

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: P997424

Luminaire Tested: FSP-24-L3C3-CP250-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997424
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-CP250-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

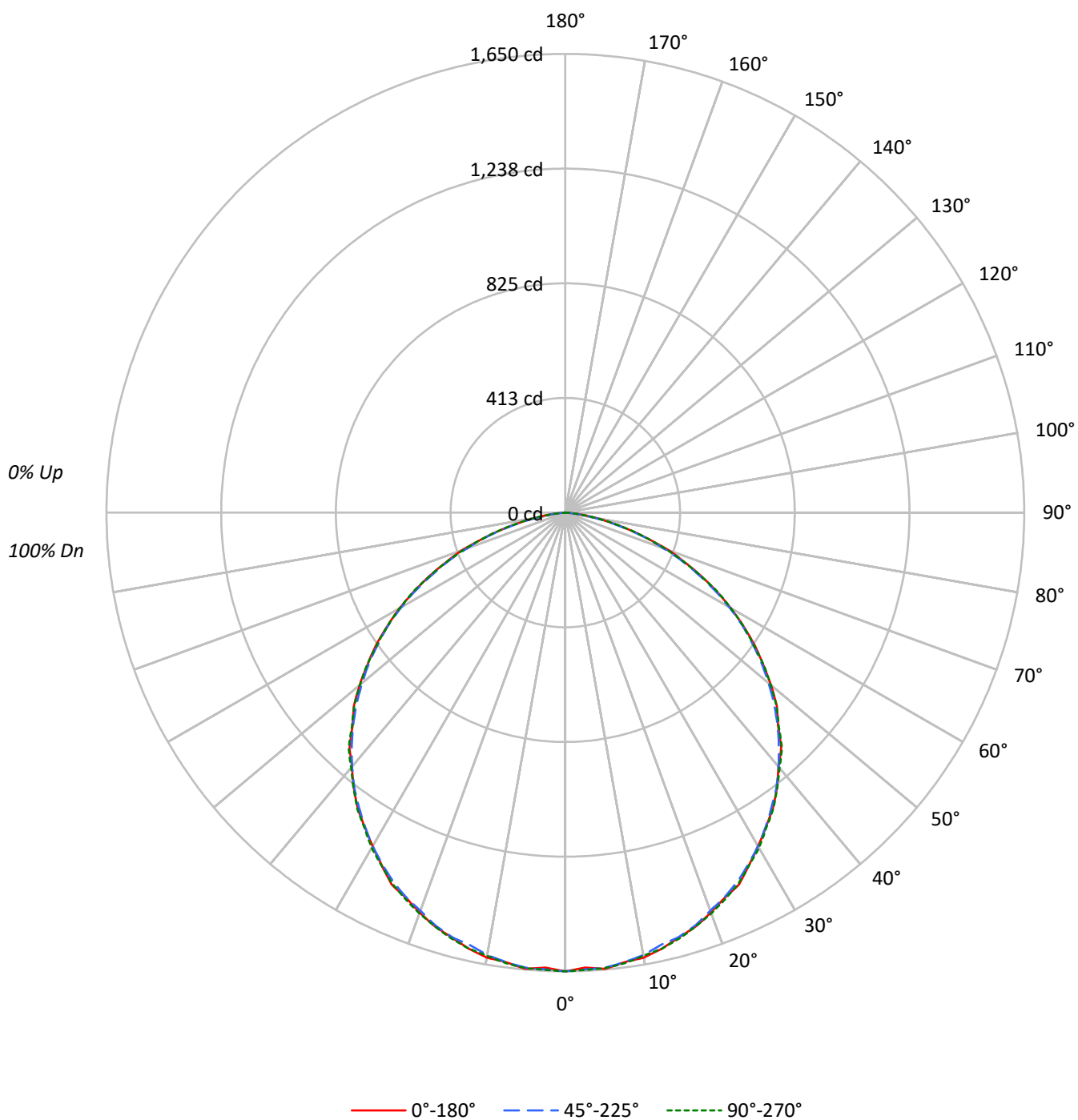
Lumens per Lamp: N/A
Luminaire Lumens: 4469.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	2570	2570	2570
5°	2576	2569	2571
10°	2571	2555	2560
15°	2550	2548	2557
20°	2537	2525	2543
25°	2538	2516	2530
30°	2492	2492	2505
35°	2472	2459	2478
40°	2425	2425	2437
45°	2382	2376	2391
50°	2340	2310	2336
55°	2255	2229	2241
60°	2141	2120	2141
65°	1985	1944	1980
70°	1800	1712	1756
75°	1443	1384	1467
80°	1013	952	1025
85°	491	443	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2391 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	3.5
10°-20°	446.4	10.0
20°-30°	675.7	15.1
30°-40°	810.8	18.1
40°-50°	834.7	18.7
50°-60°	735.1	16.4
60°-70°	522.7	11.7
70°-80°	248.0	5.5
80°-90°	39.5	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°	1278.2	28.6
0°-40°	2089.0	46.7
0°-60°	3658.8	81.9
0°-90°	4469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4469.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1647	1644	1643	1647	1644	156
15°	1581	1582	1580	1581	1585	447
25°	1476	1471	1464	1467	1472	676
35°	1300	1299	1293	1297	1303	811
45°	1081	1083	1078	1083	1085	838
55°	830	820	821	825	825	741
65°	538	514	528	530	537	533
75°	240	219	230	234	244	256
85°	28	23	25	26	28	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1650.0	1650.0	1650.0	1650.0	1650.0
2.5°	1637.6	1651.4	1644.5	1645.9	1645.9
5°	1647.3	1644.5	1643.1	1647.3	1644.5
7.5°	1630.7	1637.6	1630.7	1634.9	1634.9
10°	1625.2	1621.1	1615.6	1614.2	1618.3
12.5°	1605.9	1603.2	1592.2	1604.6	1605.9
15°	1581.2	1582.5	1579.8	1581.2	1585.3
17.5°	1560.5	1560.5	1556.4	1559.1	1560.5
20°	1530.2	1537.1	1523.3	1530.2	1534.3
22.5°	1498.5	1501.3	1497.1	1498.5	1504.0
25°	1476.5	1471.0	1464.1	1466.8	1472.3
27.5°	1429.6	1432.4	1425.5	1426.9	1431.0
30°	1385.6	1384.2	1385.6	1385.6	1392.5
