

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: P997402

Luminaire Tested: FSP-24-L3C3-CP125-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP125-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

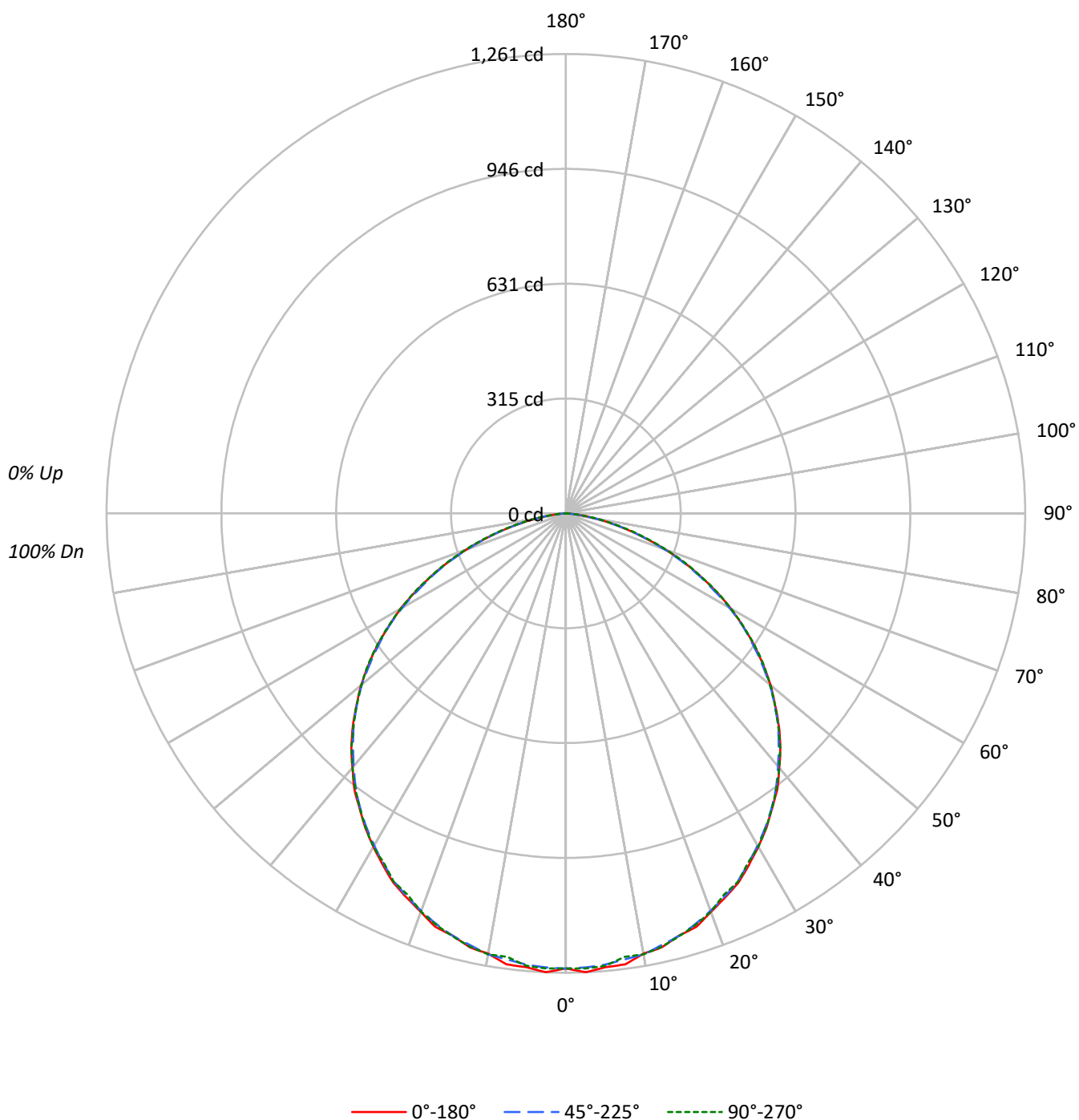
Lumens per Lamp: N/A
Luminaire Lumens: 3409.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	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°	1946	1946	1946
5°	1955	1944	1949
10°	1941	1944	1944
15°	1935	1936	1938
20°	1930	1925	1928
25°	1924	1917	1919
30°	1900	1893	1900
35°	1878	1874	1876
40°	1853	1843	1853
45°	1822	1815	1815
50°	1778	1771	1773
55°	1714	1701	1720
60°	1632	1616	1632
65°	1504	1485	1508
70°	1327	1303	1345
75°	1075	1075	1112
80°	746	746	792
85°	363	363	399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.5
10°-20°	338.9	9.9
20°-30°	513.3	15.1
30°-40°	617.0	18.1
40°-50°	636.1	18.7
50°-60°	561.8	16.5
60°-70°	400.6	11.8
70°-80°	191.2	5.6
80°-90°	31.7	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°	970.5	28.5
0°-40°	1587.5	46.6
0°-60°	2785.5	81.7
0°-90°	3409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1250	1244	1243	1241	1246	119
15°	1200	1203	1201	1200	1202	340
25°	1120	1115	1115	1113	1116	515
35°	988	984	986	986	986	619
45°	827	825	824	825	824	637
55°	631	629	626	628	633	563
65°	408	410	403	402	409	403
75°	179	181	179	175	185	192
85°	20	20	20	21	22	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.4	1249.4	1249.4	1249.4	1249.4
2.5°	1260.6	1249.4	1247.4	1249.4	1250.4
5°	1250.4	1244.3	1243.3	1241.3	1246.4
7.5°	1248.4	1240.3	1235.2	1235.2	1228.1
10°	1227.1	1231.1	1229.1	1225.0	1229.1
12.5°	1220.0	1215.9	1213.9	1213.9	1217.9
15°	1199.7	1202.7	1200.7	1199.7	1201.7
17.5°	1190.5	1185.5	1182.4	1181.4	1184.4
20°	1164.1	1161.1	1161.1	1162.1	1163.1
22.5°	1141.8	1137.8	1138.8	1141.8	1133.7
25°	1119.5	1115.4	1115.4	1113.4	1116.4
27.5°	1088.0	1086.0	1084.0	1086.0	1081.9
30°	1056.6	1053.5	1052.5	1055.5	1056.6
32.5°	1024.1	1022.1	1020.0	1021.0	1023.1
35°	987.5	984.5	985.5	986.5	986.5
