

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: P997415

Luminaire Tested: FSP-24-L3C3-CP187-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP187-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

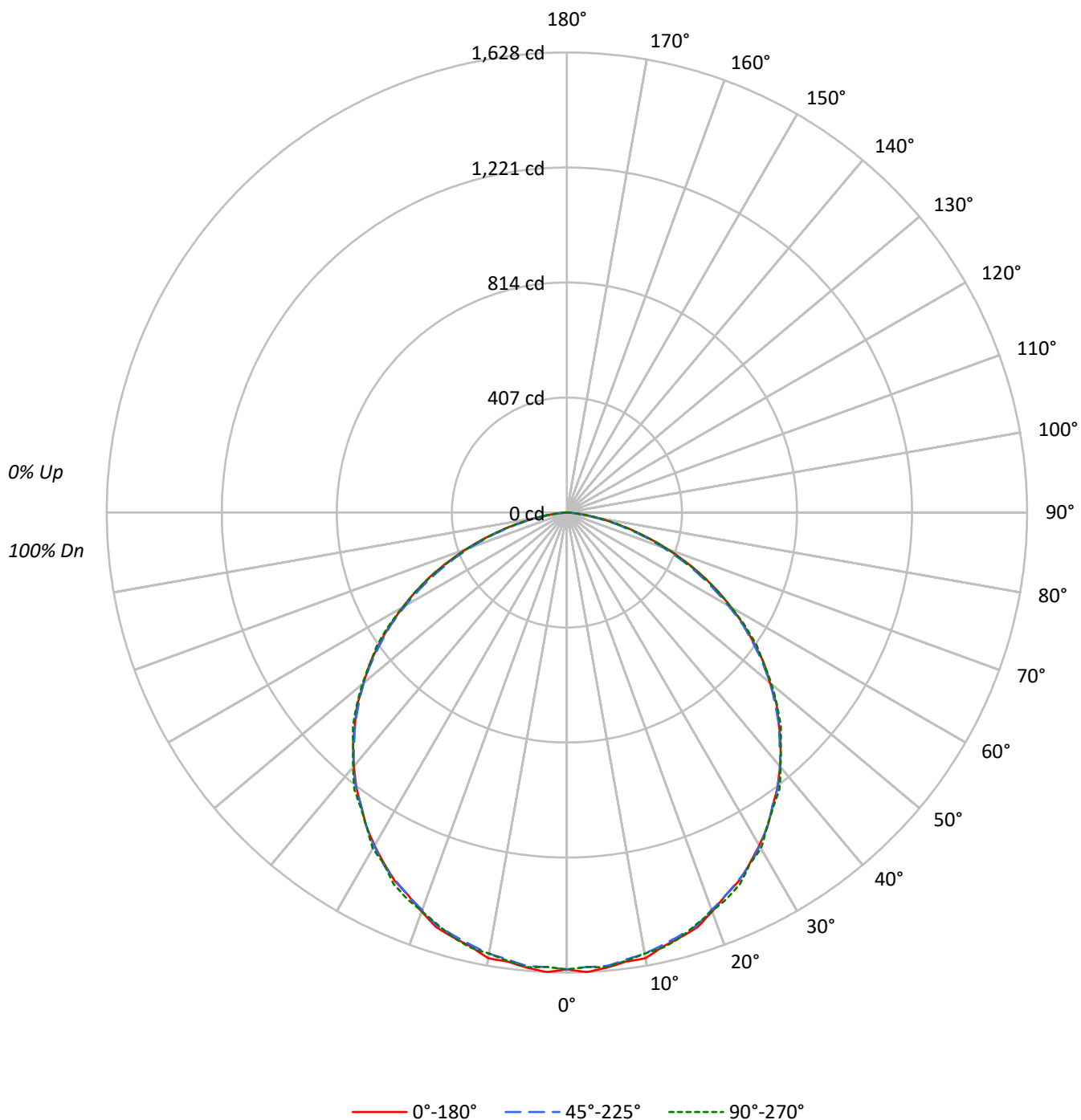
Lumens per Lamp: N/A
Luminaire Lumens: 4386.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997415

CATALOG NUMBER: FSP-24-L3C3-CP187-4000K-MID

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	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		66	59	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	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°	2518	2518	2518
5°	2528	2519	2526
10°	2533	2507	2507
15°	2509	2498	2509
20°	2490	2481	2488
25°	2473	2469	2492
30°	2447	2452	2470
35°	2412	2412	2420
40°	2383	2389	2391
45°	2336	2333	2357
50°	2273	2273	2289
55°	2195	2180	2225
60°	2085	2055	2094
65°	1949	1888	1934
70°	1725	1650	1725
75°	1417	1326	1400
80°	976	927	1000
85°	468	443	468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2357 cd/sqm

