

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: P997400

Luminaire Tested: FSP-24-L3C3-CP125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997400
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-CP125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

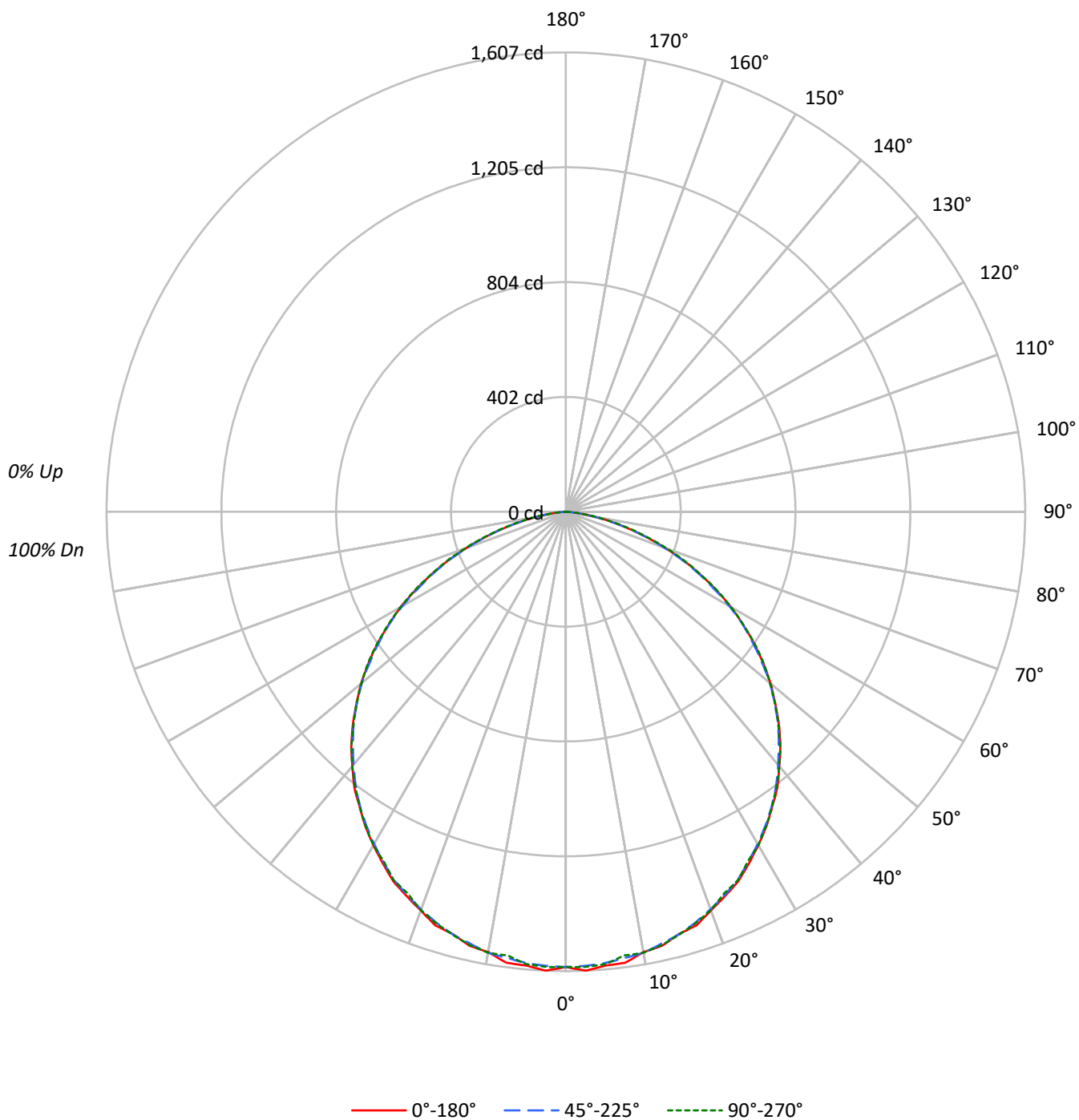
Lumens per Lamp: N/A
Luminaire Lumens: 4345.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	2480	2480	2480
5°	2492	2478	2484
10°	2474	2478	2478
15°	2466	2468	2470
20°	2460	2453	2457
25°	2452	2444	2446
30°	2422	2413	2422
35°	2394	2389	2391
40°	2362	2349	2362
45°	2323	2314	2314
50°	2267	2257	2260
55°	2185	2168	2192
60°	2080	2059	2080
65°	1917	1893	1921
70°	1691	1661	1714
75°	1370	1370	1417
80°	952	952	1009
85°	463	463	509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2323 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.5
10°-20°	432.0	9.9
20°-30°	654.2	15.1
30°-40°	786.4	18.1
40°-50°	810.8	18.7
50°-60°	716.1	16.5
60°-70°	510.6	11.8
70°-80°	243.8	5.6
80°-90°	40.4	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°	1236.9	28.5
0°-40°	2023.4	46.6
0°-60°	3550.2	81.7
0°-90°	4345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1594	1586	1585	1582	1589	152
15°	1529	1533	1530	1529	1532	433
25°	1427	1422	1422	1419	1423	656
35°	1259	1255	1256	1257	1257	788
45°	1054	1052	1050	1052	1050	812
55°	805	802	798	801	807	718
65°	520	523	514	512	521	514
75°	228	230	228	222	235	244
85°	26	26	26	27	28	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1606.7	1592.4	1589.9	1592.4	1593.7
5°	1593.7	1586.0	1584.7	1582.1	1588.6
7.5°	1591.2	1580.8	1574.3	1574.3	1565.3
10°	1564.0	1569.2	1566.6	1561.4	1566.6
12.5°	1554.9	1549.8	1547.2	1547.2	1552.3
15°	1529.1	1532.9	1530.4	1529.1	1531.6
17.5°	1517.4	1510.9	1507.1	1505.8	1509.7
20°	1483.8	1479.9	1479.9	1481.2	1482.5
22.5°	1455.3	1450.1	1451.4	1455.3	1445.0
25°	1426.9	1421.7	1421.7	1419.1	1423.0
27.5°	1386.8	1384.2	1381.6	1384.2	1379.0
30°	1346.7	1342.8	1341.5	1345.4	1346.7
32.5°	1305.3	1302.7	1300.1	1301.4	1304.0
35°	1258.7	1254.8	1256.1	1257.4	1257.4
