

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: P997430

Luminaire Tested: FSP-24-L3C3-CP375-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP375-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

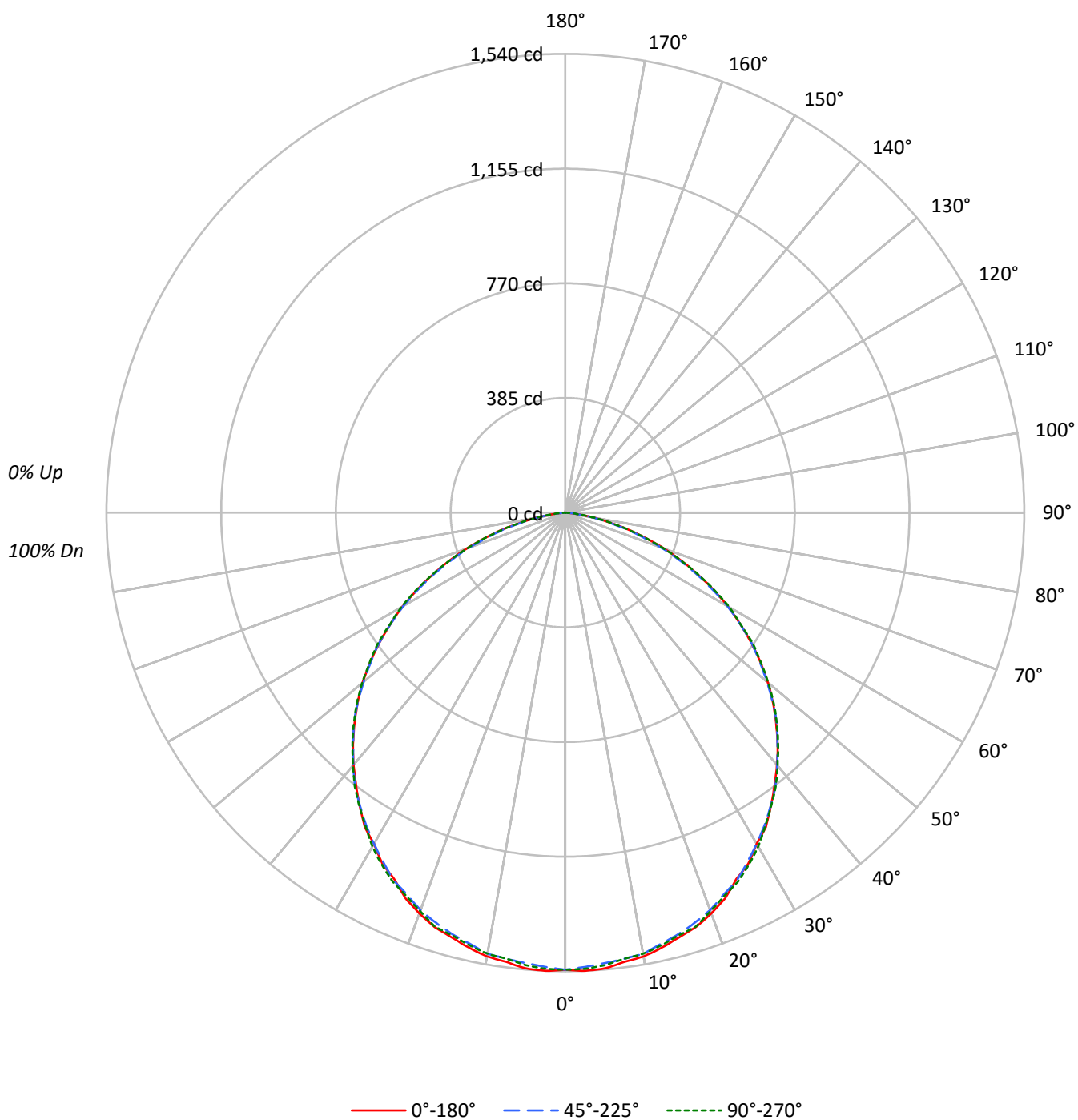
Lumens per Lamp: N/A
Luminaire Lumens: 4129.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	87	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2391	2391	2391
5°	2402	2375	2385
10°	2394	2379	2379
15°	2380	2363	2370
20°	2374	2354	2361
25°	2333	2342	2351
30°	2310	2310	2329
35°	2287	2285	2290
40°	2248	2250	2253
45°	2203	2212	2212
50°	2152	2139	2155
55°	2068	2071	2090
60°	1965	1956	1981
65°	1804	1784	1813
70°	1603	1555	1597
75°	1300	1244	1292
80°	897	837	897
85°	406	357	381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	3.5
10°-20°	415.2	10.1
20°-30°	626.9	15.2
30°-40°	751.5	18.2
40°-50°	771.6	18.7
50°-60°	678.6	16.4
60°-70°	480.0	11.6
70°-80°	225.4	5.5
80°-90°	34.7	0.8
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°	1187.1	28.8
0°-40°	1938.6	47.0
0°-60°	3388.8	82.1
0°-90°	4129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1535	1535	1535	1535	1535	
5°	1536	1532	1519	1525	1525	146
15°	1476	1472	1465	1467	1469	417
25°	1357	1357	1363	1359	1368	628
35°	1203	1199	1201	1203	1204	752
45°	1000	997	1004	1005	1004	772
55°	761	761	763	759	769	680
65°	489	483	484	481	492	485
75°	216	209	207	209	215	231
85°	23	23	20	21	21	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1534.8	1534.8	1534.8	1534.8	1534.8
2.5°	1540.1	1537.4	1526.8	1529.4	1533.4
5°	1536.1	1532.1	1518.8	1525.4	1525.4
7.5°	1521.4	1517.4	1510.8	1514.8	1510.8
10°	1513.4	1512.1	1504.1	1502.8	1504.1
12.5°	1496.1	1492.1	1482.8	1489.4	1488.1
15°	1476.1	1472.1	1465.4	1466.8	1469.4
17.5°	1458.8	1456.1	1444.1	1448.1	1457.4
20°	1432.1	1422.8	1420.1	1421.4	1424.1
22.5°	1401.4	1394.7	1388.1	1390.7	1393.4
25°	1357.4	1357.4	1362.7	1358.7	1368.1
27.5°	1329.4	1326.7	1322.7	1322.7	1333.4
30°	1284.1	1284.1	1284.1	1288.1	1294.7
32.5°	1252.1	1246.7	1244.1	1245.4	1248.1
