

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: P997417

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997417
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

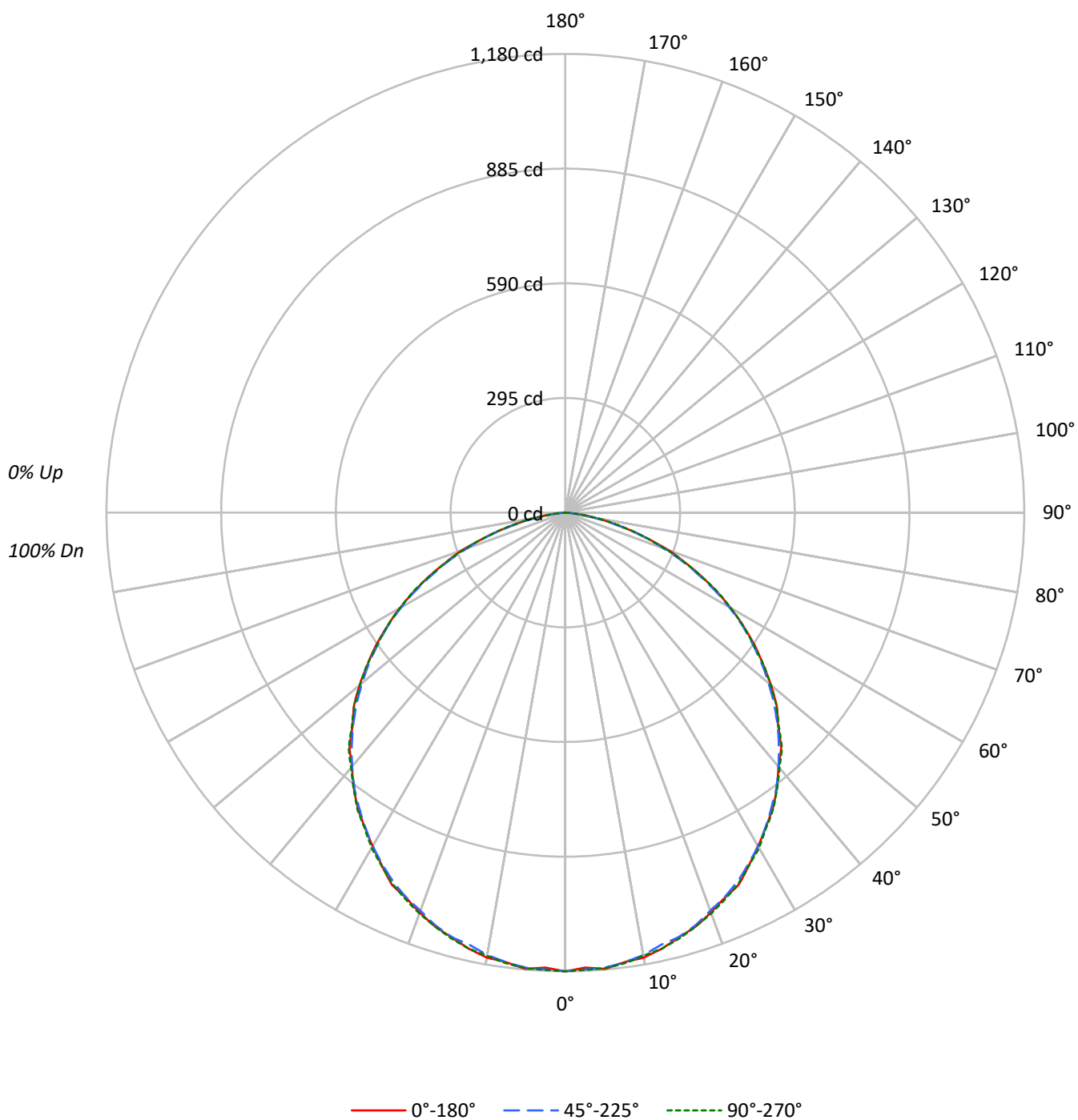
Lumens per Lamp: N/A
Luminaire Lumens: 3196.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1838	1838	1838
5°	1842	1837	1839
10°	1838	1828	1831
15°	1824	1822	1828
20°	1814	1806	1819
25°	1815	1800	1810
30°	1782	1782	1791
35°	1768	1759	1772
40°	1735	1735	1742
45°	1703	1699	1710
50°	1673	1652	1671
55°	1613	1594	1602
60°	1531	1516	1531
65°	1419	1390	1416
70°	1288	1225	1256
75°	1032	990	1049
80°	725	680	734
85°	352	316	352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	3.5
10°-20°	319.2	10.0
20°-30°	483.2	15.1
30°-40°	579.8	18.1
40°-50°	596.9	18.7
50°-60°	525.7	16.4
60°-70°	373.8	11.7
70°-80°	177.3	5.5
80°-90°	28.2	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°	914.1	28.6
0°-40°	1493.9	46.7
0°-60°	2616.6	81.9
0°-90°	3196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1178	1176	1175	1178	1176	112
15°	1131	1132	1130	1131	1134	320
25°	1056	1052	1047	1049	1053	484
35°	930	929	925	928	932	580
45°	773	774	771	774	776	599
55°	594	586	587	590	590	530
65°	385	367	377	379	384	381
75°	171	157	164	167	174	183
85°	20	17	18	19	20	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1171.1	1181.0	1176.1	1177.1	1177.1
5°	1178.0	1176.1	1175.1	1178.0	1176.1
7.5°	1166.2	1171.1	1166.2	1169.2	1169.2
10°	1162.3	1159.3	1155.4	1154.4	1157.4
12.5°	1148.5	1146.5	1138.6	1147.5	1148.5
15°	1130.8	1131.7	1129.8	1130.8	1133.7
17.5°	1116.0	1116.0	1113.0	1115.0	1116.0
20°	1094.3	1099.2	1089.4	1094.3	1097.3
22.5°	1071.7	1073.6	1070.7	1071.7	1075.6
25°	1055.9	1052.0	1047.0	1049.0	1052.9
27.5°	1022.4	1024.4	1019.5	1020.4	1023.4
30°	990.9	989.9	990.9	990.9	995.8
32.5°	959.4	959.4	958.4	958.4	961.3
35°	929.8	928.8	924.9	927.9	931.8
37.5°	893.4	892.4	891.4	892.4	894.4
40°	853.0	855.9	853.0	854.0	856.9
