

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: P997391

Luminaire Tested: FSP-24-L3C3-CA125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997391
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-CA125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

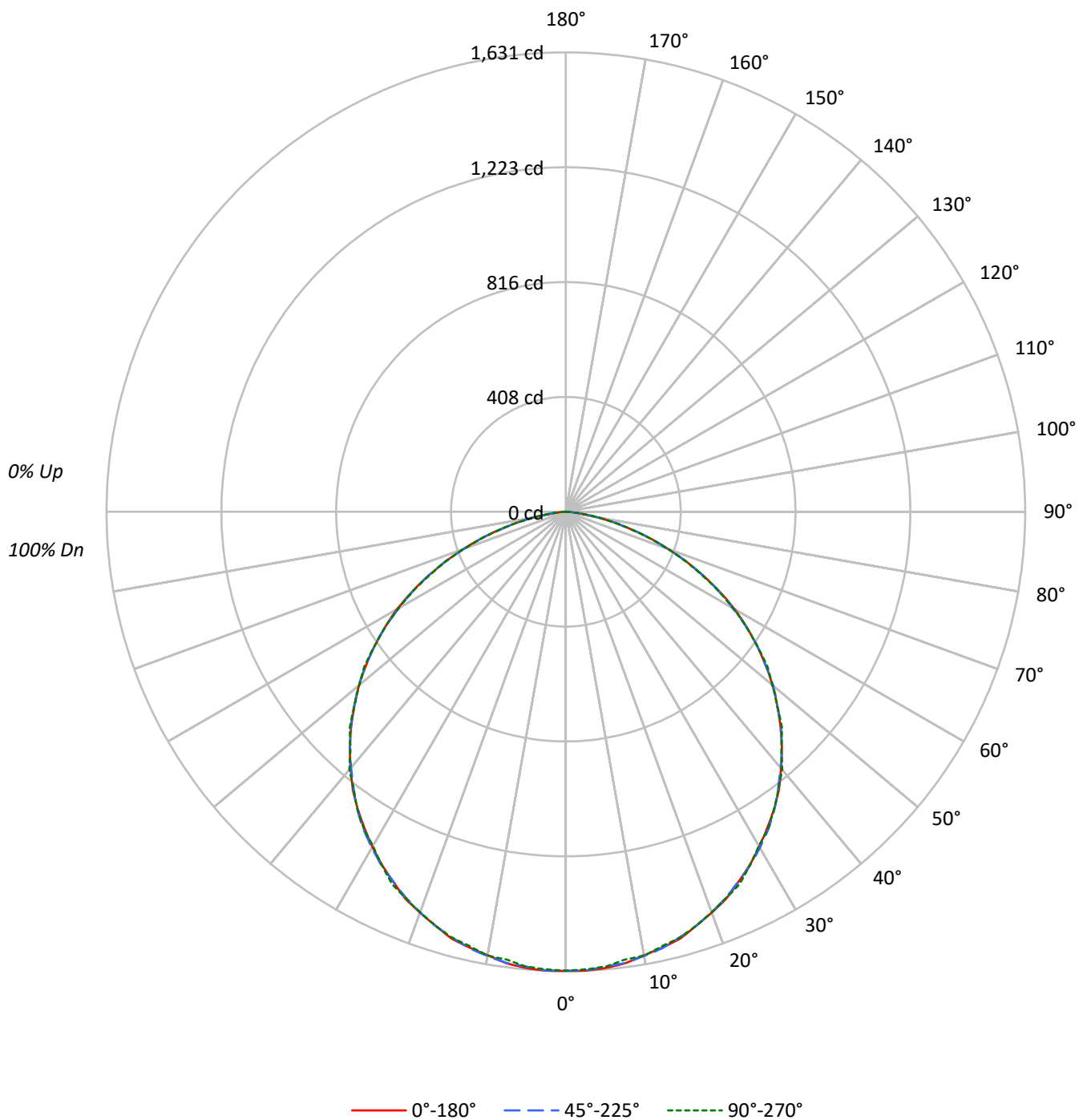
Lumens per Lamp: N/A
Luminaire Lumens: 4473.1 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	51
5	77	64	55	48	74	63	54	48	61	53	48		59	52	47		57	51	47	44
6	71	57	49	42	69	57	48	42	55	47	42		53	46	41		51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2539	2539	2539
5°	2542	2534	2534
10°	2529	2533	2531
15°	2530	2522	2524
20°	2511	2509	2509
25°	2492	2490	2508
30°	2471	2478	2464
35°	2450	2455	2452
40°	2417	2412	2430
45°	2374	2379	2391
50°	2323	2329	2320
55°	2248	2252	2248
60°	2156	2132	2140
65°	1988	1993	1969
70°	1762	1750	1744
75°	1432	1448	1440
80°	1021	1021	1009
85°	486	486	509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2391 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	3.4
10°-20°	441.4	9.9
20°-30°	668.7	14.9
30°-40°	805.5	18.0
40°-50°	831.8	18.6
50°-60°	739.8	16.5
60°-70°	532.2	11.9
70°-80°	256.9	5.7
80°-90°	42.6	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°	1264.1	28.3
0°-40°	2069.7	46.3
0°-60°	3641.3	81.4
0°-90°	4473.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4473.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1626	1619	1621	1617	1621	154
15°	1569	1566	1564	1568	1565	442
25°	1450	1450	1449	1449	1459	669
35°	1288	1287	1291	1290	1290	806
45°	1078	1079	1080	1079	1085	831
55°	828	826	829	830	828	740
65°	539	541	541	542	534	534
75°	238	239	241	241	239	257
85°	27	28	27	27	28	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1629.8	1629.8	1629.8	1629.8	1629.8
2.5°	1631.1	1629.8	1629.8	1622.0	1625.9
5°	1625.9	1619.4	1620.7	1616.8	1620.7
7.5°	1616.8	1613.0	1615.6	1606.5	1603.9
10°	1598.7	1600.0	1601.3	1594.9	1600.0
12.5°	1584.5	1588.4	1587.1	1580.6	1579.3
15°	1569.0	1566.4	1563.8	1567.7	1565.1
17.5°	1540.5	1537.9	1541.8	1540.5	1540.5
20°	1514.7	1513.4	1513.4	1509.5	1513.4
22.5°	1487.5	1483.6	1483.6	1488.8	1484.9
25°	1450.0	1450.0	1448.7	1448.7	1459.0
