

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: P997420

Luminaire Tested: FSP-24-L3C3-CP250-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997420
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-CP250-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

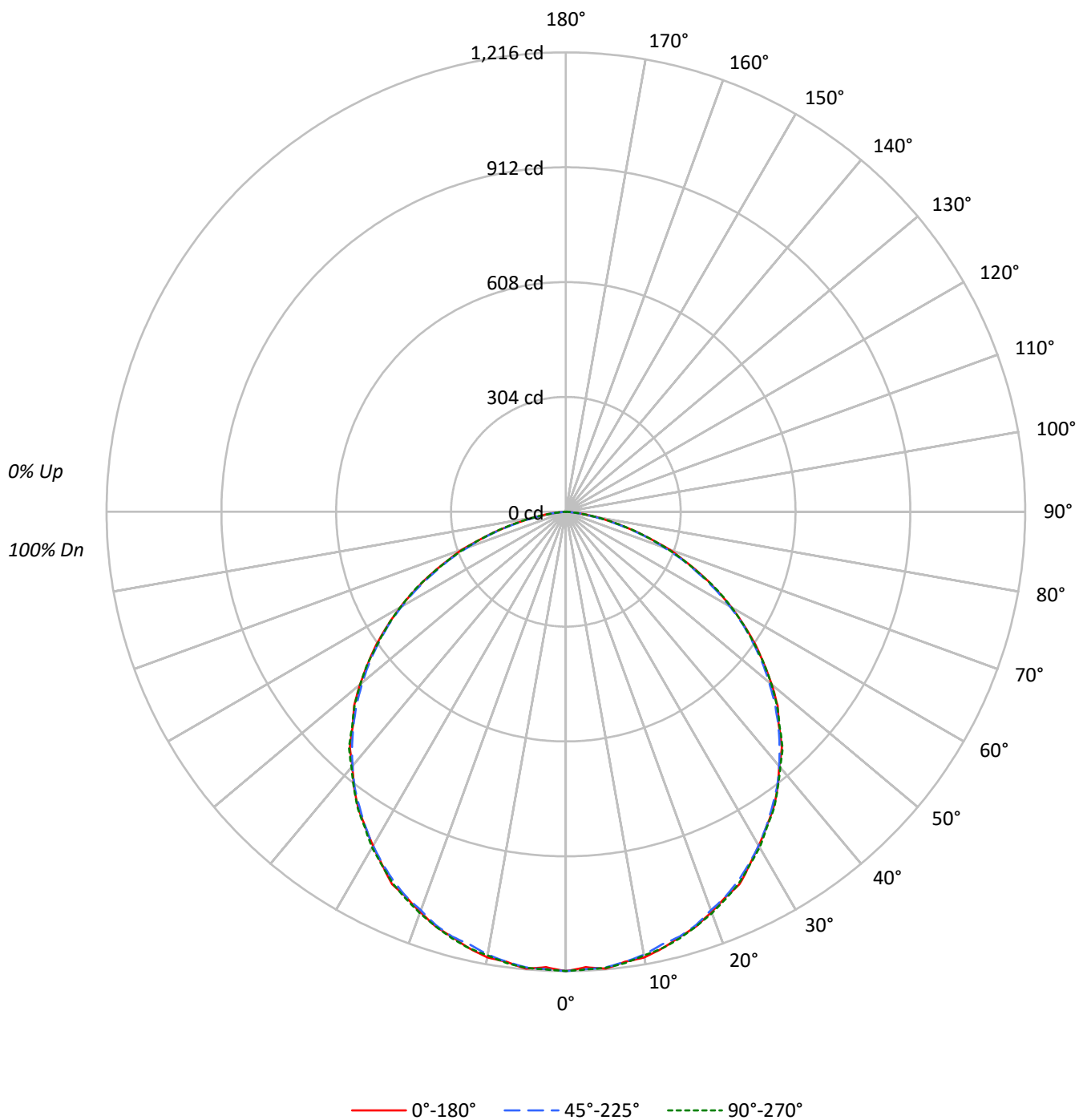
Lumens per Lamp: N/A
Luminaire Lumens: 3293.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	1894	1894	1894
5°	1898	1893	1895
10°	1894	1883	1886
15°	1879	1877	1884
20°	1869	1861	1874
25°	1870	1854	1865
30°	1836	1836	1845
35°	1822	1812	1826
40°	1787	1787	1795
45°	1755	1750	1762
50°	1724	1702	1722
55°	1662	1643	1651
60°	1578	1562	1578
65°	1463	1433	1459
70°	1327	1262	1294
75°	1063	1020	1081
80°	746	701	755
85°	363	327	363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	3.5
10°-20°	328.9	10.0
20°-30°	497.9	15.1
30°-40°	597.4	18.1
40°-50°	615.1	18.7
50°-60°	541.7	16.4
60°-70°	385.2	11.7
70°-80°	182.7	5.5
80°-90°	29.1	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°	941.8	28.6
0°-40°	1539.3	46.7
0°-60°	2696.0	81.9
0°-90°	3293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1214	1212	1211	1214	1212	115
15°	1165	1166	1164	1165	1168	329
25°	1088	1084	1079	1081	1085	498
35°	958	957	953	956	960	598
45°	797	798	795	798	800	617
55°	612	604	605	608	608	546
65°	397	378	389	391	396	393
75°	177	161	170	172	180	189
85°	20	17	18	19	20	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.8	1215.8	1215.8	1215.8	1215.8
2.5°	1206.7	1216.8	1211.8	1212.8	1212.8
5°	1213.8	1211.8	1210.7	1213.8	1211.8
7.5°	1201.6	1206.7	1201.6	1204.7	1204.7
10°	1197.6	1194.5	1190.5	1189.4	1192.5
12.5°	1183.3	1181.3	1173.2	1182.3	1183.3
15°	1165.1	1166.1	1164.1	1165.1	1168.1
17.5°	1149.9	1149.9	1146.8	1148.8	1149.9
20°	1127.5	1132.6	1122.5	1127.5	1130.6
22.5°	1104.2	1106.2	1103.2	1104.2	1108.2
25°	1087.9	1083.9	1078.8	1080.8	1084.9
27.5°	1053.4	1055.5	1050.4	1051.4	1054.5
30°	1021.0	1020.0	1021.0	1021.0	1026.0
32.5°	988.5	988.5	987.5	987.5	990.5
35°	958.0	957.0	953.0	956.0	960.1
