

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: P997394

Luminaire Tested: FSP-24-L3C3-CA125-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CA125-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

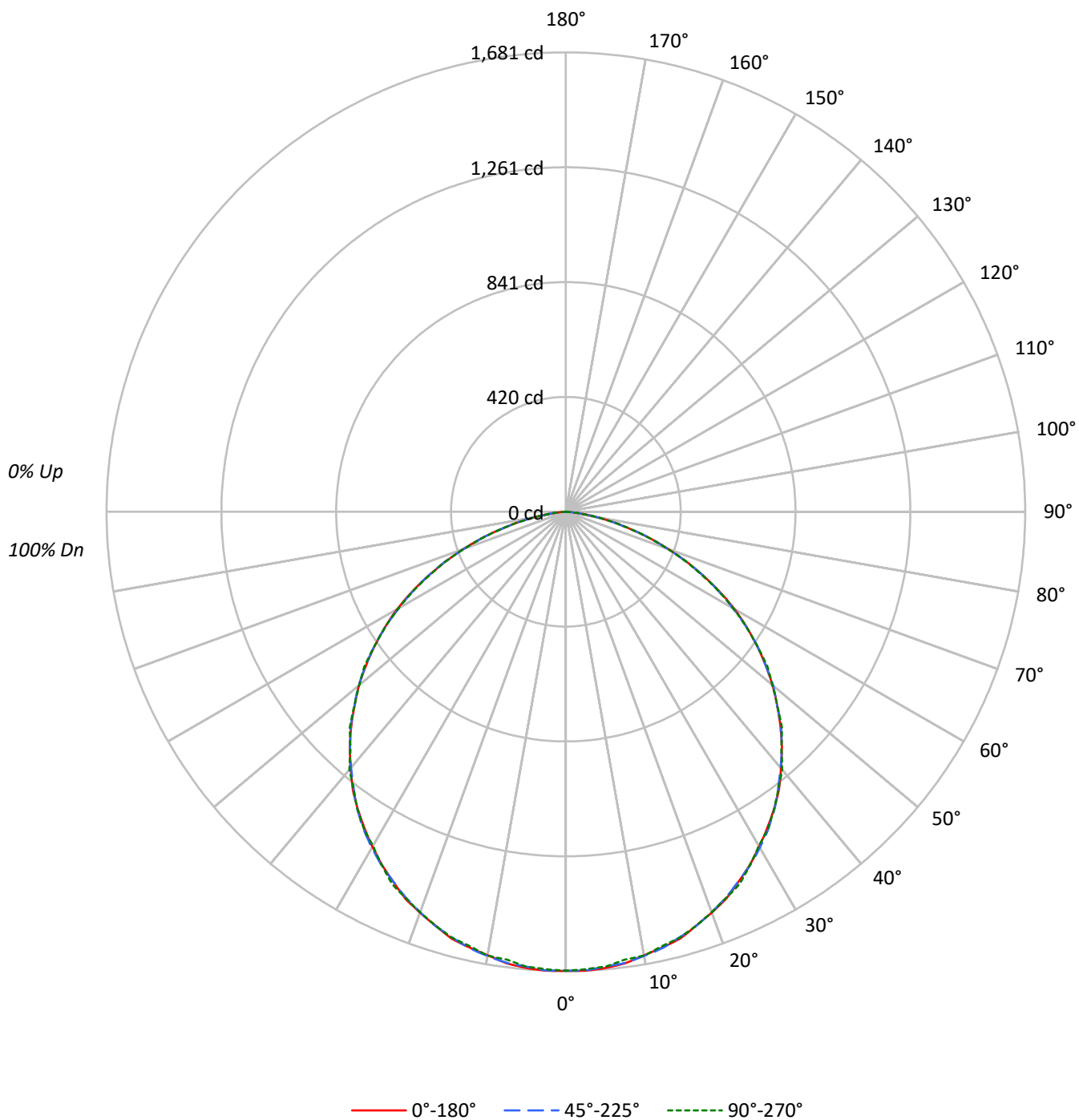
Lumens per Lamp: N/A
Luminaire Lumens: 4610.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	64		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	74	63	54	48	61	53	48		59	52	47		57
6	71	57	49	42	69	57	48	42	55	47	42		53	46	41		51
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2616	2616	2616
5°	2620	2612	2612
10°	2606	2610	2608
15°	2608	2599	2601
20°	2588	2585	2585
25°	2568	2566	2584
30°	2546	2554	2539
35°	2525	2530	2527
40°	2491	2486	2505
45°	2446	2452	2464
50°	2394	2400	2391
55°	2317	2321	2317
60°	2222	2197	2205
65°	2049	2054	2029
70°	1815	1803	1797
75°	1476	1493	1484
80°	1052	1052	1041
85°	500	500	524

