

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: P997390

Luminaire Tested: FSP-24-L3C3-CA125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997390
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-CA125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

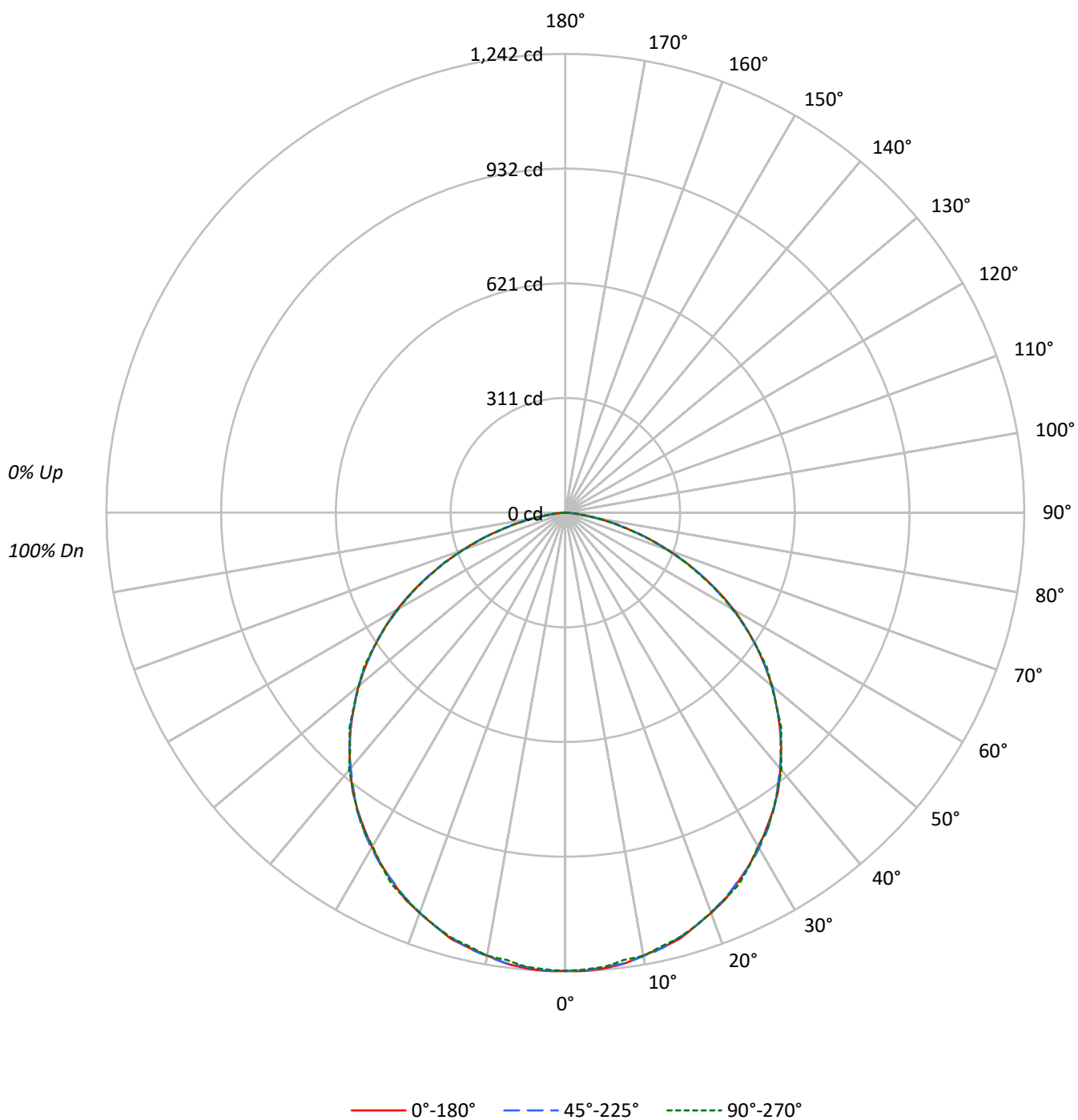
Lumens per Lamp: N/A
Luminaire Lumens: 3406.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1933	1933	1933
5°	1936	1930	1930
10°	1926	1929	1927
15°	1927	1920	1922
20°	1912	1910	1910
25°	1898	1896	1910
30°	1881	1887	1876
35°	1865	1869	1867
40°	1841	1837	1851
45°	1807	1812	1820
50°	1769	1773	1766
55°	1712	1714	1712
60°	1641	1623	1629
65°	1514	1517	1499
70°	1341	1332	1328
75°	1091	1103	1097
80°	778	778	769
85°	370	370	388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	3.4
10°-20°	336.1	9.9
20°-30°	509.2	14.9
30°-40°	613.4	18.0
40°-50°	633.3	18.6
50°-60°	563.4	16.5
60°-70°	405.3	11.9
70°-80°	195.6	5.7
80°-90°	32.4	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°	962.6	28.3
0°-40°	1576.0	46.3
0°-60°	2772.7	81.4
0°-90°	3406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1238	1233	1234	1231	1234	118
15°	1195	1193	1191	1194	1192	336
25°	1104	1104	1103	1103	1111	509
35°	981	980	983	982	982	613
45°	820	821	822	821	826	633
55°	630	629	631	632	630	563
65°	411	412	412	413	407	407
75°	181	182	183	183	182	196
85°	21	22	21	21	22	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.0	1241.0	1241.0	1241.0	1241.0
2.5°	1242.0	1241.0	1241.0	1235.1	1238.1
5°	1238.1	1233.1	1234.1	1231.2	1234.1
7.5°	1231.2	1228.2	1230.2	1223.3	1221.3
10°	1217.4	1218.4	1219.3	1214.4	1218.4
12.5°	1206.5	1209.5	1208.5	1203.6	1202.6
15°	1194.7	1192.7	1190.8	1193.7	1191.8
17.5°	1173.1	1171.1	1174.0	1173.1	1173.1
20°	1153.4	1152.4	1152.4	1149.4	1152.4
22.5°	1132.7	1129.7	1129.7	1133.7	1130.7
25°	1104.1	1104.1	1103.1	1103.1	1111.0
27.5°	1076.5	1075.5	1078.5	1080.5	1077.5
30°	1046.0	1046.0	1048.9	1047.0	1043.0
32.5°	1013.5	1012.5	1018.4	1015.5	1016.4
35°	981.0	980.0	983.0	982.0	982.0
37.5°	946.5	940.6	942.6	947.5	943.6
