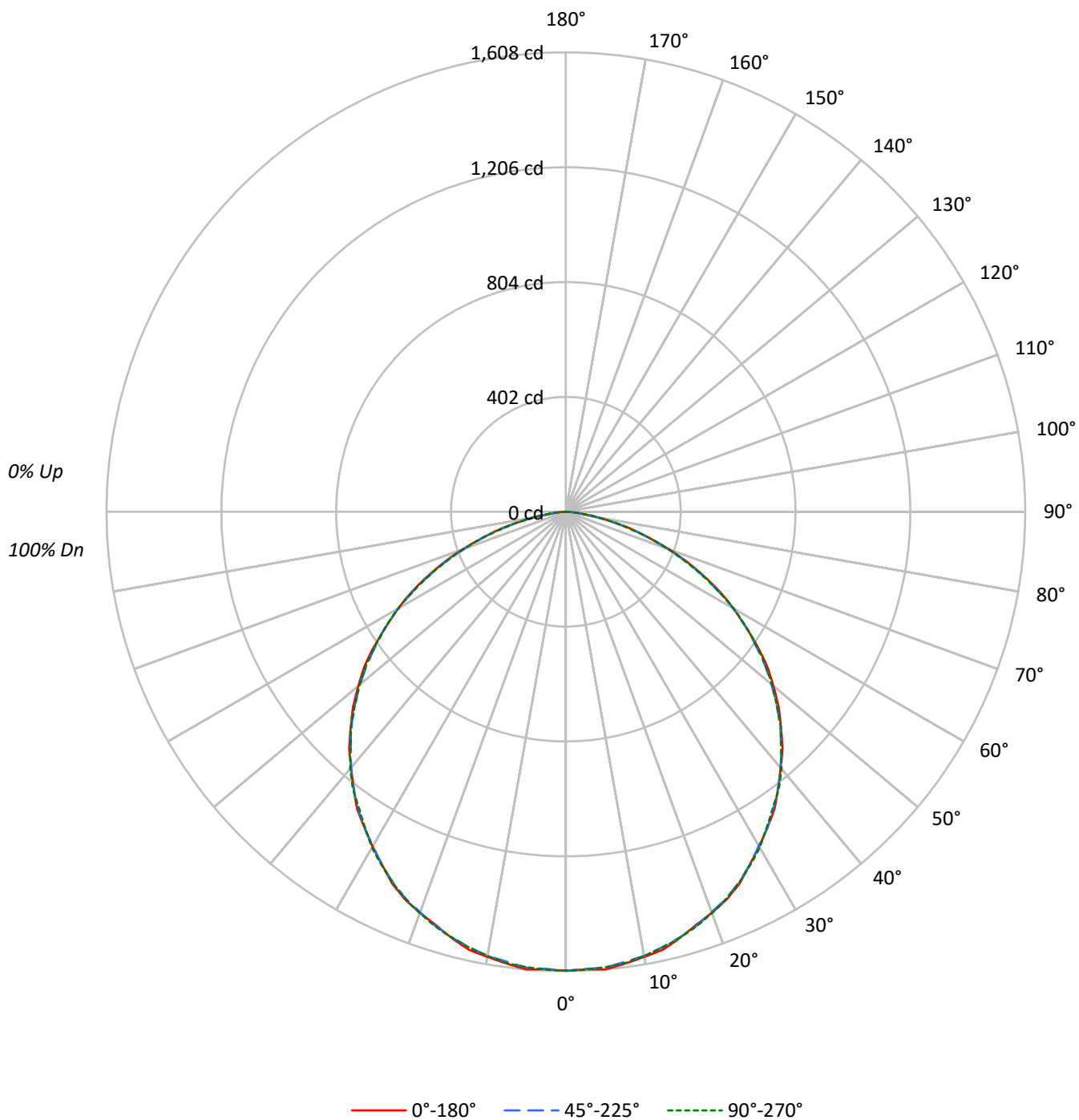
Lumens per Lamp: N/A
Luminaire Lumens: 4405.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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

TEST NUMBER: P997382

CATALOG NUMBER: FSP-24-L3C3-CA08-3000K-MID

Luminous Intensity Polar Plot



TEST NUMBER: P997382

CATALOG NUMBER: FSP-24-L3C3-CA08-3000K-MID

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	102	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°	2502	2502	2502
5°	2514	2504	2502
10°	2502	2496	2496
15°	2491	2487	2489
20°	2477	2472	2479
25°	2470	2461	2463
30°	2434	2429	2441
35°	2420	2410	2403
40°	2378	2378	2388
45°	2345	2337	2342
50°	2298	2276	2285
55°	2220	2195	2206
60°	2112	2112	2116
65°	1969	1950	1945
70°	1756	1720	1726
75°	1472	1425	1409
80°	1009	1009	1021
85°	533	533	577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2345 cd/sqm

