

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: P997416

Luminaire Tested: FSP-24-L3C3-CP250-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-18)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP250-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

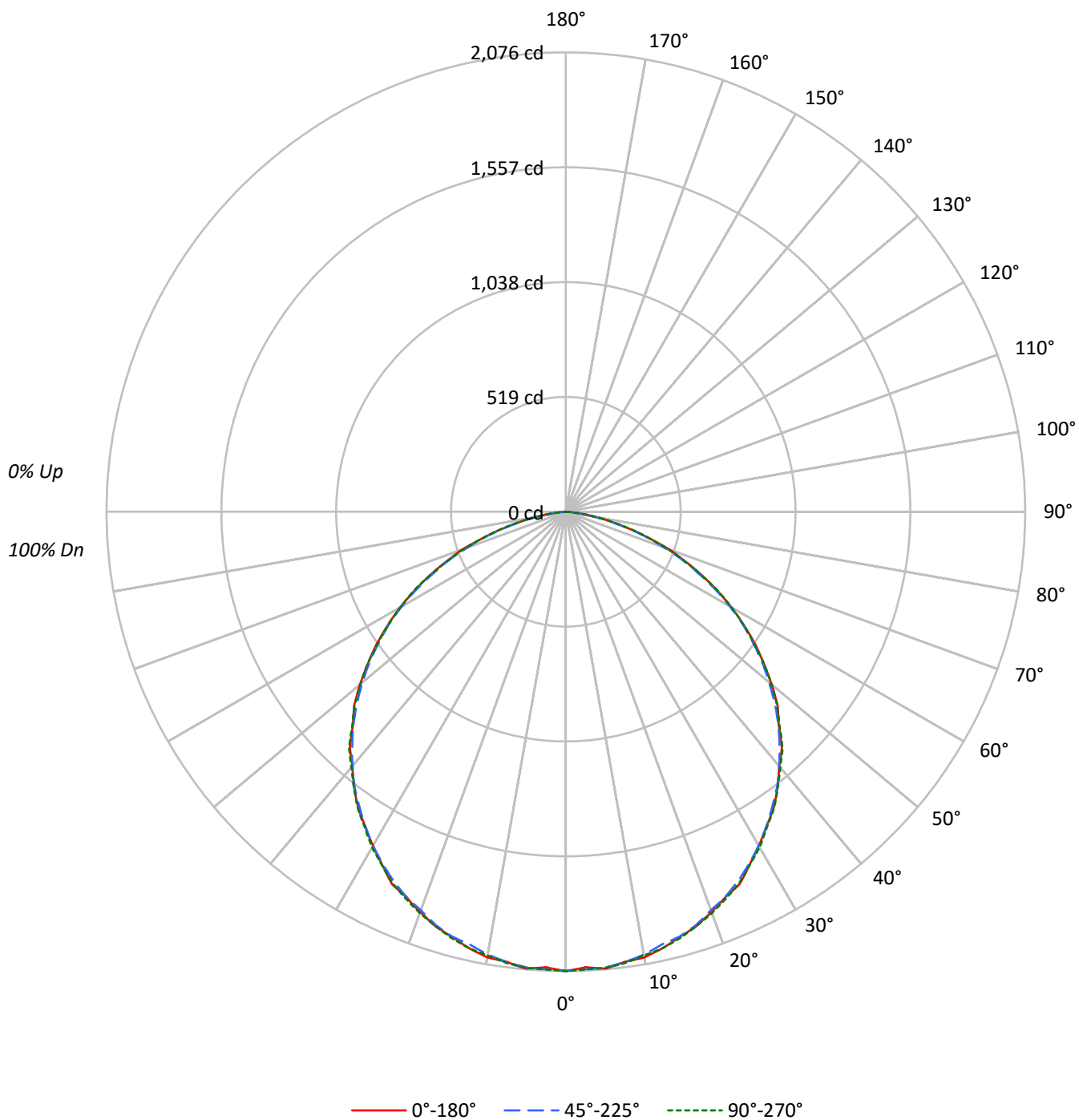
Lumens per Lamp: N/A
Luminaire Lumens: 5622.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

