

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: P997406

Luminaire Tested: FSP-24-L3C3-CP125-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP125-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

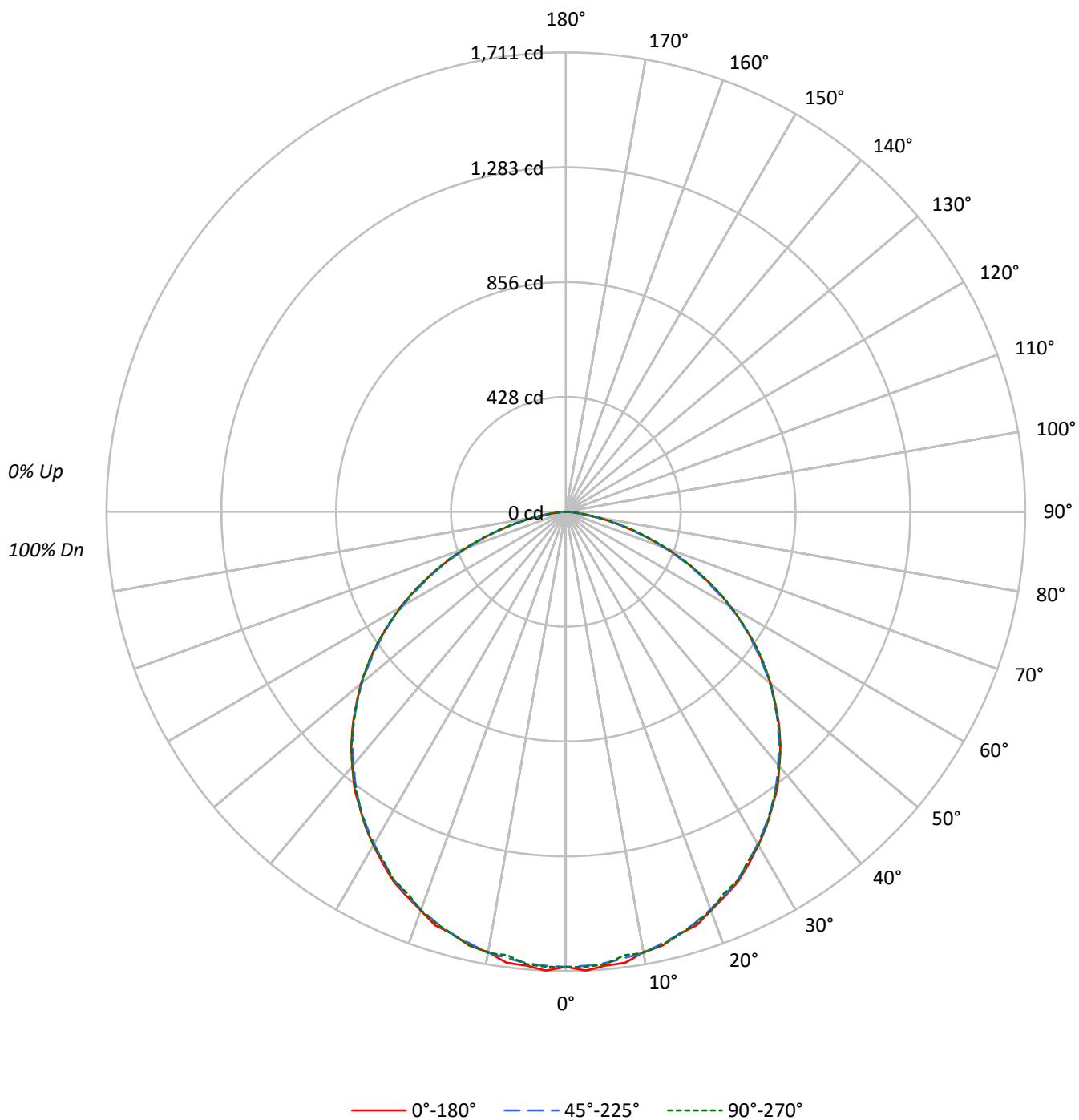
Lumens per Lamp: N/A
Luminaire Lumens: 4626.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	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°	2641	2641	2641
5°	2653	2638	2645
10°	2634	2638	2638
15°	2625	2627	2630
20°	2619	2612	2616
25°	2611	2601	2604
30°	2579	2569	2579
35°	2548	2543	2546
40°	2515	2501	2515
45°	2473	2464	2464
50°	2413	2403	2406
55°	2327	2308	2334
60°	2214	2193	2214
65°	2041	2015	2046
70°	1800	1769	1825
75°	1459	1459	1509
80°	1013	1013	1075
85°	491	491	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	3.5
10°-20°	459.9	9.9
20°-30°	696.5	15.1
30°-40°	837.3	18.1
40°-50°	863.2	18.7
50°-60°	762.4	16.5
60°-70°	543.7	11.8
70°-80°	259.5	5.6
80°-90°	43.0	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°	1316.9	28.5
0°-40°	2154.2	46.6
0°-60°	3779.8	81.7
0°-90°	4626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1695	1695	1695	1695	1695	
5°	1697	1688	1687	1684	1691	161
15°	1628	1632	1629	1628	1631	461
25°	1519	1514	1514	1511	1515	698
35°	1340	1336	1337	1339	1339	839
45°	1122	1120	1118	1120	1118	865
55°	857	854	850	852	859	764
65°	554	556	547	545	555	547
75°	242	245	242	237	251	260
85°	28	28	28	29	30	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1695.4	1695.4	1695.4	1695.4	1695.4
2.5°	1710.6	1695.4	1692.7	1695.4	1696.8
5°	1696.8	1688.5	1687.2	1684.4	1691.3
7.5°	1694.1	1683.0	1676.2	1676.2	1666.5
10°	1665.1	1670.6	1667.9	1662.4	1667.9
12.5°	1655.5	1650.0	1647.2	1647.2	1652.7
15°	1627.9	1632.1	1629.3	1627.9	1630.7
17.5°	1615.6	1608.7	1604.5	1603.2	1607.3
20°	1579.7	1575.6	1575.6	1577.0	1578.4
22.5°	1549.4	1543.9	1545.3	1549.4	1538.4
25°	1519.1	1513.6	1513.6	1510.9	1515.0
27.5°	1476.4	1473.7	1470.9	1473.7	1468.2
30°	1433.8	1429.6	1428.2	1432.4	1433.8
32.5°	1389.7	1386.9	1384.2	1385.5	1388.3
35°	1340.1	1336.0	1337.3	1338.7	1338.7