37.5°	1216.0	1209.5	1208.2	1212.1	1210.8
40°	1161.7	1164.3	1155.2	1160.4	1161.7
42.5°	1111.2	1106.0	1102.2	1113.8	1109.9
45°	1054.3	1051.7	1050.4	1051.7	1050.4
47.5°	993.5	994.8	990.9	996.1	992.2
50°	935.3	936.6	931.4	931.4	932.7
52.5°	870.6	874.5	864.1	862.8	873.2
55°	804.6	802.0	798.2	800.8	807.2
57.5°	734.8	736.1	733.5	734.8	737.4
60°	667.5	664.9	661.0	654.6	667.5
62.5°	593.8	596.4	584.7	584.7	597.7
65°	520.0	522.6	513.6	512.3	521.3
67.5°	445.0	445.0	441.1	434.7	451.5
70°	371.3	371.3	364.8	364.8	376.4
72.5°	297.5	296.2	294.9	291.1	304.0
75°	227.7	230.3	227.7	222.5	235.4
77.5°	163.0	165.6	161.7	163.0	169.5
80°	106.1	106.1	106.1	104.8	112.5
82.5°	62.1	60.8	60.8	62.1	64.7
85°	25.9	25.9	25.9	27.2	28.5
87.5°	6.5	6.5	7.8	6.5	7.8
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	14.92	16.53	15.28	16.84	17.16	14.90	16.52	15.27	16.83	17.14
	3H	16.46	17.91	16.83	18.24	18.60	16.44	17.89	16.82	18.22	18.58
	4H	16.92	18.28	17.32	18.63	19.01	16.91	18.28	17.31	18.63	19.00
	6H	17.16	18.42	17.57	18.78	19.17	17.17	18.43	17.58	18.80	19.19
	8H	17.19	18.40	17.62	18.79	19.19	17.21	18.41	17.64	18.80	19.20
	12H	17.20	18.35	17.62	18.73	19.16	17.22	18.37	17.65	18.75	19.18
4H	2H	15.47	16.84	15.87	17.19	17.56	15.46	16.83	15.86	17.18	17.55
	3H	17.20	18.34	17.61	18.74	19.14	17.18	18.32	17.59	18.71	19.11
	4H	17.76	18.79	18.20	19.20	19.64	17.74	18.76	18.17	19.18	19.61
	6H	18.08	18.97	18.54	19.42	19.87	18.07	18.96	18.53	19.41	19.86
	8H	18.14	18.97	18.60	19.41	19.88	18.13	18.97	18.60	19.41	19.88
	12H	18.15	18.90	18.63	19.38	19.85	18.16	18.90	18.64	19.38	19.85
8H	4H	17.96	18.79	18.42	19.23	19.70	17.94	18.77	18.40	19.21	19.68
	6H	18.33	19.02	18.83	19.51	19.99	18.32	19.01	18.82	19.50	19.98
	8H	18.41	19.03	18.92	19.54	20.02	18.41	19.03	18.92	19.54	20.02
	12H	18.45	19.00	18.96	19.49	20.05	18.46	19.00	18.96	19.49	20.05
12H	4H	17.96	18.70	18.44	19.18	19.65	17.94	18.68	18.42	19.16	19.63
	6H	18.33	18.95	18.84	19.46	19.94	18.32	18.94	18.84	19.45	19.94
	8H	18.45	18.99	18.95	19.48	20.04	18.45	18.99	18.95	19.48	20.04