

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: P997395

Luminaire Tested: FSP-24-L3C3-CA125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997395
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-CA125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

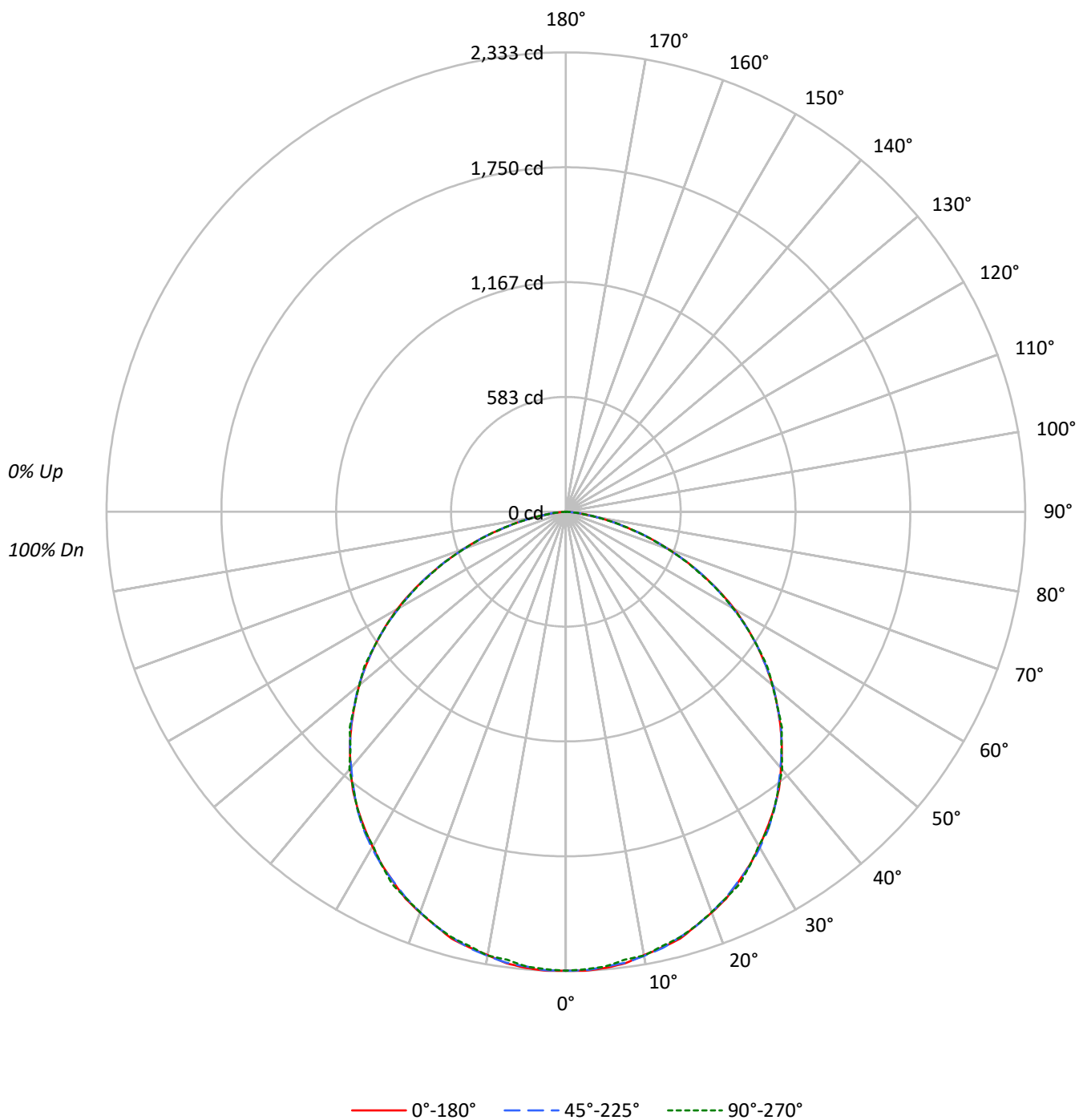
Lumens per Lamp: N/A
Luminaire Lumens: 6397.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
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°	3631	3631	3631
5°	3636	3624	3624
10°	3616	3622	3619
15°	3619	3607	3610
20°	3591	3588	3588
25°	3564	3561	3586
30°	3533	3544	3524
35°	3504	3511	3507
40°	3457	3449	3476
45°	3394	3403	3419
50°	3322	3331	3317
55°	3215	3220	3215
60°	3083	3049	3060
65°	2843	2850	2816
70°	2519	2502	2494
75°	2049	2071	2060
80°	1460	1460	1443
85°	693	693	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	3.4
10°-20°	631.3	9.9
20°-30°	956.3	14.9
30°-40°	1152.0	18.0
40°-50°	1189.5	18.6
50°-60°	1058.1	16.5
60°-70°	761.2	11.9
70°-80°	367.4	5.7
80°-90°	60.9	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°	1807.9	28.3
0°-40°	2959.9	46.3
0°-60°	5207.5	81.4
0°-90°	6397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2331	2331	2331	2331	2331	
5°	2325	2316	2318	2312	2318	221
15°	2244	2240	2236	2242	2238	632
25°	2074	2074	2072	2072	2087	956
35°	1842	1841	1846	1844	1844	1152
45°	1541	1543	1545	1543	1552	1188
55°	1184	1182	1186	1188	1184	1058
65°	771	773	773	775	764	764
75°	340	342	344	344	342	368
85°	39	41	39	39	41	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2330.8	2330.8	2330.8	2330.8	2330.8
2.5°	2332.7	2330.8	2330.8	2319.7	2325.3
5°	2325.3	2316.0	2317.9	2312.3	2317.9
7.5°	2312.3	2306.8	2310.5	2297.5	2293.8
10°	2286.4	2288.3	2290.1	2280.9	2288.3
12.5°	2266.1	2271.6	2269.8	2260.5	2258.7
15°	2243.9	2240.2	2236.5	2242.0	2238.3
17.5°	2203.2	2199.5	2205.0	2203.2	2203.2
20°	2166.2	2164.3	2164.3	2158.8	2164.3
22.5°	2127.3	2121.8	2121.8	2129.2	2123.6
25°	2073.7	2073.7	2071.8	2071.8	2086.6
27.5°	2021.9	2020.0	2025.6	2029.3	2023.7
30°	1964.5	1964.5	1970.1	1966.4	1959.0
32.5°	1903.5	1901.6	1912.7	1907.2	1909.0
