

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: P997405

Luminaire Tested: FSP-24-L3C3-CP125-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997405
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-CP125-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

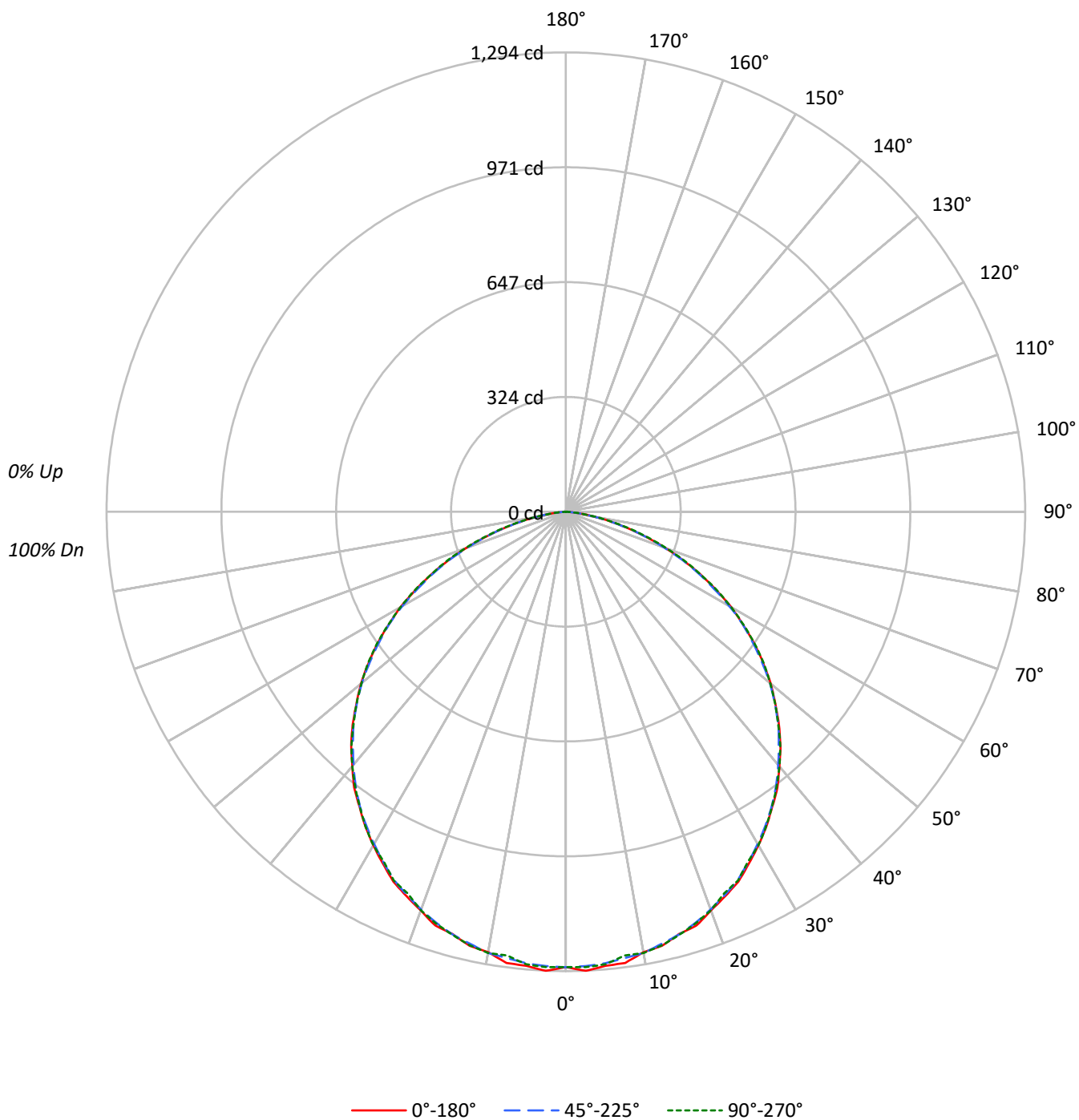
Lumens per Lamp: N/A
Luminaire Lumens: 3500.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	1998	1998	1998
5°	2007	1996	2001
10°	1993	1996	1996
15°	1986	1988	1990
20°	1981	1976	1980
25°	1976	1968	1970
30°	1951	1944	1951
35°	1928	1924	1926
40°	1903	1892	1903
45°	1871	1864	1864
50°	1826	1818	1821
55°	1760	1746	1766
60°	1675	1659	1675
65°	1544	1525	1548
70°	1362	1339	1381
75°	1104	1104	1142
80°	766	766	814
85°	372	372	409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.5
10°-20°	348.0	9.9
20°-30°	527.0	15.1
30°-40°	633.5	18.1
40°-50°	653.1	18.7
50°-60°	576.8	16.5
60°-70°	411.3	11.8
70°-80°	196.4	5.6
80°-90°	32.5	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°	996.4	28.5
0°-40°	1629.9	46.6
0°-60°	2859.8	81.7
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1284	1278	1276	1274	1280	122
15°	1232	1235	1233	1232	1234	349
25°	1149	1145	1145	1143	1146	528
35°	1014	1011	1012	1013	1013	635
45°	849	847	846	847	846	654
55°	648	646	643	645	650	578
65°	419	421	414	413	420	414
75°	183	186	183	179	190	197
85°	21	21	21	22	23	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.8	1282.8	1282.8	1282.8	1282.8
2.5°	1294.2	1282.8	1280.7	1282.8	1283.8
5°	1283.8	1277.5	1276.5	1274.4	1279.6
7.5°	1281.7	1273.4	1268.2	1268.2	1260.9
10°	1259.8	1264.0	1261.9	1257.7	1261.9
12.5°	1252.5	1248.4	1246.3	1246.3	1250.5
15°	1231.7	1234.8	1232.7	1231.7	1233.8
17.5°	1222.3	1217.1	1214.0	1212.9	1216.1
20°	1195.2	1192.1	1192.1	1193.1	1194.2
22.5°	1172.3	1168.1	1169.2	1172.3	1164.0
25°	1149.4	1145.2	1145.2	1143.1	1146.2
27.5°	1117.1	1115.0	1112.9	1115.0	1110.8
30°	1084.8	1081.6	1080.6	1083.7	1084.8
32.5°	1051.4	1049.3	1047.3	1048.3	1050.4
35°	1013.9	1010.8	1011.8	1012.9	1012.9