40°	905.2	904.2	903.2	905.2	910.1
42.5°	864.8	862.8	863.8	865.8	861.8
45°	820.4	821.4	822.4	821.4	826.4
47.5°	775.1	777.1	775.1	780.1	775.1
50°	729.8	728.8	731.8	731.8	728.8
52.5°	680.6	681.6	680.6	684.5	686.5
55°	630.4	629.4	631.3	632.3	630.4
57.5°	579.1	579.1	578.2	582.1	578.2
60°	526.9	523.0	521.0	523.0	523.0
62.5°	469.8	466.9	466.9	466.9	466.9
65°	410.7	411.7	411.7	412.7	406.8
67.5°	353.6	351.6	353.6	350.6	351.6
70°	294.5	295.5	292.5	294.5	291.5
72.5°	239.3	239.3	239.3	237.4	237.4
75°	181.2	182.2	183.2	183.2	182.2
77.5°	132.0	131.0	132.0	132.0	132.0
80°	86.7	84.7	86.7	85.7	85.7
82.5°	48.3	49.2	49.2	50.2	50.2
85°	20.7	21.7	20.7	20.7	21.7
87.5°	5.9	5.9	5.9	5.9	5.9
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	14.09	15.71	14.46	16.02	16.34	14.12	15.73	14.48	16.05	16.36
	3H	15.65	17.11	16.03	17.44	17.80	15.65	17.11	16.03	17.44	17.80
	4H	16.13	17.50	16.53	17.84	18.22	16.13	17.50	16.53	17.85	18.22
	6H	16.38	17.64	16.79	18.01	18.40	16.38	17.64	16.79	18.01	18.40
	8H	16.41	17.62	16.84	18.01	18.41	16.42	17.63	16.84	18.02	18.41
	12H	16.42	17.57	16.85	17.96	18.38	16.42	17.58	16.85	17.96	18.39
4H	2H	14.67	16.04	15.07	16.39	16.77	14.69	16.06	15.09	16.41	16.79
	3H	16.42	17.56	16.83	17.96	18.36	16.42	17.56	16.83	17.96	18.36
	4H	16.99	18.02	17.42	18.43	18.87	16.99	18.02	17.43	18.44	18.87
	6H	17.32	18.22	17.78	18.66	19.11	17.32	18.22	17.78	18.66	19.12
	8H	17.38	18.21	17.84	18.66	19.12	17.38	18.22	17.84	18.66	19.13
	12H	17.39	18.14	17.87	18.62	19.09	17.40	18.15	17.88	18.63	19.10
8H	4H	17.20	18.03	17.66	18.48	18.94	17.20	18.04	17.66	18.48	18.94
	6H	17.58	18.27	18.08	18.76	19.24	17.59	18.28	18.08	18.77	19.24
	8H	17.67	18.28	18.18	18.79	19.28	17.67	18.29	18.19	18.80	19.29
	12H	17.71	18.25	18.21	18.74	19.30	17.72	18.26	18.22	18.75	19.32
12H	4H	17.20	17.95	17.68	18.43	18.90	17.20	17.95	17.68	18.43	18.90
	6H	17.59	18.21	18.10	18.71	19.20	17.59	18.21	18.10	18.72	19.20
	8H	17.70	18.25	18.21	18.74	19.30	17.71	18.26	18.22	18.75	19.31

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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