35°	1202.7	1198.7	1201.4	1202.7	1204.1
37.5°	1153.4	1152.1	1158.7	1154.7	1160.1
40°	1105.4	1102.7	1106.7	1104.1	1108.1
42.5°	1054.7	1049.4	1053.4	1056.1	1057.4
45°	1000.1	997.4	1004.1	1005.4	1004.1
47.5°	945.4	941.4	945.4	949.4	949.4
50°	888.1	882.7	882.7	886.7	889.4
52.5°	825.4	820.0	822.7	826.7	828.0
55°	761.4	761.4	762.7	758.7	769.4
57.5°	694.7	689.4	694.7	692.0	697.4
60°	630.7	626.7	628.0	622.7	636.0
62.5°	560.0	556.0	554.7	553.4	565.4
65°	489.4	482.7	484.0	481.4	492.0
67.5°	421.4	414.7	412.0	412.0	420.0
70°	352.0	341.4	341.4	338.7	350.7
72.5°	282.7	274.7	270.7	273.3	282.7
75°	216.0	209.3	206.7	209.3	214.7
77.5°	153.3	150.7	146.7	149.3	154.7
80°	100.0	97.3	93.3	97.3	100.0
82.5°	54.7	53.3	50.7	53.3	53.3
85°	22.7	22.7	20.0	21.3	21.3
87.5°	6.7	5.3	5.3	4.0	4.0
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	14.66	16.27	15.02	16.58	16.89	14.68	16.29	15.05	16.60	16.92
	3H	16.20	17.64	16.57	17.97	18.33	16.20	17.64	16.57	17.97	18.33
	4H	16.66	18.02	17.06	18.37	18.74	16.66	18.01	17.05	18.36	18.74
	6H	16.89	18.15	17.30	18.51	18.90	16.89	18.15	17.30	18.51	18.90
	8H	16.92	18.12	17.35	18.51	18.91	16.92	18.12	17.35	18.51	18.91
	12H	16.92	18.07	17.35	18.45	18.88	16.92	18.06	17.35	18.45	18.88
4H	2H	15.22	16.58	15.62	16.93	17.31	15.24	16.60	15.64	16.95	17.32
	3H	16.93	18.06	17.34	18.46	18.86	16.93	18.06	17.34	18.46	18.86
	4H	17.48	18.50	17.92	18.92	19.35	17.48	18.50	17.91	18.91	19.35
	6H	17.80	18.68	18.25	19.12	19.58	17.79	18.68	18.25	19.12	19.58
	8H	17.84	18.67	18.30	19.11	19.58	17.84	18.67	18.30	19.11	19.57
	12H	17.85	18.60	18.34	19.07	19.54	17.85	18.59	18.33	19.06	19.53
8H	4H	17.66	18.49	18.13	18.93	19.40	17.66	18.49	18.12	18.93	19.40
	6H	18.03	18.71	18.52	19.20	19.68	18.02	18.71	18.52	19.20	19.67
	8H	18.10	18.71	18.61	19.22	19.71	18.09	18.70	18.60	19.21	19.70
	12H	18.13	18.67	18.64	19.16	19.72	18.12	18.66	18.63	19.15	19.71
12H	4H	17.66	18.40	18.14	18.88	19.35	17.66	18.40	18.14	18.88	19.35
	6H	18.02	18.64	18.53	19.14	19.63	18.02	18.63	18.53	19.14	19.63
	8H	18.13	18.66	18.63	19.16	19.72	18.12	18.66	18.63	19.15	19.71