

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: P997403

Luminaire Tested: FSP-24-L3C3-CP125-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997403
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-CP125-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

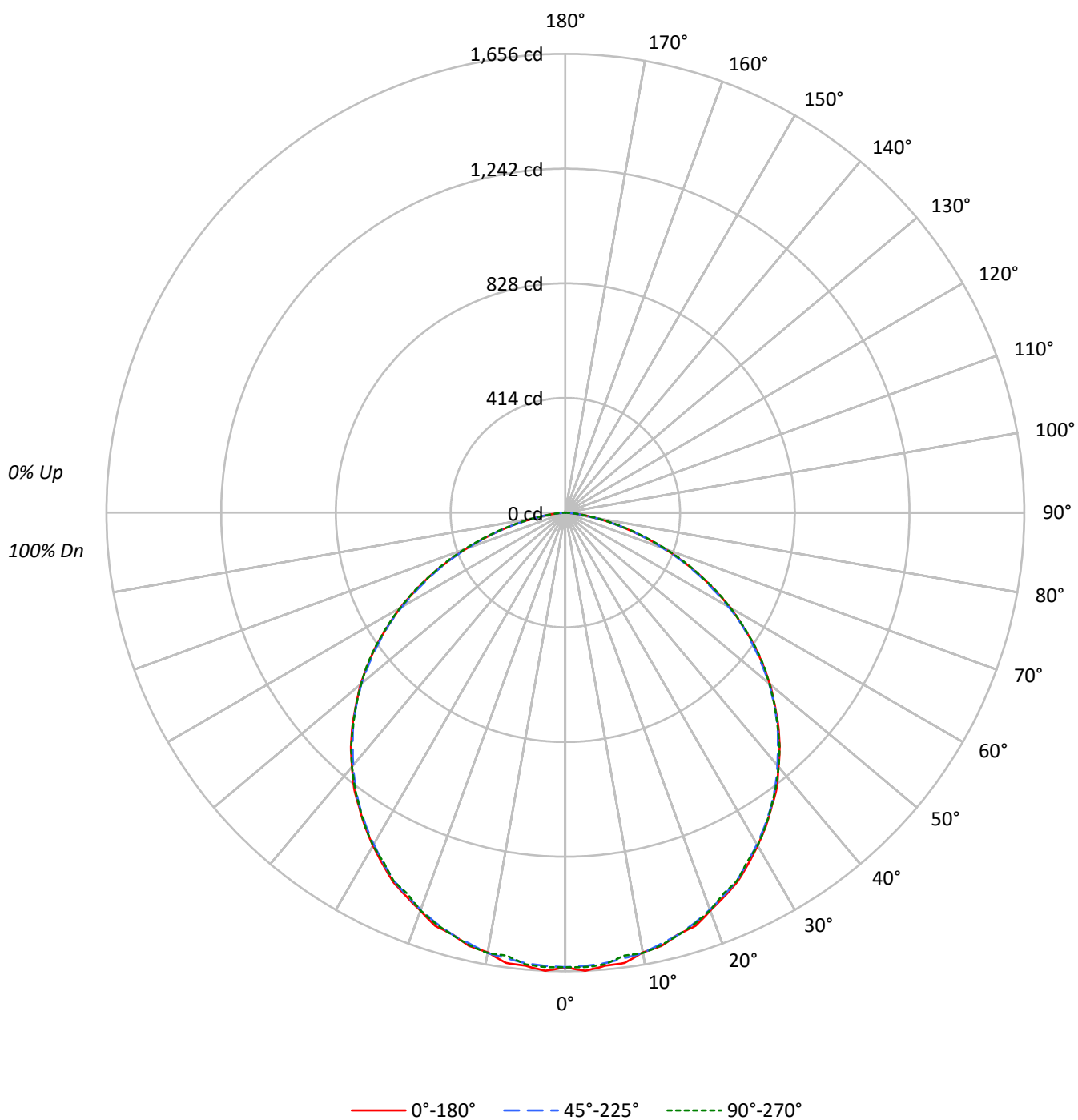
Lumens per Lamp: N/A
Luminaire Lumens: 4478.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	2556	2556	2556
5°	2568	2554	2560
10°	2550	2554	2554
15°	2541	2543	2546
20°	2535	2528	2533
25°	2527	2518	2521
30°	2496	2487	2496
35°	2467	2462	2464
40°	2434	2421	2434
45°	2394	2385	2385
50°	2336	2326	2330
55°	2252	2234	2259
60°	2143	2123	2143
65°	1976	1951	1980
70°	1743	1712	1767
75°	1412	1412	1460
80°	980	980	1041
85°	477	477	524