27.5°	1413.8	1412.5	1416.4	1418.9	1415.1
30°	1373.7	1373.7	1377.6	1375.0	1369.8
32.5°	1331.0	1329.7	1337.5	1333.6	1334.9
35°	1288.3	1287.0	1290.9	1289.6	1289.6
37.5°	1243.0	1235.3	1237.9	1244.3	1239.2
40°	1188.7	1187.4	1186.1	1188.7	1195.2
42.5°	1135.7	1133.1	1134.4	1137.0	1131.8
45°	1077.5	1078.8	1080.1	1078.8	1085.2
47.5°	1018.0	1020.6	1018.0	1024.4	1018.0
50°	958.5	957.2	961.1	961.1	957.2
52.5°	893.8	895.1	893.8	899.0	901.6
55°	827.8	826.5	829.1	830.4	827.8
57.5°	760.6	760.6	759.3	764.4	759.3
60°	692.0	686.8	684.3	686.8	686.8
62.5°	617.0	613.1	613.1	613.1	613.1
65°	539.4	540.7	540.7	542.0	534.2
67.5°	464.4	461.8	464.4	460.5	461.8
70°	386.8	388.0	384.2	386.8	382.9
72.5°	314.3	314.3	314.3	311.7	311.7
75°	238.0	239.3	240.6	240.6	239.3
77.5°	173.3	172.0	173.3	173.3	173.3
80°	113.8	111.2	113.8	112.5	112.5
82.5°	63.4	64.7	64.7	66.0	66.0
85°	27.2	28.5	27.2	27.2	28.5
87.5°	7.8	7.8	7.8	7.8	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	15.04	16.66	15.40	16.97	17.28	15.06	16.68	15.43	16.99	17.31
	3H	16.60	18.06	16.98	18.38	18.74	16.60	18.06	16.98	18.38	18.75
	4H	17.08	18.44	17.47	18.79	19.17	17.08	18.45	17.47	18.79	19.17
	6H	17.32	18.59	17.73	18.95	19.35	17.32	18.59	17.74	18.96	19.35
	8H	17.36	18.57	17.79	18.96	19.36	17.36	18.57	17.79	18.96	19.36
	12H	17.36	18.52	17.79	18.90	19.33	17.37	18.53	17.80	18.91	19.34
4H	2H	15.62	16.99	16.02	17.34	17.71	15.64	17.01	16.04	17.36	17.73
	3H	17.37	18.51	17.78	18.91	19.31	17.37	18.51	17.78	18.91	19.31
	4H	17.94	18.97	18.37	19.38	19.82	17.94	18.97	18.37	19.38	19.82
	6H	18.27	19.16	18.72	19.60	20.06	18.27	19.17	18.72	19.61	20.06
	8H	18.32	19.16	18.78	19.60	20.07	18.33	19.17	18.79	19.61	20.07
	12H	18.34	19.09	18.82	19.57	20.04	18.35	19.10	18.83	19.57	20.04
8H	4H	18.14	18.98	18.61	19.42	19.89	18.15	18.98	18.61	19.42	19.89
	6H	18.53	19.22	19.02	19.71	20.19	18.53	19.23	19.03	19.71	20.19
	8H	18.61	19.23	19.12	19.74	20.23	18.62	19.24	19.13	19.75	20.23
	12H	18.65	19.20	19.16	19.69	20.25	18.66	19.21	19.17	19.70	20.26
12H	4H	18.15	18.90	18.63	19.37	19.84	18.15	18.90	18.63	19.37	19.84
	6H	18.53	19.15	19.04	19.66	20.15	18.54	19.16	19.05	19.66	20.15
	8H	18.65	19.20	19.16	19.69	20.25	18.66	19.20	19.17	19.69	20.26