

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: P997423

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997423
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

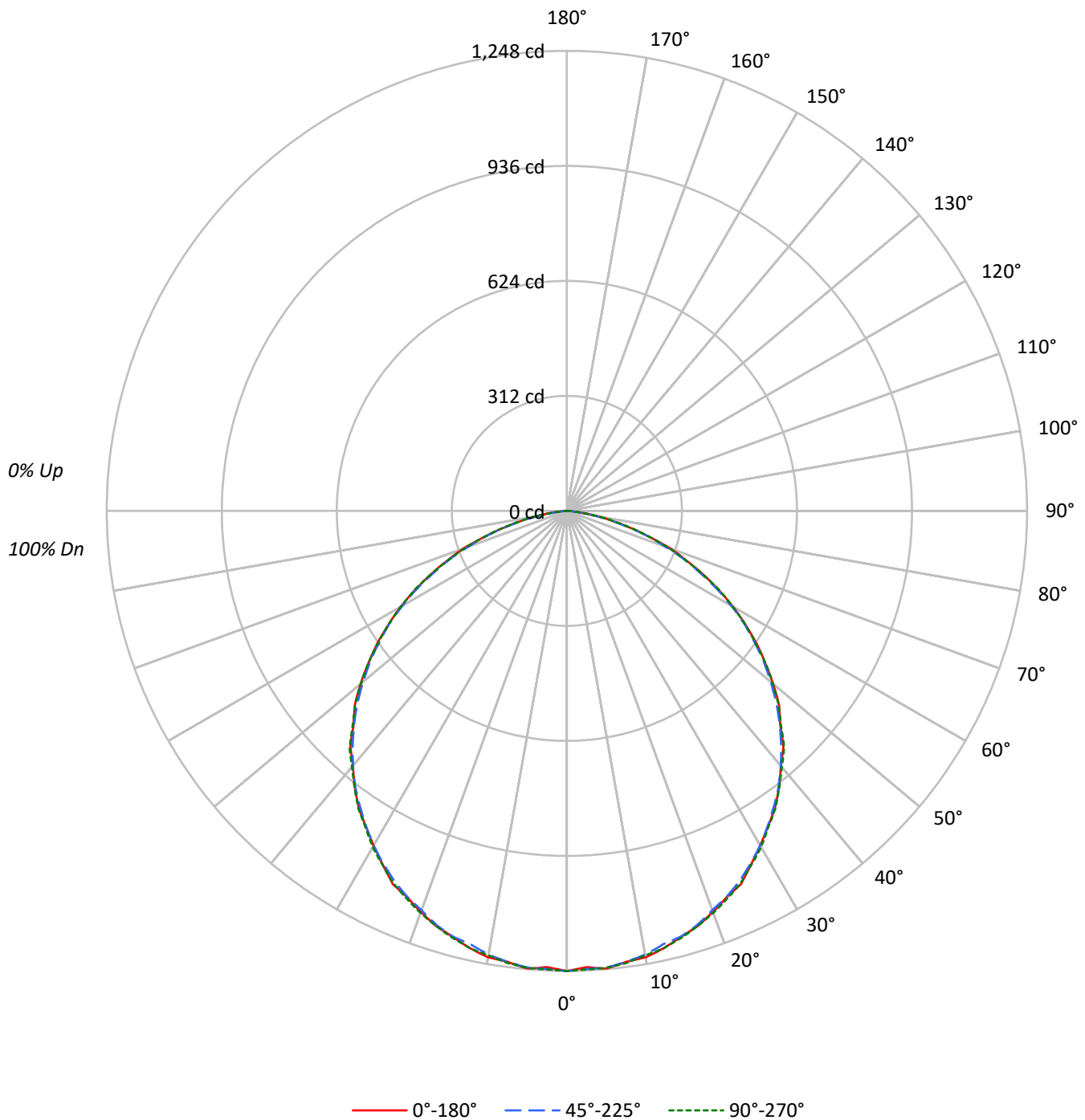
Lumens per Lamp: N/A
Luminaire Lumens: 3381.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
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		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	57	81	70	62	56	68	61	55		66	60	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	35	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°	1944	1944	1944
5°	1949	1944	1945
10°	1945	1933	1937
15°	1929	1927	1934
20°	1919	1910	1924
25°	1920	1904	1914
30°	1885	1885	1895
35°	1870	1861	1874
40°	1835	1835	1843
45°	1802	1797	1809
50°	1770	1747	1768
55°	1706	1686	1695
60°	1620	1603	1620
65°	1502	1471	1498
70°	1362	1296	1329
75°	1091	1047	1110
80°	766	719	776
85°	372	336	372

