

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: P997381

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997381
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

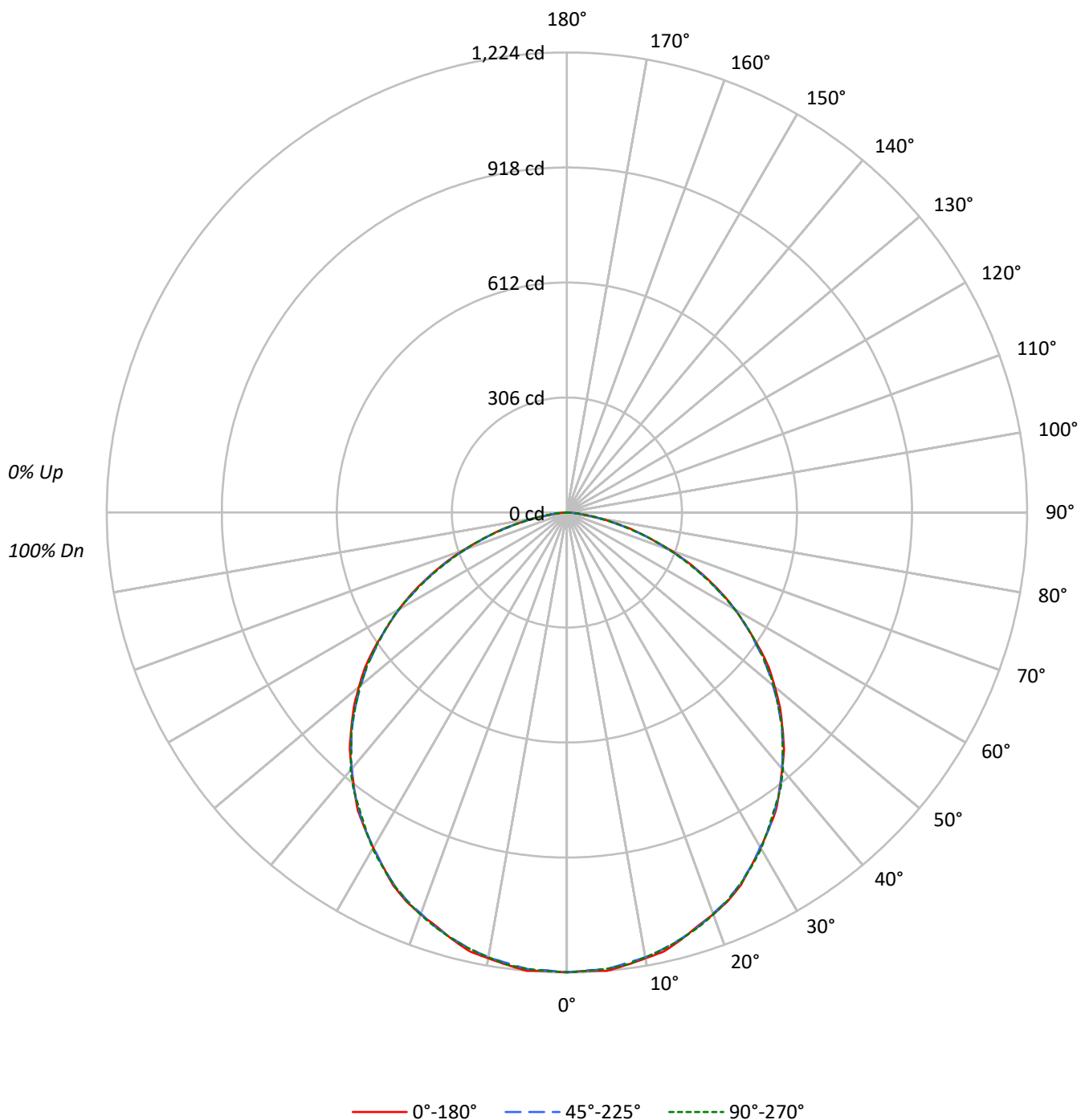
Lumens per Lamp: N/A
Luminaire Lumens: 3354.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P997381

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

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	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°	1905	1905	1905
5°	1914	1907	1905
10°	1905	1901	1901
15°	1896	1893	1895
20°	1886	1882	1887
25°	1881	1874	1876
30°	1853	1849	1858
35°	1843	1835	1830
40°	1810	1810	1818
45°	1786	1779	1783
50°	1749	1733	1740
55°	1691	1672	1680
60°	1608	1608	1611
65°	1499	1485	1481
70°	1337	1310	1314
75°	1120	1085	1073
80°	769	769	778
85°	406	406	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1786 cd/sqm