35°	1842.5	1840.6	1846.2	1844.3	1844.3
37.5°	1777.7	1766.6	1770.3	1779.6	1772.2
40°	1700.0	1698.2	1696.3	1700.0	1709.3
42.5°	1624.2	1620.5	1622.3	1626.0	1618.6
45°	1540.9	1542.8	1544.6	1542.8	1552.0
47.5°	1455.8	1459.5	1455.8	1465.1	1455.8
50°	1370.7	1368.9	1374.4	1374.4	1368.9
52.5°	1278.2	1280.1	1278.2	1285.6	1289.3
55°	1183.9	1182.1	1185.8	1187.6	1183.9
57.5°	1087.7	1087.7	1085.9	1093.3	1085.9
60°	989.7	982.3	978.6	982.3	982.3
62.5°	882.4	876.8	876.8	876.8	876.8
65°	771.4	773.2	773.2	775.1	764.0
67.5°	664.1	660.4	664.1	658.5	660.4
70°	553.1	555.0	549.4	553.1	547.6
72.5°	449.5	449.5	449.5	445.8	445.8
75°	340.4	342.2	344.1	344.1	342.2
77.5°	247.9	246.0	247.9	247.9	247.9
80°	162.8	159.1	162.8	160.9	160.9
82.5°	90.6	92.5	92.5	94.3	94.3
85°	38.8	40.7	38.8	38.8	40.7
87.5°	11.1	11.1	11.1	11.1	11.1
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	16.28	17.90	16.65	18.21	18.53	16.31	17.92	16.67	18.24	18.55
	3H	17.84	19.30	18.22	19.63	19.99	17.84	19.30	18.22	19.63	19.99
	4H	18.32	19.69	18.72	20.04	20.41	18.32	19.69	18.72	20.04	20.41
	6H	18.57	19.83	18.98	20.20	20.59	18.57	19.83	18.98	20.20	20.59
	8H	18.60	19.81	19.03	20.20	20.60	18.61	19.82	19.03	20.20	20.60
	12H	18.61	19.76	19.04	20.15	20.57	18.61	19.77	19.04	20.15	20.58
4H	2H	16.86	18.23	17.26	18.58	18.96	16.88	18.25	17.28	18.60	18.98
	3H	18.61	19.75	19.02	20.15	20.55	18.61	19.75	19.02	20.15	20.55
	4H	19.18	20.21	19.61	20.62	21.06	19.18	20.21	19.62	20.63	21.06
	6H	19.51	20.41	19.97	20.85	21.30	19.51	20.41	19.97	20.85	21.31
	8H	19.57	20.40	20.03	20.85	21.31	19.57	20.41	20.03	20.85	21.32
	12H	19.58	20.33	20.06	20.81	21.28	19.59	20.34	20.07	20.82	21.29
8H	4H	19.39	20.22	19.85	20.67	21.13	19.39	20.23	19.85	20.67	21.13
	6H	19.77	20.46	20.27	20.95	21.43	19.78	20.47	20.27	20.96	21.43
	8H	19.86	20.47	20.37	20.98	21.47	19.86	20.48	20.38	20.99	21.48
	12H	19.90	20.44	20.40	20.93	21.49	19.91	20.45	20.41	20.94	21.51
12H	4H	19.39	20.14	19.87	20.62	21.09	19.39	20.14	19.87	20.62	21.09
	6H	19.78	20.40	20.29	20.90	21.39	19.78	20.40	20.29	20.91	21.39
	8H	19.89	20.44	20.40	20.93	21.49	19.90	20.45	20.41	20.94	21.50