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	3.5
10°-20°	337.7	10.0
20°-30°	511.2	15.1
30°-40°	613.4	18.1
40°-50°	631.5	18.7
50°-60°	556.1	16.4
60°-70°	395.5	11.7
70°-80°	187.6	5.5
80°-90°	29.9	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°	967.0	28.6
0°-40°	1580.4	46.7
0°-60°	2768.0	81.9
0°-90°	3381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1248	1248	1248	1248	1248	
5°	1246	1244	1243	1246	1244	118
15°	1196	1197	1195	1196	1199	338
25°	1117	1113	1108	1110	1114	512
35°	984	983	978	982	986	614
45°	818	819	816	819	821	634
55°	628	620	621	624	624	560
65°	407	389	399	401	406	403
75°	181	166	174	177	184	194
85°	21	18	19	20	21	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1248.3	1248.3	1248.3	1248.3	1248.3
2.5°	1238.9	1249.4	1244.1	1245.2	1245.2
5°	1246.2	1244.1	1243.1	1246.2	1244.1
7.5°	1233.7	1238.9	1233.7	1236.9	1236.9
10°	1229.6	1226.4	1222.3	1221.2	1224.3
12.5°	1215.0	1212.9	1204.5	1213.9	1215.0
15°	1196.2	1197.3	1195.2	1196.2	1199.3
17.5°	1180.6	1180.6	1177.5	1179.5	1180.6
20°	1157.7	1162.9	1152.4	1157.7	1160.8
22.5°	1133.7	1135.8	1132.7	1133.7	1137.9
25°	1117.0	1112.9	1107.6	1109.7	1113.9
27.5°	1081.6	1083.7	1078.5	1079.5	1082.6
30°	1048.2	1047.2	1048.2	1048.2	1053.5
32.5°	1014.9	1014.9	1013.9	1013.9	1017.0
35°	983.6	982.6	978.4	981.6	985.7
37.5°	945.1	944.0	943.0	944.0	946.1
40°	902.4	905.5	902.4	903.4	906.5
42.5°	869.0	864.9	859.6	865.9	872.2
45°	818.0	819.0	815.9	819.0	821.1
47.5°	780.5	770.0	770.0	774.2	778.4
50°	730.4	723.1	721.1	726.3	729.4
52.5°	678.3	672.1	673.1	675.2	679.4
55°	628.3	620.0	621.0	624.2	624.2
57.5°	574.1	563.7	571.0	572.1	573.1
60°	520.0	507.5	514.7	515.8	520.0
62.5°	463.7	448.1	459.5	460.6	466.8
65°	407.4	388.7	399.1	401.2	406.4
67.5°	349.1	333.4	344.9	341.8	348.0
70°	299.1	276.1	284.5	286.5	291.8
72.5°	234.4	218.8	231.3	230.3	234.4
75°	181.3	165.7	174.0	177.1	184.4
77.5°	128.2	117.7	125.0	128.2	130.2
80°	85.4	77.1	80.2	83.4	86.5
82.5°	49.0	42.7	45.8	45.8	46.9
85°	20.8	17.7	18.8	19.8	20.8
87.5°	5.2	4.2	4.2	4.2	4.2
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	13.96	15.57	14.32	15.88	16.20	14.04	15.65	14.41	15.97	16.28
	3H	15.51	16.95	15.88	17.28	17.64	15.58	17.03	15.96	17.36	17.72
	4H	15.97	17.33	16.37	17.68	18.05	16.06	17.42	16.46	17.77	18.15
	6H	16.21	17.47	16.62	17.83	18.22	16.31	17.57	16.72	17.93	18.32
	8H	16.25	17.45	16.67	17.84	18.24	16.35	17.55	16.77	17.94	18.34
	12H	16.25	17.40	16.68	17.78	18.21	16.35	17.50	16.78	17.88	18.31
4H	2H	14.53	15.90	14.93	16.24	16.62	14.60	15.96	15.00	16.31	16.69
	3H	16.25	17.38	16.66	17.78	18.18	16.32	17.46	16.73	17.86	18.26
	4H	16.78	17.81	17.22	18.22	18.66	16.90	17.92	17.33	18.33	18.77
	6H	17.09	17.98	17.55	18.42	18.88	17.23	18.12	17.68	18.56	19.01
	8H	17.15	17.98	17.61	18.42	18.89	17.28	18.11	17.74	18.55	19.02
	12H	17.17	17.91	17.65	18.39	18.86	17.30	18.04	17.78	18.52	18.99
8H	4H	16.98	17.81	17.44	18.25	18.72	17.08	17.91	17.54	18.35	18.82
	6H	17.34	18.02	17.83	18.51	18.99	17.47	18.15	17.96	18.64	19.12
	8H	17.41	18.03	17.93	18.54	19.02	17.55	18.16	18.06	18.67	19.15
	12H	17.45	17.99	17.96	18.48	19.04	17.58	18.12	18.09	18.61	19.18
12H	4H	16.98	17.72	17.46	18.20	18.67	17.08	17.82	17.56	18.30	18.77
	6H	17.34	17.95	17.85	18.46	18.95	17.46	18.08	17.97	18.59	19.07
	8H	17.45	17.99	17.95	18.48	19.04	17.57	18.12	18.08	18.61	19.17