

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: P997422

Luminaire Tested: FSP-24-L3C3-CP250-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-18)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP250-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

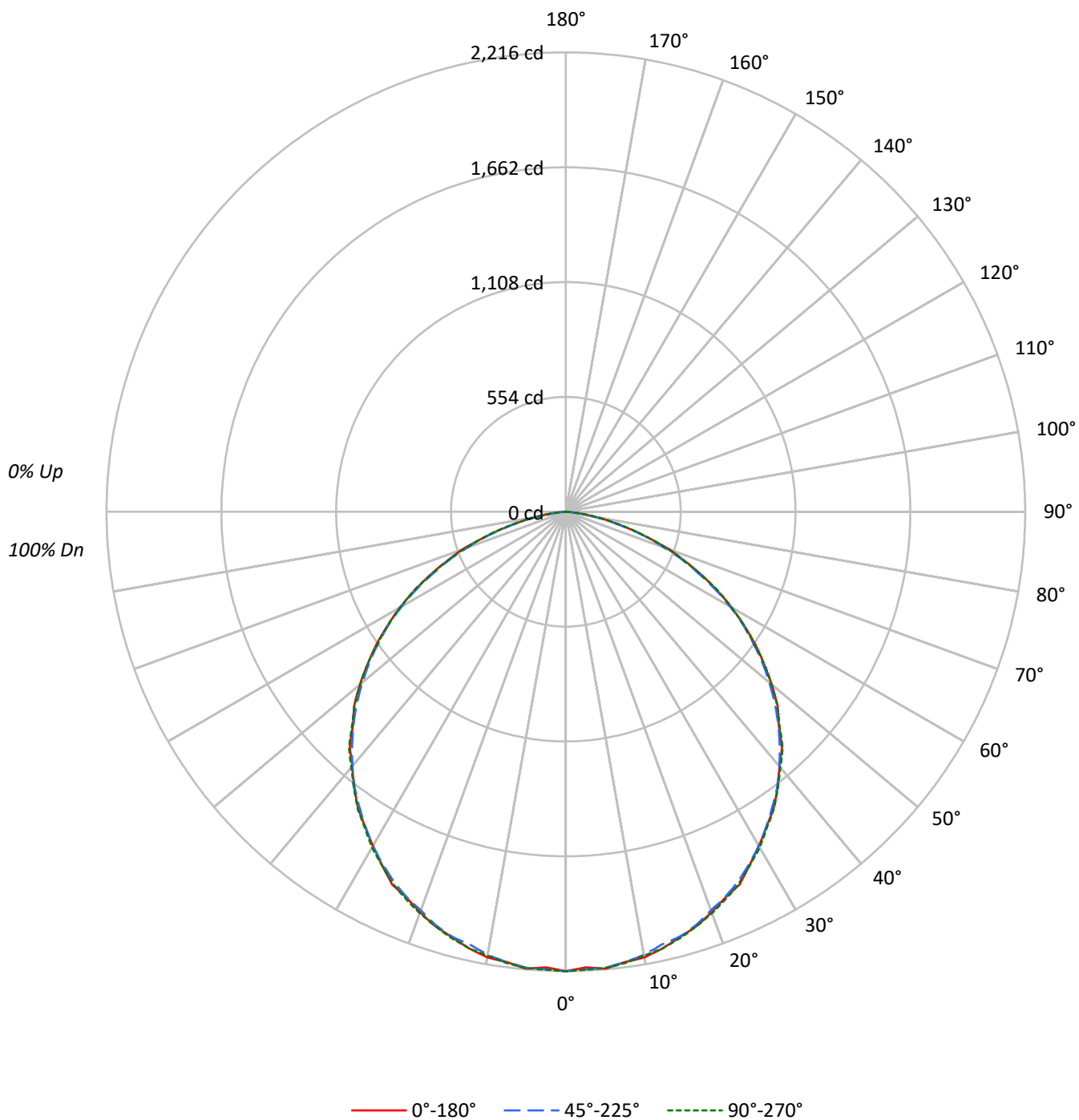
Lumens per Lamp: N/A
Luminaire Lumens: 6003.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3452	3452	3452
5°	3460	3451	3454
10°	3453	3433	3438
15°	3425	3422	3434
20°	3407	3392	3416
25°	3409	3380	3399
30°	3348	3348	3364
35°	3321	3303	3328
40°	3258	3258	3273
45°	3199	3191	3212
50°	3143	3103	3138
55°	3030	2994	3010
60°	2876	2847	2876
65°	2666	2612	2659
70°	2418	2300	2359
75°	1937	1860	1971
80°	1361	1278	1378
85°	661	595	661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3212 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	3.5
10°-20°	599.6	10.0
20°-30°	907.6	15.1
30°-40°	1089.1	18.1
40°-50°	1121.2	18.7
50°-60°	987.4	16.4
60°-70°	702.2	11.7
70°-80°	333.1	5.5
80°-90°	53.1	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°	1716.9	28.6
0°-40°	2806.0	46.7
0°-60°	4914.7	81.9
0°-90°	6003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2213	2209	2207	2213	2209	210
15°	2124	2126	2122	2124	2129	600
25°	1983	1976	1967	1970	1978	909
35°	1746	1745	1737	1743	1750	1090
45°	1452	1454	1449	1454	1458	1126
55°	1116	1101	1103	1108	1108	995
65°	723	690	709	712	722	716
75°	322	294	309	314	328	344
85°	37	32	33	35	37	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2216.4	2216.4	2216.4	2216.4	2216.4
2.5°	2199.7	2218.2	2209.0	2210.8	2210.8
5°	2212.7	2209.0	2207.1	2212.7	2209.0
7.5°	2190.5	2199.7	2190.5	2196.0	2196.0
10°	2183.1	2177.5	2170.1	2168.3	2173.8
12.5°	2157.2	2153.5	2138.7	2155.3	2157.2
15°	2123.9	2125.7	2122.0	2123.9	2129.4
17.5°	2096.1	2096.1	2090.6	2094.3	2096.1
20°	2055.4	2064.7	2046.2	2055.4	2061.0
22.5°	2012.9	2016.6	2011.0	2012.9	2020.3
25°	1983.3	1975.9	1966.6	1970.3	1977.7
27.5°	1920.4	1924.1	1914.8	1916.7	1922.2
30°	1861.2	1859.3	1861.2	1861.2	1870.4
32.5°	1802.0	1802.0	1800.1	1800.1	1805.7