TEST NUMBER: P997381

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	3.5
10°-20°	331.4	9.9
20°-30°	501.9	15.0
30°-40°	603.6	18.0
40°-50°	623.1	18.6
50°-60°	553.5	16.5
60°-70°	398.4	11.9
70°-80°	192.8	5.7
80°-90°	33.6	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°	949.0	28.3
0°-40°	1552.6	46.3
0°-60°	2729.2	81.4
0°-90°	3354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1223	1223	1223	1223	1223	
5°	1224	1221	1219	1215	1218	116
15°	1176	1175	1174	1171	1175	332
25°	1094	1089	1090	1090	1091	503
35°	969	966	965	966	962	604
45°	811	810	808	808	810	626
55°	622	622	616	618	618	555
65°	407	404	403	399	402	402
75°	186	182	180	179	178	195
85°	23	23	23	23	25	33
90°	0	0	0	0	0	

TEST NUMBER: P997381

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1223.2	1223.2	1223.2	1223.2	1223.2
2.5°	1220.3	1220.3	1219.3	1220.3	1221.3
5°	1224.2	1221.3	1219.3	1215.4	1218.3
7.5°	1214.4	1211.4	1209.4	1206.5	1213.4
10°	1204.5	1204.5	1201.6	1196.6	1201.6
12.5°	1195.7	1189.8	1188.8	1187.8	1189.8
15°	1176.0	1175.0	1174.0	1171.0	1175.0
17.5°	1154.3	1157.3	1157.3	1157.3	1158.2
20°	1137.6	1135.6	1135.6	1135.6	1138.5
22.5°	1118.8	1114.9	1115.9	1111.9	1116.9
25°	1094.2	1089.3	1090.3	1090.3	1091.3
27.5°	1060.7	1060.7	1060.7	1061.7	1062.7
30°	1030.2	1032.2	1028.2	1027.2	1033.2
32.5°	998.7	998.7	999.7	995.7	996.7
35°	969.1	966.2	965.2	966.2	962.2
37.5°	928.8	930.7	929.7	928.8	931.7
40°	890.3	893.3	890.3	889.4	894.3
42.5°	854.9	851.9	849.0	847.0	849.0
45°	810.6	809.6	807.6	807.6	809.6
47.5°	769.2	767.2	762.3	761.3	762.3
50°	721.9	720.0	715.0	719.0	718.0
52.5°	676.6	672.7	667.8	669.7	669.7
55°	622.5	621.5	615.6	618.5	618.5
57.5°	566.3	570.3	568.3	567.3	568.3
60°	516.1	519.0	516.1	513.1	517.1
62.5°	463.9	461.9	458.0	458.0	458.0
65°	406.8	403.8	402.8	398.9	401.8
67.5°	350.6	347.7	345.7	344.7	344.7
70°	293.5	291.5	287.6	286.6	288.6
72.5°	234.4	235.4	233.4	231.5	234.4
75°	186.1	182.2	180.2	179.3	178.3
77.5°	132.0	130.0	129.0	129.0	130.0
80°	85.7	85.7	85.7	85.7	86.7
82.5°	49.2	50.2	49.2	51.2	52.2
85°	22.7	22.7	22.7	22.7	24.6
87.5°	7.9	6.9	6.9	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997381

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

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	14.03	15.65	14.40	15.96	16.28	14.00	15.62	14.37	15.94	16.25
	3H	15.61	17.07	15.99	17.40	17.76	15.56	17.01	15.93	17.34	17.70
	4H	16.10	17.47	16.50	17.82	18.20	16.03	17.40	16.43	17.75	18.13
	6H	16.36	17.62	16.77	17.99	18.38	16.29	17.56	16.70	17.92	18.31
	8H	16.40	17.61	16.82	18.00	18.39	16.33	17.54	16.76	17.93	18.33
	12H	16.40	17.56	16.83	17.94	18.37	16.35	17.50	16.78	17.89	18.31
4H	2H	14.61	15.98	15.01	16.32	16.70	14.58	15.95	14.98	16.30	16.68
	3H	16.37	17.52	16.78	17.91	18.31	16.32	17.46	16.73	17.86	18.26
	4H	16.96	17.99	17.39	18.40	18.84	16.90	17.92	17.33	18.34	18.77
	6H	17.30	18.19	17.75	18.63	19.09	17.23	18.13	17.69	18.57	19.03
	8H	17.36	18.19	17.82	18.64	19.10	17.30	18.14	17.76	18.58	19.05
	12H	17.38	18.13	17.86	18.61	19.07	17.33	18.08	17.81	18.56	19.03
8H	4H	17.16	18.00	17.62	18.44	18.91	17.10	17.94	17.56	18.38	18.85
	6H	17.56	18.25	18.05	18.74	19.21	17.50	18.19	18.00	18.68	19.16
	8H	17.65	18.27	18.16	18.77	19.26	17.60	18.22	18.11	18.73	19.21
	12H	17.69	18.24	18.20	18.73	19.29	17.65	18.20	18.16	18.69	19.25
12H	4H	17.17	17.92	17.65	18.39	18.86	17.11	17.86	17.59	18.33	18.80
	6H	17.56	18.18	18.07	18.69	19.18	17.51	18.13	18.02	18.63	19.12
	8H	17.68	18.23	18.19	18.72	19.28	17.64	18.19	18.15	18.68	19.24