

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: P997398

Luminaire Tested: FSP-24-L3C3-CP125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997398
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-CP125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

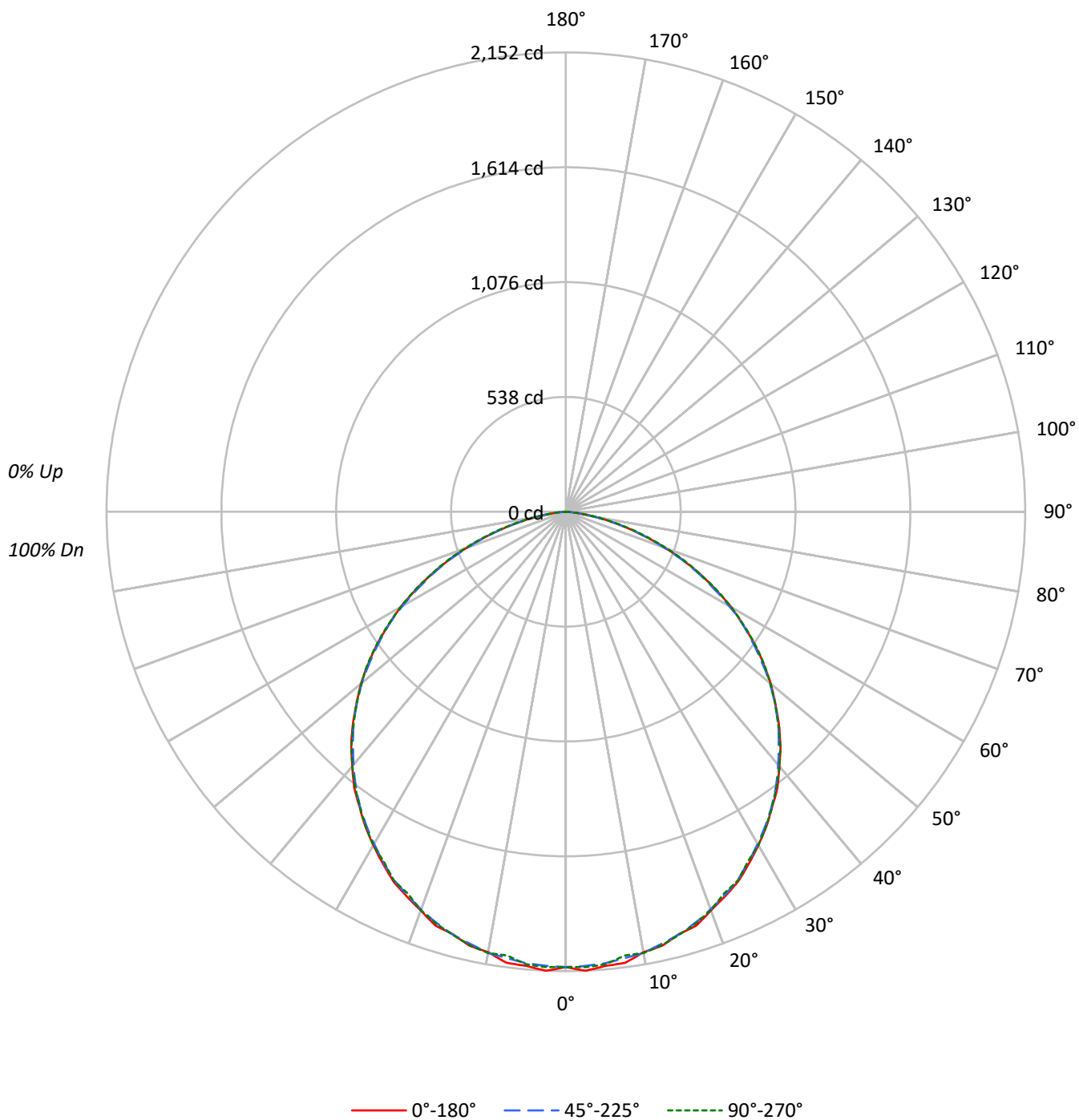
Lumens per Lamp: N/A
Luminaire Lumens: 5820.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997398

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-HI

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	73	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	62	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	54	54	52
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	47	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	41	41	39
7	66	52	44	38	64	51	43	37	50	42	37	48	42	37	47	41	37	37	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	33	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	30	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3323	3323	3323
5°	3338	3319	3327
10°	3314	3319	3319
15°	3303	3306	3309
20°	3295	3286	3292
25°	3285	3273	3276
30°	3244	3232	3244
35°	3206	3199	3203
40°	3164	3147	3164
45°	3111	3099	3099
50°	3036	3023	3027
55°	2927	2903	2936
60°	2785	2758	2785
65°	2568	2535	2574
70°	2265	2225	2296
75°	1836	1836	1898
80°	1275	1275	1353
85°	620	620	681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3111 cd/sqm