37.5°	920.5	919.5	918.5	919.5	921.5
40°	878.9	881.9	878.9	879.9	882.9
42.5°	846.4	842.3	837.3	843.4	849.5
45°	796.7	797.7	794.6	797.7	799.7
47.5°	760.1	750.0	750.0	754.1	758.1
50°	711.4	704.3	702.3	707.4	710.4
52.5°	660.7	654.6	655.6	657.6	661.7
55°	612.0	603.9	604.9	607.9	607.9
57.5°	559.2	549.0	556.2	557.2	558.2
60°	506.4	494.2	501.3	502.4	506.4
62.5°	451.6	436.4	447.6	448.6	454.7
65°	396.8	378.5	388.7	390.7	395.8
67.5°	340.0	324.8	335.9	332.9	339.0
70°	291.3	268.9	277.1	279.1	284.2
72.5°	228.3	213.1	225.3	224.3	228.3
75°	176.6	161.4	169.5	172.5	179.6
77.5°	124.8	114.7	121.8	124.8	126.9
80°	83.2	75.1	78.1	81.2	84.2
82.5°	47.7	41.6	44.7	44.7	45.7
85°	20.3	17.3	18.3	19.3	20.3
87.5°	5.1	4.1	4.1	4.1	4.1
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	13.87	15.48	14.23	15.79	16.11	13.95	15.56	14.32	15.87	16.19
	3H	15.41	16.86	15.79	17.19	17.55	15.49	16.94	15.86	17.26	17.62
	4H	15.88	17.24	16.28	17.59	17.96	15.97	17.33	16.37	17.68	18.05
	6H	16.11	17.37	16.53	17.74	18.13	16.22	17.48	16.63	17.84	18.23
	8H	16.15	17.36	16.58	17.74	18.14	16.25	17.46	16.68	17.84	18.24
	12H	16.16	17.31	16.59	17.69	18.12	16.26	17.41	16.69	17.79	18.22
4H	2H	14.44	15.80	14.84	16.15	16.53	14.51	15.87	14.91	16.22	16.60
	3H	16.15	17.29	16.56	17.69	18.09	16.23	17.37	16.64	17.77	18.17
	4H	16.69	17.71	17.12	18.13	18.56	16.80	17.83	17.24	18.24	18.68
	6H	17.00	17.89	17.46	18.33	18.79	17.14	18.02	17.59	18.47	18.92
	8H	17.06	17.89	17.52	18.33	18.80	17.19	18.02	17.65	18.46	18.93
	12H	17.07	17.82	17.55	18.29	18.76	17.20	17.95	17.69	18.42	18.89
8H	4H	16.89	17.72	17.35	18.16	18.63	16.99	17.82	17.45	18.26	18.73
	6H	17.25	17.93	17.74	18.42	18.90	17.38	18.06	17.87	18.55	19.03
	8H	17.32	17.94	17.83	18.44	18.93	17.45	18.07	17.97	18.58	19.06
	12H	17.36	17.90	17.87	18.39	18.95	17.49	18.03	18.00	18.52	19.09
12H	4H	16.89	17.63	17.37	18.11	18.58	16.99	17.73	17.47	18.21	18.68
	6H	17.25	17.86	17.76	18.37	18.86	17.37	17.99	17.88	18.50	18.98
	8H	17.35	17.90	17.86	18.39	18.95	17.48	18.02	17.99	18.52	19.08