

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: P997418

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997418
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

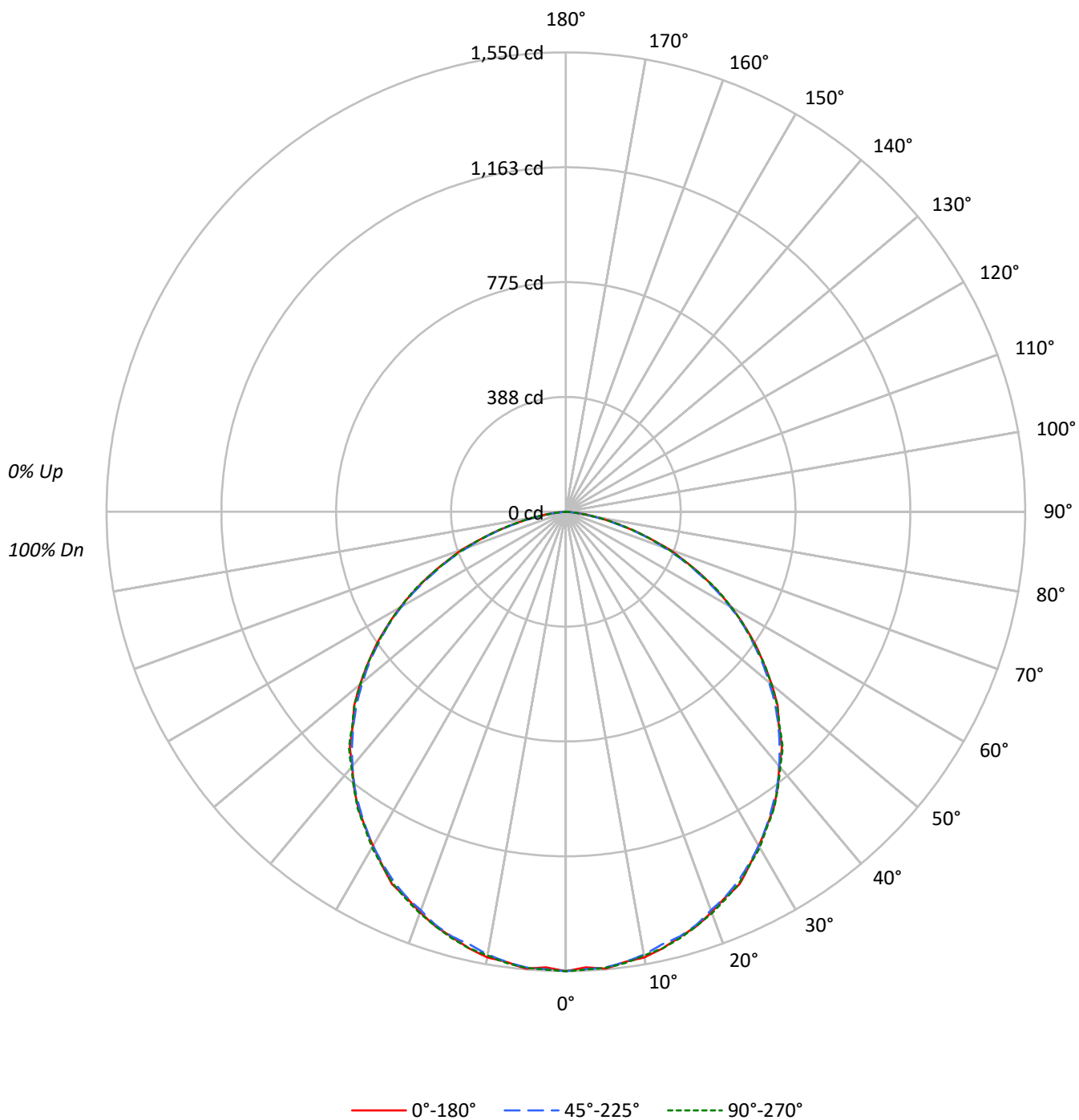
Lumens per Lamp: N/A
Luminaire Lumens: 4198.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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
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°	2414	2414	2414
5°	2420	2413	2416
10°	2415	2400	2405
15°	2395	2393	2402
20°	2383	2372	2389
25°	2384	2364	2377
30°	2341	2341	2353
35°	2322	2310	2327
40°	2278	2278	2289
45°	2237	2232	2246
50°	2198	2170	2195
55°	2119	2094	2105
60°	2011	1991	2011
65°	1865	1826	1860
70°	1691	1609	1650
75°	1355	1301	1378
80°	952	893	963
85°	463	416	463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2246 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	3.5
10°-20°	419.3	10.0
20°-30°	634.7	15.1
30°-40°	761.6	18.1
40°-50°	784.1	18.7
50°-60°	690.5	16.4
60°-70°	491.0	11.7
70°-80°	232.9	5.5
80°-90°	37.1	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°	1200.7	28.6
0°-40°	1962.3	46.7
0°-60°	3436.9	81.9
0°-90°	4198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1550	1550	1550	1550	1550	
5°	1547	1545	1544	1547	1545	147
15°	1485	1487	1484	1485	1489	420
25°	1387	1382	1375	1378	1383	635
35°	1221	1220	1215	1219	1224	762
45°	1016	1017	1013	1017	1020	787
55°	780	770	771	775	775	696
65°	506	483	496	498	505	500
75°	225	206	216	220	229	241
85°	26	22	23	25	26	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.0	1550.0	1550.0	1550.0	1550.0
2.5°	1538.3	1551.3	1544.8	1546.1	1546.1
5°	1547.4	1544.8	1543.5	1547.4	1544.8
7.5°	1531.8	1538.3	1531.8	1535.7	1535.7
10°	1526.7	1522.8	1517.6	1516.3	1520.2
12.5°	1508.6	1506.0	1495.6	1507.3	1508.6
15°	1485.3	1486.6	1484.0	1485.3	1489.2
17.5°	1465.9	1465.9	1462.0	1464.6	1465.9
20°	1437.4	1443.9	1430.9	1437.4	1441.3
22.5°	1407.6	1410.2	1406.4	1407.6	1412.8
25°	1386.9	1381.8	1375.3	1377.9	1383.1
27.5°	1343.0	1345.5	1339.1	1340.4	1344.2
30°	1301.6	1300.3	1301.6	1301.6	1308.0
32.5°	1260.2	1260.2	1258.9	1258.9	1262.7