35°	1746.5	1744.6	1737.2	1742.8	1750.2
37.5°	1678.0	1676.2	1674.3	1676.2	1679.9
40°	1602.2	1607.7	1602.2	1604.0	1609.6
42.5°	1543.0	1535.6	1526.3	1537.4	1548.5
45°	1452.3	1454.2	1448.6	1454.2	1457.9
47.5°	1385.7	1367.2	1367.2	1374.6	1382.0
50°	1296.9	1284.0	1280.3	1289.5	1295.1
52.5°	1204.4	1193.3	1195.1	1198.8	1206.3
55°	1115.6	1100.8	1102.6	1108.2	1108.2
57.5°	1019.4	1000.9	1013.8	1015.7	1017.5
60°	923.2	901.0	913.9	915.8	923.2
62.5°	823.3	795.5	815.9	817.7	828.8
65°	723.4	690.1	708.6	712.3	721.5
67.5°	619.8	592.0	612.4	606.8	617.9
70°	531.0	490.3	505.1	508.8	518.0
72.5°	416.3	388.5	410.7	408.9	416.3
75°	321.9	294.2	309.0	314.5	327.5
77.5°	227.6	209.1	222.0	227.6	231.3
80°	151.7	136.9	142.5	148.0	153.6
82.5°	87.0	75.9	81.4	81.4	83.3
85°	37.0	31.5	33.3	35.2	37.0
87.5°	9.3	7.4	7.4	7.4	7.4
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	15.95	17.56	16.32	17.88	18.19	16.04	17.65	16.40	17.96	18.27
	3H	17.50	18.95	17.88	19.28	19.64	17.57	19.02	17.95	19.35	19.71
	4H	17.96	19.33	18.36	19.67	20.05	18.05	19.42	18.45	19.76	20.14
	6H	18.20	19.46	18.61	19.83	20.22	18.30	19.56	18.71	19.93	20.32
	8H	18.24	19.44	18.66	19.83	20.23	18.34	19.54	18.76	19.93	20.33
	12H	18.24	19.39	18.67	19.78	20.20	18.34	19.49	18.77	19.87	20.30
4H	2H	16.53	17.89	16.93	18.24	18.62	16.59	17.96	16.99	18.30	18.68
	3H	18.24	19.38	18.65	19.77	20.17	18.32	19.45	18.73	19.85	20.25
	4H	18.78	19.80	19.21	20.21	20.65	18.89	19.91	19.32	20.33	20.76
	6H	19.09	19.98	19.54	20.42	20.88	19.22	20.11	19.68	20.55	21.01
	8H	19.14	19.97	19.60	20.42	20.88	19.27	20.11	19.74	20.55	21.01
	12H	19.16	19.90	19.64	20.38	20.85	19.29	20.03	19.77	20.51	20.98
8H	4H	18.97	19.80	19.43	20.25	20.71	19.08	19.91	19.54	20.35	20.81
	6H	19.33	20.02	19.83	20.51	20.98	19.46	20.15	19.96	20.64	21.11
	8H	19.41	20.02	19.92	20.53	21.02	19.54	20.15	20.05	20.66	21.15
	12H	19.44	19.99	19.95	20.48	21.04	19.58	20.12	20.08	20.61	21.17
12H	4H	18.98	19.72	19.46	20.20	20.67	19.07	19.82	19.56	20.29	20.76
	6H	19.33	19.95	19.84	20.46	20.94	19.46	20.07	19.97	20.58	21.07
	8H	19.44	19.98	19.95	20.47	21.04	19.57	20.11	20.08	20.60	21.16