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	3.4
10°-20°	454.9	9.9
20°-30°	689.2	14.9
30°-40°	830.2	18.0
40°-50°	857.2	18.6
50°-60°	762.5	16.5
60°-70°	548.5	11.9
70°-80°	264.8	5.7
80°-90°	43.9	1.0
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°	1302.9	28.3
0°-40°	2133.1	46.3
0°-60°	3752.8	81.4
0°-90°	4610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1680	1680	1680	1680	1680	
5°	1676	1669	1670	1666	1670	159
15°	1617	1614	1612	1616	1613	455
25°	1494	1494	1493	1493	1504	689
35°	1328	1326	1330	1329	1329	830
45°	1110	1112	1113	1112	1118	856
55°	853	852	854	856	853	762
65°	556	557	557	559	551	550
75°	245	247	248	248	247	265
85°	28	29	28	28	29	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1679.7	1679.7	1679.7	1679.7	1679.7
2.5°	1681.0	1679.7	1679.7	1671.7	1675.7
5°	1675.7	1669.0	1670.4	1666.4	1670.4
7.5°	1666.4	1662.4	1665.0	1655.7	1653.0
10°	1647.7	1649.0	1650.4	1643.7	1649.0
12.5°	1633.0	1637.0	1635.7	1629.0	1627.7
15°	1617.0	1614.4	1611.7	1615.7	1613.0
17.5°	1587.7	1585.1	1589.1	1587.7	1587.7
20°	1561.1	1559.7	1559.7	1555.7	1559.7
22.5°	1533.1	1529.1	1529.1	1534.4	1530.4
25°	1494.4	1494.4	1493.1	1493.1	1503.7
27.5°	1457.1	1455.7	1459.7	1462.4	1458.4
30°	1415.7	1415.7	1419.7	1417.1	1411.7
32.5°	1371.8	1370.4	1378.4	1374.4	1375.8
35°	1327.8	1326.4	1330.4	1329.1	1329.1
37.5°	1281.1	1273.1	1275.8	1282.4	1277.1
40°	1225.1	1223.8	1222.4	1225.1	1231.8
42.5°	1170.5	1167.8	1169.1	1171.8	1166.5
45°	1110.5	1111.8	1113.1	1111.8	1118.5
47.5°	1049.1	1051.8	1049.1	1055.8	1049.1
50°	987.8	986.5	990.5	990.5	986.5
52.5°	921.2	922.5	921.2	926.5	929.2
55°	853.2	851.8	854.5	855.8	853.2
57.5°	783.9	783.9	782.5	787.9	782.5
60°	713.2	707.9	705.2	707.9	707.9
62.5°	635.9	631.9	631.9	631.9	631.9
65°	555.9	557.2	557.2	558.6	550.6
67.5°	478.6	475.9	478.6	474.6	475.9
70°	398.6	399.9	395.9	398.6	394.6
72.5°	323.9	323.9	323.9	321.3	321.3
75°	245.3	246.6	248.0	248.0	246.6
77.5°	178.6	177.3	178.6	178.6	178.6
80°	117.3	114.6	117.3	116.0	116.0
82.5°	65.3	66.7	66.7	68.0	68.0
85°	28.0	29.3	28.0	28.0	29.3
87.5°	8.0	8.0	8.0	8.0	8.0
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	15.14	16.76	15.51	17.07	17.39	15.17	16.78	15.53	17.10	17.41
	3H	16.71	18.16	17.08	18.49	18.85	16.71	18.16	17.08	18.49	18.85
	4H	17.18	18.55	17.58	18.90	19.27	17.18	18.55	17.58	18.90	19.27
	6H	17.43	18.69	17.84	19.06	19.45	17.43	18.70	17.84	19.06	19.45
	8H	17.47	18.67	17.89	19.06	19.46	17.47	18.68	17.89	19.07	19.47
	12H	17.47	18.63	17.90	19.01	19.44	17.47	18.63	17.90	19.01	19.44
4H	2H	15.73	17.09	16.12	17.44	17.82	15.74	17.11	16.14	17.46	17.84
	3H	17.48	18.62	17.89	19.01	19.41	17.47	18.62	17.88	19.01	19.41
	4H	18.04	19.07	18.48	19.49	19.92	18.05	19.07	18.48	19.49	19.92
	6H	18.37	19.27	18.83	19.71	20.17	18.38	19.27	18.83	19.71	20.17
	8H	18.43	19.26	18.89	19.71	20.17	18.43	19.27	18.90	19.71	20.18
	12H	18.45	19.19	18.93	19.67	20.14	18.45	19.20	18.93	19.68	20.15
8H	4H	18.25	19.09	18.71	19.53	19.99	18.25	19.09	18.71	19.53	20.00
	6H	18.63	19.33	19.13	19.82	20.29	18.64	19.33	19.13	19.82	20.30
	8H	18.72	19.34	19.23	19.84	20.33	18.73	19.35	19.24	19.85	20.34
	12H	18.76	19.30	19.26	19.79	20.36	18.77	19.31	19.28	19.81	20.37
12H	4H	18.25	19.00	18.73	19.48	19.95	18.25	19.00	18.73	19.48	19.95
	6H	18.64	19.26	19.15	19.76	20.25	18.64	19.26	19.15	19.77	20.26
	8H	18.75	19.30	19.26	19.79	20.35	18.76	19.31	19.27	19.80	20.36