35°	1221.3	1220.0	1214.9	1218.8	1223.9
37.5°	1173.5	1172.2	1170.9	1172.2	1174.8
40°	1120.4	1124.3	1120.4	1121.7	1125.6
42.5°	1079.0	1073.8	1067.4	1075.1	1082.9
45°	1015.6	1016.9	1013.0	1016.9	1019.5
47.5°	969.0	956.1	956.1	961.3	966.5
50°	906.9	897.9	895.3	901.8	905.7
52.5°	842.3	834.5	835.8	838.4	843.6
55°	780.2	769.8	771.1	775.0	775.0
57.5°	712.9	699.9	709.0	710.3	711.6
60°	645.6	630.1	639.1	640.4	645.6
62.5°	575.7	556.3	570.6	571.9	579.6
65°	505.9	482.6	495.5	498.1	504.6
67.5°	433.4	414.0	428.2	424.4	432.1
70°	371.3	342.9	353.2	355.8	362.3
72.5°	291.1	271.7	287.2	285.9	291.1
75°	225.1	205.7	216.1	219.9	229.0
77.5°	159.1	146.2	155.3	159.1	161.7
80°	106.1	95.7	99.6	103.5	107.4
82.5°	60.8	53.0	56.9	56.9	58.2
85°	25.9	22.0	23.3	24.6	25.9
87.5°	6.5	5.2	5.2	5.2	5.2
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	14.71	16.32	15.08	16.64	16.95	14.79	16.40	15.16	16.72	17.03
	3H	16.26	17.71	16.63	18.03	18.39	16.33	17.78	16.71	18.11	18.47
	4H	16.72	18.08	17.12	18.43	18.81	16.81	18.17	17.21	18.52	18.90
	6H	16.96	18.22	17.37	18.58	18.97	17.06	18.32	17.47	18.69	19.08
	8H	17.00	18.20	17.42	18.59	18.99	17.10	18.30	17.52	18.69	19.09
	12H	17.00	18.15	17.43	18.53	18.96	17.10	18.25	17.53	18.63	19.06
4H	2H	15.29	16.65	15.68	17.00	17.37	15.35	16.71	15.75	17.06	17.44
	3H	17.00	18.13	17.41	18.53	18.93	17.08	18.21	17.49	18.61	19.01
	4H	17.54	18.56	17.97	18.97	19.41	17.65	18.67	18.08	19.08	19.52
	6H	17.85	18.73	18.30	19.18	19.63	17.98	18.87	18.43	19.31	19.77
	8H	17.90	18.73	18.36	19.17	19.64	18.03	18.86	18.49	19.31	19.77
	12H	17.92	18.66	18.40	19.14	19.61	18.05	18.79	18.53	19.27	19.74
8H	4H	17.73	18.56	18.19	19.00	19.47	17.83	18.66	18.29	19.11	19.57
	6H	18.09	18.78	18.58	19.26	19.74	18.22	18.91	18.71	19.39	19.87
	8H	18.17	18.78	18.68	19.29	19.77	18.30	18.91	18.81	19.42	19.91
	12H	18.20	18.74	18.71	19.23	19.80	18.33	18.88	18.84	19.37	19.93
12H	4H	17.73	18.48	18.21	18.95	19.42	17.83	18.58	18.31	19.05	19.52
	6H	18.09	18.71	18.60	19.21	19.70	18.22	18.83	18.73	19.34	19.83
	8H	18.20	18.74	18.71	19.23	19.79	18.33	18.87	18.83	19.36	19.92