TEST NUMBER: P997398

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	3.5
10°-20°	578.6	9.9
20°-30°	876.3	15.1
30°-40°	1053.4	18.1
40°-50°	1086.0	18.7
50°-60°	959.1	16.5
60°-70°	684.0	11.8
70°-80°	326.5	5.6
80°-90°	54.1	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°	1656.8	28.5
0°-40°	2710.2	46.6
0°-60°	4755.4	81.7
0°-90°	5820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2133	2133	2133	2133	2133	
5°	2135	2124	2123	2119	2128	203
15°	2048	2053	2050	2048	2052	580
25°	1911	1904	1904	1901	1906	879
35°	1686	1681	1682	1684	1684	1056
45°	1412	1409	1407	1409	1407	1088
55°	1078	1074	1069	1073	1081	962
65°	697	700	688	686	698	688
75°	305	308	305	298	315	327
85°	35	35	35	36	38	54
90°	0	0	0	0	0	

TEST NUMBER: P997398

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2133.0	2133.0	2133.0	2133.0	2133.0
2.5°	2152.1	2133.0	2129.6	2133.0	2134.8
5°	2134.8	2124.4	2122.6	2119.2	2127.8
7.5°	2131.3	2117.4	2108.8	2108.8	2096.6
10°	2094.9	2101.8	2098.4	2091.4	2098.4
12.5°	2082.8	2075.9	2072.4	2072.4	2079.3
15°	2048.1	2053.3	2049.9	2048.1	2051.6
17.5°	2032.5	2023.9	2018.7	2016.9	2022.1
20°	1987.5	1982.3	1982.3	1984.0	1985.8
22.5°	1949.4	1942.4	1944.2	1949.4	1935.5
25°	1911.2	1904.3	1904.3	1900.8	1906.0
27.5°	1857.5	1854.1	1850.6	1854.1	1847.1
30°	1803.8	1798.6	1796.9	1802.1	1803.8
32.5°	1748.4	1744.9	1741.4	1743.2	1746.6
35°	1686.0	1680.8	1682.5	1684.2	1684.2
37.5°	1628.8	1620.1	1618.4	1623.6	1621.9
40°	1556.0	1559.5	1547.4	1554.3	1556.0
42.5°	1488.4	1481.5	1476.3	1491.9	1486.7
45°	1412.2	1408.7	1407.0	1408.7	1407.0
47.5°	1330.8	1332.5	1327.3	1334.2	1329.0
50°	1252.8	1254.5	1247.6	1247.6	1249.3
52.5°	1166.2	1171.4	1157.5	1155.8	1169.6
55°	1077.8	1074.3	1069.1	1072.6	1081.2
57.5°	984.2	985.9	982.5	984.2	987.7
60°	894.1	890.6	885.4	876.8	894.1
62.5°	795.3	798.8	783.2	783.2	800.5
65°	696.6	700.0	687.9	686.2	698.3
67.5°	596.1	596.1	590.9	582.2	604.7
70°	497.3	497.3	488.6	488.6	504.2
72.5°	398.5	396.8	395.1	389.9	407.2
75°	305.0	308.4	305.0	298.0	315.4
77.5°	218.3	221.8	216.6	218.3	227.0
80°	142.1	142.1	142.1	140.4	150.8
82.5°	83.2	81.4	81.4	83.2	86.6
85°	34.7	34.7	34.7	36.4	38.1
87.5°	8.7	8.7	10.4	8.7	10.4
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	15.93	17.54	16.30	17.86	18.17	15.92	17.53	16.28	17.85	18.16
	3H	17.47	18.92	17.85	19.25	19.61	17.46	18.91	17.83	19.23	19.59
	4H	17.93	19.30	18.33	19.65	20.02	17.93	19.29	18.33	19.64	20.02
	6H	18.17	19.43	18.58	19.80	20.19	18.18	19.45	18.59	19.81	20.20
	8H	18.21	19.41	18.63	19.80	20.20	18.23	19.43	18.65	19.82	20.22
	12H	18.21	19.36	18.64	19.75	20.17	18.23	19.38	18.66	19.77	20.20
4H	2H	16.49	17.85	16.89	18.20	18.58	16.48	17.84	16.88	18.19	18.57
	3H	18.22	19.35	18.63	19.75	20.15	18.19	19.33	18.60	19.73	20.13
	4H	18.78	19.80	19.21	20.22	20.65	18.75	19.78	19.19	20.19	20.63
	6H	19.10	19.99	19.55	20.43	20.89	19.09	19.98	19.54	20.42	20.88
	8H	19.15	19.99	19.61	20.43	20.89	19.15	19.98	19.61	20.43	20.89
	12H	19.17	19.92	19.65	20.39	20.86	19.17	19.92	19.65	20.39	20.86
8H	4H	18.97	19.81	19.43	20.25	20.71	18.95	19.78	19.41	20.23	20.69
	6H	19.35	20.04	19.84	20.53	21.00	19.34	20.03	19.83	20.52	20.99
	8H	19.43	20.04	19.94	20.55	21.04	19.43	20.04	19.94	20.55	21.04
	12H	19.47	20.01	19.97	20.50	21.06	19.47	20.02	19.98	20.51	21.07
12H	4H	18.97	19.72	19.45	20.20	20.67	18.95	19.70	19.43	20.18	20.65
	6H	19.35	19.97	19.86	20.47	20.96	19.34	19.96	19.85	20.46	20.95
	8H	19.46	20.01	19.97	20.50	21.06	19.46	20.01	19.97	20.50	21.06