37.5°	979.5	974.3	973.3	976.4	975.4
40°	935.8	937.8	930.5	934.7	935.8
42.5°	895.1	890.9	887.8	897.2	894.1
45°	849.3	847.2	846.1	847.2	846.1
47.5°	800.3	801.3	798.2	802.4	799.2
50°	753.4	754.4	750.3	750.3	751.3
52.5°	701.3	704.4	696.1	695.0	703.4
55°	648.2	646.1	642.9	645.0	650.2
57.5°	591.9	592.9	590.8	591.9	594.0
60°	537.7	535.6	532.5	527.3	537.7
62.5°	478.3	480.4	471.0	471.0	481.4
65°	418.9	421.0	413.7	412.6	419.9
67.5°	358.5	358.5	355.3	350.1	363.7
70°	299.1	299.1	293.9	293.9	303.2
72.5°	239.7	238.6	237.6	234.5	244.9
75°	183.4	185.5	183.4	179.2	189.7
77.5°	131.3	133.4	130.3	131.3	136.5
80°	85.4	85.4	85.4	84.4	90.7
82.5°	50.0	49.0	49.0	50.0	52.1
85°	20.8	20.8	20.8	21.9	22.9
87.5°	5.2	5.2	6.3	5.2	6.3
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	14.16	15.78	14.53	16.09	16.40	14.15	15.77	14.52	16.08	16.39
	3H	15.71	17.16	16.08	17.48	17.84	15.69	17.14	16.07	17.47	17.83
	4H	16.17	17.53	16.57	17.88	18.26	16.16	17.53	16.56	17.88	18.25
	6H	16.40	17.67	16.82	18.03	18.42	16.42	17.68	16.83	18.04	18.44
	8H	16.44	17.65	16.87	18.03	18.43	16.46	17.66	16.88	18.05	18.45
	12H	16.44	17.60	16.87	17.98	18.41	16.47	17.62	16.89	18.00	18.43
4H	2H	14.72	16.09	15.12	16.43	16.81	14.71	16.08	15.11	16.43	16.80
	3H	16.45	17.59	16.86	17.98	18.38	16.43	17.57	16.84	17.96	18.36
	4H	17.01	18.04	17.44	18.45	18.89	16.99	18.01	17.42	18.43	18.86
	6H	17.33	18.22	17.79	18.66	19.12	17.32	18.21	17.78	18.65	19.11
	8H	17.39	18.22	17.85	18.66	19.13	17.38	18.22	17.84	18.66	19.12
	12H	17.40	18.15	17.88	18.62	19.09	17.40	18.15	17.89	18.63	19.10
8H	4H	17.21	18.04	17.67	18.48	18.95	17.18	18.02	17.65	18.46	18.93
	6H	17.58	18.27	18.08	18.76	19.23	17.57	18.26	18.07	18.75	19.23
	8H	17.66	18.28	18.17	18.79	19.27	17.66	18.28	18.17	18.78	19.27
	12H	17.70	18.24	18.21	18.73	19.30	17.71	18.25	18.21	18.74	19.30
12H	4H	17.21	17.95	17.69	18.43	18.90	17.19	17.93	17.67	18.41	18.88
	6H	17.58	18.20	18.09	18.71	19.19	17.57	18.19	18.08	18.70	19.18
	8H	17.70	18.24	18.20	18.73	19.29	17.70	18.24	18.20	18.73	19.29