

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: P997383

Luminaire Tested: FSP-24-L3C3-CA08-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997383
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-CA08-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

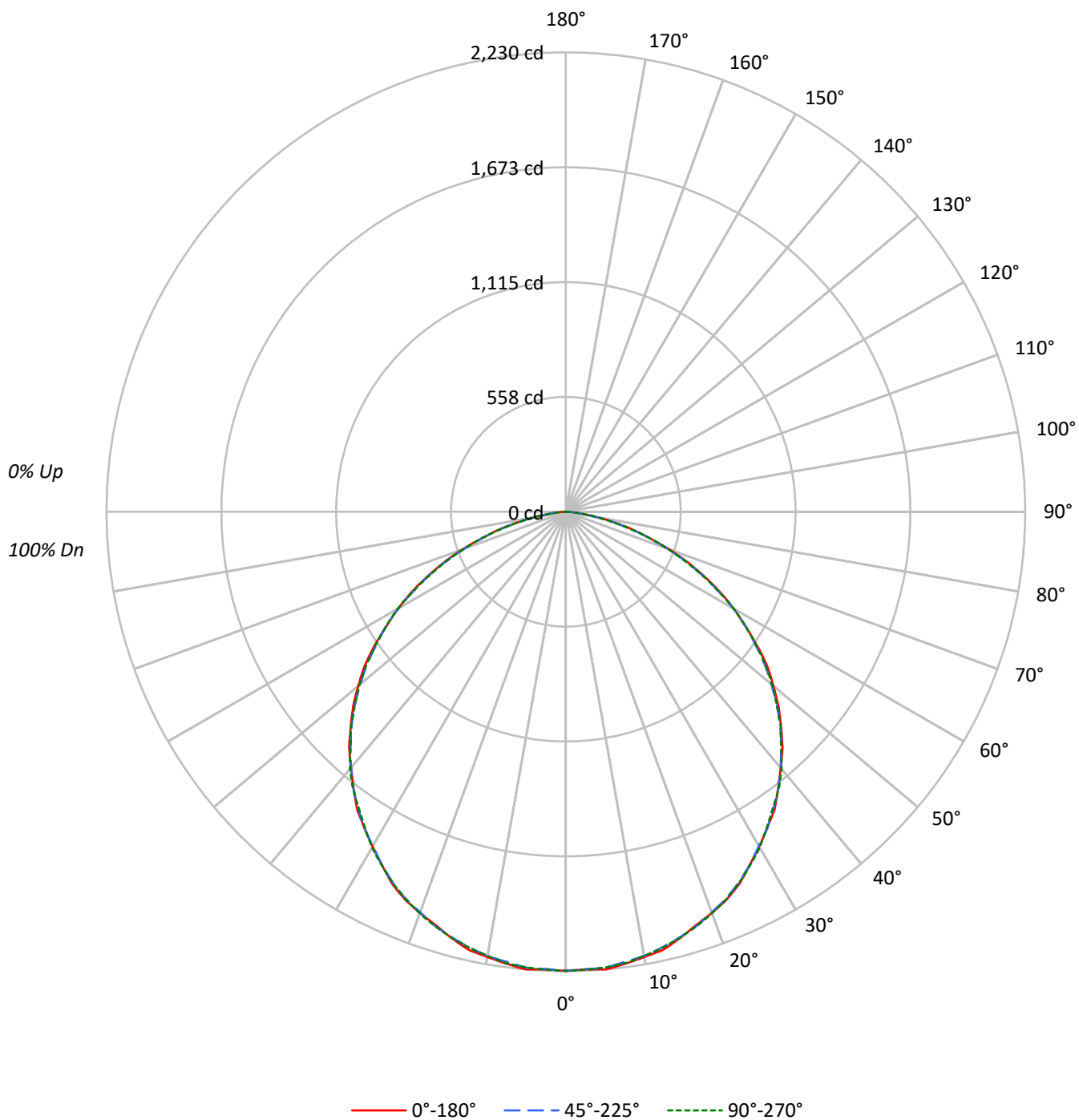
Lumens per Lamp: N/A
Luminaire Lumens: 6111.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P997383

CATALOG NUMBER: FSP-24-L3C3-CA08-3500K-HI

Luminous Intensity Polar Plot



TEST NUMBER: P997383

CATALOG NUMBER: FSP-24-L3C3-CA08-3500K-HI

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°	3472	3472	3472
5°	3488	3474	3471
10°	3471	3463	3463
15°	3455	3449	3452
20°	3436	3430	3439
25°	3427	3414	3417
30°	3376	3370	3386
35°	3358	3344	3334
40°	3299	3299	3313
45°	3253	3242	3250
50°	3188	3157	3170
55°	3080	3046	3060
60°	2929	2929	2935
65°	2732	2705	2698
70°	2436	2387	2395
75°	2041	1976	1955
80°	1400	1400	1416
85°	738	738	802