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	3.5
10°-20°	445.2	9.9
20°-30°	674.2	15.1
30°-40°	810.5	18.1
40°-50°	835.6	18.7
50°-60°	738.0	16.5
60°-70°	526.3	11.8
70°-80°	251.2	5.6
80°-90°	41.6	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°	1274.8	28.5
0°-40°	2085.3	46.6
0°-60°	3658.9	81.7
0°-90°	4478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1642	1634	1633	1630	1637	156
15°	1576	1580	1577	1576	1578	446
25°	1470	1465	1465	1462	1466	676
35°	1297	1293	1295	1296	1296	812
45°	1087	1084	1083	1084	1083	837
55°	829	827	823	825	832	740
65°	536	539	529	528	537	530
75°	235	237	235	229	243	252
85°	27	27	27	28	29	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.2	1641.2	1641.2	1641.2	1641.2
2.5°	1655.9	1641.2	1638.5	1641.2	1642.5
5°	1642.5	1634.5	1633.2	1630.5	1637.2
7.5°	1639.9	1629.2	1622.5	1622.5	1613.2
10°	1611.9	1617.2	1614.5	1609.2	1614.5
12.5°	1602.5	1597.2	1594.5	1594.5	1599.9
15°	1575.9	1579.9	1577.2	1575.9	1578.5
17.5°	1563.9	1557.2	1553.2	1551.9	1555.9
20°	1529.2	1525.2	1525.2	1526.5	1527.9
22.5°	1499.9	1494.5	1495.9	1499.9	1489.2
25°	1470.5	1465.2	1465.2	1462.5	1466.5
27.5°	1429.2	1426.5	1423.9	1426.5	1421.2
30°	1387.9	1383.9	1382.5	1386.5	1387.9
32.5°	1345.2	1342.6	1339.9	1341.2	1343.9
35°	1297.2	1293.2	1294.6	1295.9	1295.9
37.5°	1253.2	1246.6	1245.2	1249.2	1247.9
40°	1197.2	1199.9	1190.6	1195.9	1197.2
42.5°	1145.2	1139.9	1135.9	1147.9	1143.9
45°	1086.6	1083.9	1082.6	1083.9	1082.6
47.5°	1023.9	1025.2	1021.2	1026.6	1022.6
50°	963.9	965.2	959.9	959.9	961.3
52.5°	897.3	901.3	890.6	889.3	899.9
55°	829.3	826.6	822.6	825.3	831.9
57.5°	757.3	758.6	755.9	757.3	759.9
60°	687.9	685.3	681.3	674.6	687.9
62.5°	611.9	614.6	602.6	602.6	615.9
65°	536.0	538.6	529.3	528.0	537.3
67.5°	458.6	458.6	454.6	448.0	465.3
70°	382.6	382.6	376.0	376.0	388.0
72.5°	306.6	305.3	304.0	300.0	313.3
75°	234.6	237.3	234.6	229.3	242.6
77.5°	168.0	170.7	166.7	168.0	174.7
80°	109.3	109.3	109.3	108.0	116.0
82.5°	64.0	62.7	62.7	64.0	66.7
85°	26.7	26.7	26.7	28.0	29.3
87.5°	6.7	6.7	8.0	6.7	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	15.02	16.63	15.38	16.95	17.26	15.01	16.62	15.37	16.94	17.25
	3H	16.56	18.01	16.94	18.34	18.70	16.55	18.00	16.92	18.32	18.68
	4H	17.02	18.39	17.42	18.74	19.11	17.02	18.38	17.42	18.73	19.11
	6H	17.26	18.52	17.67	18.89	19.28	17.27	18.54	17.68	18.90	19.29
	8H	17.30	18.50	17.72	18.89	19.29	17.32	18.52	17.74	18.91	19.31
	12H	17.30	18.45	17.73	18.83	19.26	17.32	18.47	17.75	18.86	19.29
4H	2H	15.58	16.94	15.98	17.29	17.67	15.57	16.93	15.97	17.28	17.66
	3H	17.31	18.44	17.72	18.84	19.24	17.28	18.42	17.69	18.82	19.22
	4H	17.87	18.89	18.30	19.31	19.74	17.84	18.87	18.28	19.28	19.72
	6H	18.19	19.08	18.64	19.52	19.98	18.18	19.07	18.63	19.51	19.97
	8H	18.24	19.07	18.70	19.52	19.98	18.24	19.07	18.70	19.51	19.98
	12H	18.26	19.00	18.74	19.48	19.95	18.26	19.01	18.74	19.48	19.95
8H	4H	18.06	18.89	18.52	19.34	19.80	18.04	18.87	18.50	19.32	19.78
	6H	18.44	19.13	18.93	19.61	20.09	18.43	19.12	18.92	19.61	20.08
	8H	18.52	19.13	19.03	19.64	20.13	18.52	19.13	19.03	19.64	20.13
	12H	18.56	19.10	19.06	19.59	20.15	18.56	19.11	19.07	19.60	20.16
12H	4H	18.06	18.81	18.54	19.29	19.76	18.04	18.79	18.52	19.26	19.73
	6H	18.44	19.05	18.95	19.56	20.05	18.43	19.05	18.94	19.55	20.04
	8H	18.55	19.10	19.06	19.59	20.15	18.55	19.09	19.06	19.59	20.15