TEST NUMBER: P997415

CATALOG NUMBER: FSP-24-L3C3-CP187-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	3.5
10°-20°	438.2	10.0
20°-30°	662.7	15.1
30°-40°	796.0	18.1
40°-50°	817.7	18.6
50°-60°	721.4	16.4
60°-70°	513.5	11.7
70°-80°	244.3	5.6
80°-90°	39.4	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°	1253.8	28.6
0°-40°	2049.8	46.7
0°-60°	3588.9	81.8
0°-90°	4386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1617	1617	1617	1617	1617	
5°	1617	1615	1611	1607	1615	154
15°	1556	1552	1549	1555	1556	439
25°	1439	1436	1436	1439	1450	662
35°	1268	1270	1268	1281	1272	795
45°	1060	1059	1059	1066	1070	818
55°	808	810	803	808	819	723
65°	529	525	512	516	525	521
75°	236	230	220	224	233	251
85°	26	25	25	26	26	41
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-24-L3C3-CP187-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1616.7	1616.7	1616.7	1616.7	1616.7
2.5°	1627.7	1615.3	1609.8	1607.1	1609.8
5°	1616.7	1615.3	1611.2	1607.1	1615.3
7.5°	1602.9	1600.2	1596.0	1593.3	1600.2
10°	1601.6	1590.5	1585.0	1586.4	1585.0
12.5°	1572.6	1574.0	1567.1	1569.9	1576.8
15°	1556.1	1552.0	1549.2	1554.7	1556.1
17.5°	1538.2	1536.8	1531.3	1523.1	1527.2
20°	1502.4	1501.0	1496.9	1503.8	1501.0
22.5°	1466.6	1474.9	1466.6	1476.2	1479.0
25°	1439.1	1436.3	1436.3	1439.1	1450.1
27.5°	1400.5	1396.4	1404.6	1397.7	1401.9
30°	1360.6	1356.4	1363.3	1363.3	1373.0
32.5°	1319.3	1315.1	1319.3	1316.5	1317.9
35°	1268.3	1269.7	1268.3	1280.7	1272.4
37.5°	1224.2	1221.5	1225.6	1225.6	1235.3
40°	1171.9	1171.9	1174.7	1171.9	1176.0
42.5°	1119.6	1111.3	1114.1	1118.2	1119.6
45°	1060.4	1059.0	1059.0	1065.9	1070.0
47.5°	1005.3	999.8	998.4	1001.1	1008.0
50°	937.8	937.8	937.8	941.9	944.7
52.5°	880.0	875.8	871.7	874.5	877.2
55°	808.4	809.7	802.8	808.4	819.4
57.5°	742.3	740.9	736.7	736.7	747.8
60°	669.3	669.3	659.6	666.5	672.0
62.5°	600.4	599.0	585.3	589.4	601.8
65°	528.8	524.7	512.3	516.4	524.7
67.5°	453.1	448.9	437.9	440.7	447.6
70°	378.7	375.9	362.2	366.3	378.7
72.5°	305.7	300.2	291.9	293.3	301.6
75°	235.5	230.0	220.3	224.5	232.7
77.5°	169.4	166.6	159.7	161.1	169.4
80°	108.8	107.4	103.3	106.0	111.5
82.5°	63.3	60.6	56.5	59.2	62.0
85°	26.2	24.8	24.8	26.2	26.2
87.5°	5.5	5.5	6.9	6.9	6.9
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	14.93	16.54	15.30	16.86	17.17	14.91	16.52	15.28	16.84	17.15
	3H	16.50	17.95	16.87	18.27	18.63	16.44	17.89	16.82	18.22	18.58
	4H	16.97	18.33	17.37	18.68	19.06	16.91	18.27	17.31	18.62	19.00
	6H	17.22	18.48	17.63	18.84	19.23	17.16	18.42	17.57	18.78	19.17
	8H	17.25	18.45	17.68	18.84	19.24	17.20	18.40	17.62	18.79	19.19
	12H	17.25	18.41	17.68	18.79	19.22	17.20	18.35	17.63	18.73	19.16
4H	2H	15.48	16.84	15.88	17.19	17.57	15.46	16.82	15.86	17.17	17.55
	3H	17.23	18.36	17.64	18.76	19.16	17.17	18.31	17.58	18.71	19.11
	4H	17.80	18.82	18.23	19.23	19.67	17.73	18.75	18.16	19.16	19.60
	6H	18.12	19.01	18.58	19.45	19.91	18.06	18.95	18.51	19.39	19.85
	8H	18.18	19.01	18.64	19.45	19.92	18.11	18.94	18.57	19.39	19.85
	12H	18.19	18.94	18.68	19.41	19.88	18.13	18.87	18.61	19.35	19.82
8H	4H	17.98	18.81	18.44	19.25	19.72	17.92	18.75	18.38	19.19	19.66
	6H	18.36	19.05	18.85	19.54	20.01	18.30	18.99	18.79	19.47	19.95
	8H	18.44	19.05	18.95	19.56	20.05	18.38	18.99	18.89	19.50	19.99
	12H	18.48	19.02	18.98	19.51	20.07	18.42	18.96	18.93	19.45	20.01
12H	4H	17.98	18.72	18.46	19.20	19.67	17.92	18.66	18.40	19.14	19.61
	6H	18.36	18.97	18.87	19.48	19.97	18.30	18.91	18.81	19.42	19.91
	8H	18.47	19.01	18.98	19.50	20.06	18.41	18.95	18.92	19.44	20.01