32.5°	1341.5	1341.5	1340.1	1340.1	1344.3
35°	1300.2	1298.8	1293.3	1297.4	1302.9
37.5°	1249.2	1247.8	1246.5	1247.8	1250.6
40°	1192.8	1196.9	1192.8	1194.1	1198.3
42.5°	1148.7	1143.2	1136.3	1144.5	1152.8
45°	1081.2	1082.6	1078.4	1082.6	1085.3
47.5°	1031.6	1017.8	1017.8	1023.3	1028.9
50°	965.5	955.9	953.1	960.0	964.1
52.5°	896.6	888.4	889.7	892.5	898.0
55°	830.5	819.5	820.9	825.0	825.0
57.5°	758.9	745.1	754.8	756.1	757.5
60°	687.3	670.8	680.4	681.8	687.3
62.5°	612.9	592.2	607.4	608.8	617.0
65°	538.5	513.7	527.5	530.3	537.2
67.5°	461.4	440.7	455.9	451.8	460.0
70°	395.3	365.0	376.0	378.8	385.6
72.5°	309.9	289.2	305.8	304.4	309.9
75°	239.7	219.0	230.0	234.1	243.8
77.5°	169.4	155.6	165.3	169.4	172.2
80°	112.9	101.9	106.1	110.2	114.3
82.5°	64.7	56.5	60.6	60.6	62.0
85°	27.5	23.4	24.8	26.2	27.5
87.5°	6.9	5.5	5.5	5.5	5.5
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	14.93	16.54	15.29	16.85	17.17	15.01	16.62	15.38	16.93	17.25
	3H	16.47	17.92	16.85	18.25	18.61	16.55	18.00	16.93	18.32	18.69
	4H	16.94	18.30	17.34	18.65	19.02	17.03	18.39	17.43	18.74	19.12
	6H	17.18	18.44	17.59	18.80	19.19	17.28	18.54	17.69	18.90	19.29
	8H	17.21	18.42	17.64	18.81	19.20	17.31	18.52	17.74	18.91	19.30
	12H	17.22	18.37	17.65	18.75	19.18	17.32	18.47	17.75	18.85	19.28
4H	2H	15.50	16.87	15.90	17.21	17.59	15.57	16.93	15.97	17.28	17.66
	3H	17.22	18.35	17.63	18.75	19.15	17.29	18.43	17.70	18.83	19.23
	4H	17.75	18.77	18.18	19.19	19.63	17.87	18.89	18.30	19.30	19.74
	6H	18.06	18.95	18.52	19.39	19.85	18.20	19.09	18.65	19.53	19.98
	8H	18.12	18.95	18.58	19.39	19.86	18.25	19.08	18.71	19.52	19.99
	12H	18.13	18.88	18.62	19.35	19.82	18.27	19.01	18.75	19.49	19.95
8H	4H	17.95	18.78	18.41	19.22	19.69	18.05	18.88	18.51	19.32	19.79
	6H	18.31	18.99	18.80	19.48	19.96	18.44	19.12	18.93	19.61	20.09
	8H	18.38	19.00	18.89	19.51	19.99	18.51	19.13	19.03	19.64	20.12
	12H	18.42	18.96	18.93	19.45	20.01	18.55	19.09	19.06	19.58	20.15
12H	4H	17.95	18.69	18.43	19.17	19.64	18.05	18.79	18.53	19.27	19.74
	6H	18.31	18.92	18.82	19.43	19.92	18.43	19.05	18.94	19.56	20.04
	8H	18.42	18.96	18.92	19.45	20.01	18.54	19.09	19.05	19.58	20.14