37.5°	1294.6	1287.8	1286.4	1290.5	1289.1
40°	1236.8	1239.6	1229.9	1235.4	1236.8
42.5°	1183.1	1177.6	1173.4	1185.8	1181.7
45°	1122.5	1119.7	1118.4	1119.7	1118.4
47.5°	1057.8	1059.1	1055.0	1060.5	1056.4
50°	995.8	997.2	991.6	991.6	993.0
52.5°	926.9	931.0	920.0	918.6	929.7
55°	856.7	853.9	849.8	852.5	859.4
57.5°	782.3	783.7	780.9	782.3	785.1
60°	710.7	707.9	703.8	696.9	710.7
62.5°	632.2	634.9	622.5	622.5	636.3
65°	553.7	556.4	546.8	545.4	555.0
67.5°	473.8	473.8	469.7	462.8	480.7
70°	395.3	395.3	388.4	388.4	400.8
72.5°	316.8	315.4	314.0	309.9	323.7
75°	242.4	245.2	242.4	236.9	250.7
77.5°	173.5	176.3	172.2	173.5	180.4
80°	112.9	112.9	112.9	111.6	119.8
82.5°	66.1	64.7	64.7	66.1	68.9
85°	27.5	27.5	27.5	28.9	30.3
87.5°	6.9	6.9	8.3	6.9	8.3
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	15.13	16.75	15.50	17.06	17.37	15.12	16.73	15.49	17.05	17.36
	3H	16.67	18.13	17.05	18.45	18.81	16.66	18.11	17.03	18.44	18.80
	4H	17.14	18.50	17.54	18.85	19.23	17.13	18.50	17.53	18.84	19.22
	6H	17.37	18.64	17.78	19.00	19.39	17.39	18.65	17.80	19.01	19.40
	8H	17.41	18.61	17.83	19.00	19.40	17.43	18.63	17.85	19.02	19.42
	12H	17.41	18.57	17.84	18.95	19.38	17.43	18.59	17.86	18.97	19.40
4H	2H	15.69	17.06	16.09	17.40	17.78	15.68	17.05	16.08	17.39	17.77
	3H	17.42	18.56	17.83	18.95	19.35	17.40	18.53	17.81	18.93	19.33
	4H	17.98	19.01	18.41	19.42	19.86	17.96	18.98	18.39	19.40	19.83
	6H	18.30	19.19	18.76	19.63	20.09	18.29	19.18	18.75	19.62	20.08
	8H	18.35	19.19	18.82	19.63	20.10	18.35	19.18	18.81	19.63	20.09
	12H	18.37	19.12	18.85	19.59	20.06	18.37	19.12	18.85	19.60	20.07
8H	4H	18.18	19.01	18.64	19.45	19.92	18.15	18.99	18.61	19.43	19.89
	6H	18.55	19.24	19.05	19.73	20.20	18.54	19.23	19.04	19.72	20.19
	8H	18.63	19.25	19.14	19.75	20.24	18.63	19.25	19.14	19.75	20.24
	12H	18.67	19.21	19.18	19.70	20.27	18.67	19.22	19.18	19.71	20.27
12H	4H	18.18	18.92	18.66	19.40	19.87	18.16	18.90	18.64	19.38	19.85
	6H	18.55	19.17	19.06	19.68	20.16	18.54	19.16	19.05	19.67	20.15
	8H	18.66	19.21	19.17	19.70	20.26	18.66	19.21	19.17	19.70	20.26