42.5°	821.5	817.5	812.6	818.5	824.4
45°	773.2	774.2	771.2	774.2	776.2
47.5°	737.8	727.9	727.9	731.8	735.8
50°	690.5	683.6	681.6	686.5	689.5
52.5°	641.2	635.3	636.3	638.3	642.2
55°	593.9	586.1	587.0	590.0	590.0
57.5°	542.7	532.9	539.8	540.8	541.7
60°	491.5	479.7	486.6	487.6	491.5
62.5°	438.3	423.5	434.4	435.4	441.3
65°	385.1	367.4	377.2	379.2	384.1
67.5°	330.0	315.2	326.0	323.1	329.0
70°	282.7	261.0	268.9	270.9	275.8
72.5°	221.6	206.8	218.7	217.7	221.6
75°	171.4	156.6	164.5	167.4	174.3
77.5°	121.2	111.3	118.2	121.2	123.1
80°	80.8	72.9	75.8	78.8	81.8
82.5°	46.3	40.4	43.3	43.3	44.3
85°	19.7	16.7	17.7	18.7	19.7
87.5°	4.9	3.9	3.9	3.9	3.9
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	13.76	15.37	14.13	15.69	16.00	13.85	15.46	14.21	15.77	16.08
	3H	15.31	16.76	15.69	17.09	17.45	15.38	16.83	15.76	17.16	17.52
	4H	15.77	17.14	16.17	17.48	17.86	15.86	17.23	16.26	17.57	17.95
	6H	16.01	17.27	16.42	17.64	18.03	16.11	17.37	16.52	17.74	18.13
	8H	16.05	17.25	16.47	17.64	18.04	16.15	17.35	16.57	17.74	18.14
	12H	16.05	17.20	16.48	17.59	18.01	16.15	17.30	16.58	17.68	18.11
4H	2H	14.34	15.70	14.74	16.05	16.43	14.40	15.77	14.80	16.11	16.49
	3H	16.05	17.19	16.46	17.58	17.98	16.13	17.26	16.54	17.66	18.06
	4H	16.59	17.61	17.02	18.02	18.46	16.70	17.72	17.13	18.14	18.57
	6H	16.90	17.79	17.35	18.23	18.69	17.03	17.92	17.49	18.36	18.82
	8H	16.95	17.78	17.41	18.23	18.69	17.08	17.92	17.55	18.36	18.82
	12H	16.97	17.71	17.45	18.19	18.66	17.10	17.84	17.58	18.32	18.79
8H	4H	16.78	17.61	17.24	18.06	18.52	16.89	17.72	17.35	18.16	18.62
	6H	17.14	17.83	17.64	18.32	18.79	17.27	17.96	17.77	18.45	18.92
	8H	17.22	17.83	17.73	18.34	18.83	17.35	17.96	17.86	18.47	18.96
	12H	17.25	17.80	17.76	18.29	18.85	17.39	17.93	17.89	18.42	18.98
12H	4H	16.79	17.53	17.27	18.01	18.48	16.88	17.63	17.37	18.10	18.57
	6H	17.14	17.76	17.65	18.27	18.75	17.27	17.88	17.78	18.39	18.88
	8H	17.25	17.79	17.76	18.28	18.85	17.38	17.92	17.89	18.41	18.97