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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	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	95	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	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	54	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	47	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	41	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	37	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	33	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	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°	3233	3233	3233
5°	3240	3232	3235
10°	3234	3215	3220
15°	3208	3205	3216
20°	3191	3177	3200
25°	3192	3166	3183
30°	3135	3135	3151
35°	3110	3094	3117
40°	3051	3051	3065
45°	2996	2989	3008
50°	2943	2906	2939
55°	2837	2805	2819
60°	2694	2666	2694
65°	2497	2446	2491
70°	2265	2154	2209
75°	1815	1742	1846
80°	1275	1197	1290
85°	620	558	620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	3.5
10°-20°	561.6	10.0
20°-30°	850.0	15.1
30°-40°	1020.0	18.1
40°-50°	1050.1	18.7
50°-60°	924.8	16.4
60°-70°	657.6	11.7
70°-80°	311.9	5.5
80°-90°	49.7	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°	1607.9	28.6
0°-40°	2627.9	46.7
0°-60°	4602.8	81.9
0°-90°	5622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2076	2076	2076	2076	2076	
5°	2072	2069	2067	2072	2069	196
15°	1989	1991	1987	1989	1994	562
25°	1857	1850	1842	1845	1852	851
35°	1636	1634	1627	1632	1639	1020
45°	1360	1362	1357	1362	1365	1054
55°	1045	1031	1033	1038	1038	932
65°	678	646	664	667	676	670
75°	302	276	289	295	307	322
85°	35	30	31	33	35	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2075.7	2075.7	2075.7	2075.7	2075.7
2.5°	2060.1	2077.5	2068.8	2070.5	2070.5
5°	2072.3	2068.8	2067.1	2072.3	2068.8
7.5°	2051.5	2060.1	2051.5	2056.7	2056.7
10°	2044.5	2039.3	2032.4	2030.7	2035.9
12.5°	2020.3	2016.8	2003.0	2018.5	2020.3
15°	1989.1	1990.8	1987.4	1989.1	1994.3
17.5°	1963.1	1963.1	1957.9	1961.4	1963.1
20°	1925.0	1933.6	1916.3	1925.0	1930.2
22.5°	1885.1	1888.6	1883.4	1885.1	1892.1
25°	1857.4	1850.5	1841.8	1845.3	1852.2
27.5°	1798.5	1802.0	1793.3	1795.0	1800.2
30°	1743.1	1741.3	1743.1	1743.1	1751.7
32.5°	1687.6	1687.6	1685.9	1685.9	1691.1
35°	1635.6	1633.9	1627.0	1632.2	1639.1
37.5°	1571.5	1569.8	1568.1	1569.8	1573.3
40°	1500.5	1505.7	1500.5	1502.2	1507.4
42.5°	1445.0	1438.1	1429.4	1439.8	1450.2
45°	1360.1	1361.9	1356.7	1361.9	1365.3
47.5°	1297.8	1280.4	1280.4	1287.4	1294.3
50°	1214.6	1202.5	1199.0	1207.7	1212.9
52.5°	1128.0	1117.6	1119.3	1122.8	1129.7
55°	1044.8	1030.9	1032.7	1037.9	1037.9
57.5°	954.7	937.4	949.5	951.2	953.0
60°	864.6	843.8	855.9	857.7	864.6
62.5°	771.0	745.0	764.1	765.8	776.2
65°	677.5	646.3	663.6	667.1	675.7
67.5°	580.4	554.4	573.5	568.3	578.7
70°	497.3	459.2	473.0	476.5	485.1
72.5°	389.8	363.9	384.6	382.9	389.8
75°	301.5	275.5	289.4	294.6	306.7
77.5°	213.1	195.8	207.9	213.1	216.6
80°	142.1	128.2	133.4	138.6	143.8
82.5°	81.4	71.0	76.2	76.2	78.0
85°	34.7	29.5	31.2	32.9	34.7
87.5°	8.7	6.9	6.9	6.9	6.9
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	15.73	17.34	16.09	17.65	17.97	15.81	17.42	16.17	17.73	18.05
	3H	17.27	18.72	17.65	19.05	19.41	17.35	18.80	17.72	19.12	19.48
	4H	17.74	19.10	18.13	19.45	19.82	17.83	19.19	18.23	19.54	19.91
	6H	17.97	19.23	18.38	19.60	19.99	18.08	19.34	18.49	19.70	20.09
	8H	18.01	19.21	18.44	19.60	20.00	18.11	19.31	18.54	19.70	20.10
	12H	18.02	19.17	18.45	19.55	19.98	18.11	19.26	18.54	19.65	20.07
4H	2H	16.30	17.66	16.70	18.01	18.39	16.37	17.73	16.77	18.08	18.45
	3H	18.01	19.15	18.42	19.55	19.95	18.09	19.23	18.50	19.62	20.02
	4H	18.55	19.57	18.98	19.99	20.42	18.66	19.68	19.09	20.10	20.54
	6H	18.86	19.75	19.32	20.19	20.65	18.99	19.88	19.45	20.32	20.78
	8H	18.92	19.75	19.38	20.19	20.65	19.05	19.88	19.51	20.32	20.79
	12H	18.93	19.68	19.41	20.15	20.62	19.06	19.81	19.54	20.28	20.75
8H	4H	18.75	19.58	19.21	20.02	20.48	18.85	19.68	19.31	20.12	20.59
	6H	19.10	19.79	19.60	20.28	20.76	19.23	19.92	19.73	20.41	20.89
	8H	19.18	19.80	19.69	20.30	20.79	19.31	19.93	19.82	20.43	20.92
	12H	19.22	19.76	19.72	20.25	20.81	19.35	19.89	19.86	20.38	20.94
12H	4H	18.75	19.49	19.23	19.97	20.44	18.85	19.59	19.33	20.07	20.54
	6H	19.10	19.72	19.62	20.23	20.71	19.23	19.85	19.74	20.35	20.84
	8H	19.21	19.75	19.72	20.25	20.81	19.34	19.88	19.85	20.37	20.94