TEST NUMBER: P997382

CATALOG NUMBER: FSP-24-L3C3-CA08-3000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	3.5
10°-20°	435.2	9.9
20°-30°	659.2	15.0
30°-40°	792.8	18.0
40°-50°	818.4	18.6
50°-60°	726.9	16.5
60°-70°	523.3	11.9
70°-80°	253.2	5.7
80°-90°	44.1	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°	1246.4	28.3
0°-40°	2039.2	46.3
0°-60°	3584.4	81.4
0°-90°	4405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1608	1604	1601	1596	1600	152
15°	1544	1543	1542	1538	1543	436
25°	1437	1431	1432	1432	1433	660
35°	1273	1269	1268	1269	1264	793
45°	1065	1063	1061	1061	1063	822
55°	818	816	808	812	812	729
65°	534	530	529	524	528	528
75°	244	239	237	235	234	257
85°	30	30	30	30	32	44
90°	0	0	0	0	0	

TEST NUMBER: P997382

CATALOG NUMBER: FSP-24-L3C3-CA08-3000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1606.5	1606.5	1606.5	1606.5	1606.5
2.5°	1602.7	1602.7	1601.4	1602.7	1604.0
5°	1607.8	1604.0	1601.4	1596.2	1600.1
7.5°	1594.9	1591.0	1588.4	1584.6	1593.6
10°	1582.0	1582.0	1578.1	1571.6	1578.1
12.5°	1570.3	1562.6	1561.3	1560.0	1562.6
15°	1544.5	1543.2	1541.9	1538.0	1543.2
17.5°	1516.0	1519.9	1519.9	1519.9	1521.2
20°	1494.0	1491.4	1491.4	1491.4	1495.3
22.5°	1469.4	1464.3	1465.6	1460.4	1466.8
25°	1437.1	1430.6	1431.9	1431.9	1433.2
27.5°	1393.1	1393.1	1393.1	1394.4	1395.7
30°	1353.0	1355.6	1350.4	1349.1	1356.9
32.5°	1311.6	1311.6	1312.9	1307.7	1309.0
35°	1272.8	1268.9	1267.6	1268.9	1263.8
37.5°	1219.8	1222.4	1221.1	1219.8	1223.7
40°	1169.3	1173.2	1169.3	1168.0	1174.5
42.5°	1122.8	1118.9	1115.0	1112.4	1115.0
45°	1064.6	1063.3	1060.7	1060.7	1063.3
47.5°	1010.2	1007.7	1001.2	999.9	1001.2
50°	948.1	945.6	939.1	944.3	943.0
52.5°	888.6	883.5	877.0	879.6	879.6
55°	817.5	816.2	808.4	812.3	812.3
57.5°	743.8	748.9	746.4	745.1	746.4
60°	677.8	681.7	677.8	673.9	679.1
62.5°	609.2	606.7	601.5	601.5	601.5
65°	534.2	530.3	529.0	523.9	527.8
67.5°	460.5	456.6	454.0	452.7	452.7
70°	385.5	382.9	377.7	376.4	379.0
72.5°	307.9	309.2	306.6	304.0	307.9
75°	244.5	239.3	236.7	235.4	234.1
77.5°	173.3	170.7	169.5	169.5	170.7
80°	112.5	112.5	112.5	112.5	113.8
82.5°	64.7	66.0	64.7	67.3	68.6
85°	29.8	29.8	29.8	29.8	32.3
87.5°	10.3	9.1	9.1	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997382

CATALOG NUMBER: FSP-24-L3C3-CA08-3000K-MID

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	14.98	16.60	15.34	16.91	17.22	14.95	16.57	15.32	16.88	17.20
	3H	16.56	18.02	16.94	18.34	18.70	16.50	17.96	16.88	18.29	18.65
	4H	17.05	18.42	17.45	18.77	19.14	16.98	18.35	17.38	18.70	19.07
	6H	17.30	18.57	17.72	18.94	19.33	17.23	18.50	17.65	18.87	19.26
	8H	17.34	18.55	17.77	18.94	19.34	17.28	18.49	17.71	18.88	19.28
	12H	17.35	18.51	17.78	18.89	19.32	17.29	18.45	17.72	18.83	19.26
4H	2H	15.55	16.92	15.95	17.27	17.65	15.53	16.90	15.93	17.25	17.62
	3H	17.32	18.46	17.73	18.86	19.26	17.27	18.41	17.68	18.81	19.21
	4H	17.91	18.94	18.34	19.35	19.79	17.84	18.87	18.27	19.29	19.72
	6H	18.24	19.14	18.70	19.58	20.04	18.18	19.08	18.64	19.52	19.97
	8H	18.30	19.14	18.76	19.58	20.05	18.25	19.09	18.71	19.53	19.99
	12H	18.33	19.08	18.81	19.55	20.02	18.28	19.03	18.76	19.50	19.97
8H	4H	18.11	18.95	18.57	19.39	19.85	18.05	18.89	18.51	19.33	19.79
	6H	18.50	19.20	19.00	19.69	20.16	18.45	19.14	18.94	19.63	20.11
	8H	18.59	19.21	19.10	19.72	20.21	18.55	19.17	19.06	19.67	20.16
	12H	18.64	19.19	19.15	19.68	20.24	18.60	19.15	19.11	19.64	20.20
12H	4H	18.11	18.86	18.59	19.34	19.81	18.05	18.80	18.53	19.28	19.75
	6H	18.51	19.13	19.02	19.64	20.12	18.45	19.07	18.96	19.58	20.07
	8H	18.63	19.18	19.14	19.67	20.23	18.59	19.13	19.09	19.62	20.19