37.5°	954.1	949.0	948.0	951.0	950.0
40°	911.4	913.5	906.3	910.4	911.4
42.5°	871.8	867.8	864.7	873.9	870.8
45°	827.2	825.2	824.1	825.2	824.1
47.5°	779.5	780.5	777.5	781.5	778.5
50°	733.8	734.8	730.8	730.8	731.8
52.5°	683.1	686.1	678.0	677.0	685.1
55°	631.3	629.3	626.2	628.3	633.3
57.5°	576.5	577.5	575.5	576.5	578.5
60°	523.7	521.7	518.6	513.6	523.7
62.5°	465.9	467.9	458.8	458.8	468.9
65°	408.0	410.0	402.9	401.9	409.0
67.5°	349.1	349.1	346.1	341.0	354.2
70°	291.3	291.3	286.2	286.2	295.4
72.5°	233.4	232.4	231.4	228.4	238.5
75°	178.6	180.7	178.6	174.6	184.7
77.5°	127.9	129.9	126.9	127.9	133.0
80°	83.2	83.2	83.2	82.2	88.3
82.5°	48.7	47.7	47.7	48.7	50.7
85°	20.3	20.3	20.3	21.3	22.3
87.5°	5.1	5.1	6.1	5.1	6.1
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	14.07	15.68	14.44	16.00	16.31	14.06	15.67	14.43	15.99	16.30
	3H	15.61	17.07	15.99	17.39	17.75	15.60	17.05	15.97	17.38	17.74
	4H	16.08	17.44	16.47	17.79	18.17	16.07	17.44	16.47	17.78	18.16
	6H	16.31	17.58	16.72	17.94	18.33	16.33	17.59	16.74	17.95	18.34
	8H	16.35	17.55	16.77	17.94	18.34	16.37	17.57	16.79	17.96	18.36
	12H	16.35	17.50	16.78	17.89	18.32	16.37	17.53	16.80	17.91	18.34
4H	2H	14.63	15.99	15.03	16.34	16.72	14.62	15.99	15.02	16.33	16.71
	3H	16.36	17.49	16.77	17.89	18.29	16.34	17.47	16.75	17.87	18.27
	4H	16.92	17.95	17.35	18.36	18.80	16.90	17.92	17.33	18.33	18.77
	6H	17.24	18.13	17.69	18.57	19.03	17.23	18.12	17.69	18.56	19.02
	8H	17.29	18.13	17.75	18.57	19.04	17.29	18.12	17.75	18.57	19.03
	12H	17.31	18.06	17.79	18.53	19.00	17.31	18.06	17.79	18.54	19.01
8H	4H	17.11	17.95	17.58	18.39	18.86	17.09	17.93	17.55	18.37	18.83
	6H	17.49	18.18	17.98	18.67	19.14	17.48	18.17	17.98	18.66	19.13
	8H	17.57	18.19	18.08	18.69	19.18	17.57	18.19	18.08	18.69	19.18
	12H	17.61	18.15	18.12	18.64	19.20	17.61	18.16	18.12	18.65	19.21
12H	4H	17.12	17.86	17.60	18.34	18.81	17.09	17.84	17.58	18.32	18.79
	6H	17.49	18.11	18.00	18.61	19.10	17.48	18.10	17.99	18.61	19.09
	8H	17.60	18.15	18.11	18.64	19.20	17.60	18.15	18.11	18.64	19.20