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3253 cd/sqm

TEST NUMBER: P997383

CATALOG NUMBER: FSP-24-L3C3-CA08-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	3.5
10°-20°	603.8	9.9
20°-30°	914.5	15.0
30°-40°	1099.8	18.0
40°-50°	1135.3	18.6
50°-60°	1008.4	16.5
60°-70°	725.9	11.9
70°-80°	351.3	5.7
80°-90°	61.2	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°	1729.1	28.3
0°-40°	2828.9	46.3
0°-60°	4972.7	81.4
0°-90°	6111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2230	2225	2222	2214	2220	211
15°	2143	2141	2139	2134	2141	605
25°	1994	1985	1986	1986	1988	916
35°	1766	1760	1759	1760	1753	1101
45°	1477	1475	1472	1472	1475	1140
55°	1134	1132	1122	1127	1127	1012
65°	741	736	734	727	732	733
75°	339	332	328	327	325	356
85°	41	41	41	41	45	61
90°	0	0	0	0	0	

TEST NUMBER: P997383

CATALOG NUMBER: FSP-24-L3C3-CA08-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2228.7	2228.7	2228.7	2228.7	2228.7
2.5°	2223.4	2223.4	2221.6	2223.4	2225.2
5°	2230.5	2225.2	2221.6	2214.4	2219.8
7.5°	2212.6	2207.2	2203.6	2198.2	2210.8
10°	2194.6	2194.6	2189.3	2180.3	2189.3
12.5°	2178.5	2167.7	2165.9	2164.1	2167.7
15°	2142.6	2140.8	2139.0	2133.6	2140.8
17.5°	2103.1	2108.5	2108.5	2108.5	2110.3
20°	2072.6	2069.0	2069.0	2069.0	2074.4
22.5°	2038.5	2031.4	2033.1	2026.0	2034.9
25°	1993.7	1984.7	1986.5	1986.5	1988.3
27.5°	1932.7	1932.7	1932.7	1934.4	1936.2
30°	1877.0	1880.6	1873.4	1871.6	1882.4
32.5°	1819.6	1819.6	1821.4	1814.2	1816.0
35°	1765.8	1760.4	1758.6	1760.4	1753.2
37.5°	1692.2	1695.8	1694.0	1692.2	1697.6
40°	1622.2	1627.6	1622.2	1620.4	1629.4
42.5°	1557.6	1552.2	1546.8	1543.3	1546.8
45°	1476.9	1475.1	1471.5	1471.5	1475.1
47.5°	1401.5	1397.9	1388.9	1387.1	1388.9
50°	1315.4	1311.8	1302.8	1310.0	1308.2
52.5°	1232.8	1225.6	1216.7	1220.2	1220.2
55°	1134.1	1132.3	1121.6	1126.9	1126.9
57.5°	1031.8	1039.0	1035.4	1033.6	1035.4
60°	940.3	945.7	940.3	934.9	942.1
62.5°	845.2	841.6	834.4	834.4	834.4
65°	741.1	735.7	733.9	726.8	732.1
67.5°	638.8	633.5	629.9	628.1	628.1
70°	534.8	531.2	524.0	522.2	525.8
72.5°	427.1	428.9	425.3	421.7	427.1
75°	339.2	332.0	328.4	326.6	324.8
77.5°	240.5	236.9	235.1	235.1	236.9
80°	156.1	156.1	156.1	156.1	157.9
82.5°	89.7	91.5	89.7	93.3	95.1
85°	41.3	41.3	41.3	41.3	44.9
87.5°	14.4	12.6	12.6	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997383

CATALOG NUMBER: FSP-24-L3C3-CA08-3500K-HI

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	16.12	17.73	16.48	18.05	18.36	16.09	17.71	16.45	18.02	18.33
	3H	17.70	19.15	18.07	19.48	19.84	17.64	19.10	18.02	19.42	19.78
	4H	18.19	19.56	18.59	19.91	20.28	18.12	19.49	18.52	19.83	20.21
	6H	18.44	19.71	18.85	20.07	20.46	18.37	19.64	18.78	20.00	20.40
	8H	18.48	19.69	18.91	20.08	20.48	18.42	19.63	18.84	20.02	20.42
	12H	18.49	19.65	18.92	20.03	20.46	18.43	19.59	18.86	19.97	20.40
4H	2H	16.69	18.06	17.09	18.41	18.78	16.67	18.04	17.07	18.39	18.76
	3H	18.46	19.60	18.87	20.00	20.40	18.41	19.55	18.82	19.95	20.35
	4H	19.05	20.08	19.48	20.49	20.93	18.98	20.01	19.41	20.42	20.86
	6H	19.38	20.28	19.84	20.72	21.18	19.32	20.21	19.77	20.65	21.11
	8H	19.44	20.28	19.90	20.72	21.19	19.39	20.22	19.85	20.67	21.13
	12H	19.46	20.21	19.94	20.69	21.16	19.41	20.16	19.89	20.64	21.11
8H	4H	19.25	20.08	19.71	20.53	20.99	19.19	20.02	19.65	20.47	20.93
	6H	19.64	20.33	20.14	20.82	21.30	19.59	20.28	20.08	20.77	21.24
	8H	19.73	20.35	20.24	20.86	21.34	19.68	20.30	20.20	20.81	21.30
	12H	19.78	20.32	20.29	20.82	21.38	19.74	20.28	20.25	20.78	21.34
12H	4H	19.25	20.00	19.73	20.48	20.95	19.19	19.94	19.67	20.42	20.89
	6H	19.65	20.27	20.16	20.77	21.26	19.59	20.21	20.10	20.72	21.20
	8H	19.77	20.32	20.28	20.81	21.37	19.72	20.27	20.23	20.76	21.32