

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: P997393

Luminaire Tested: FSP-24-L3C3-CA125-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997393
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-CA125-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

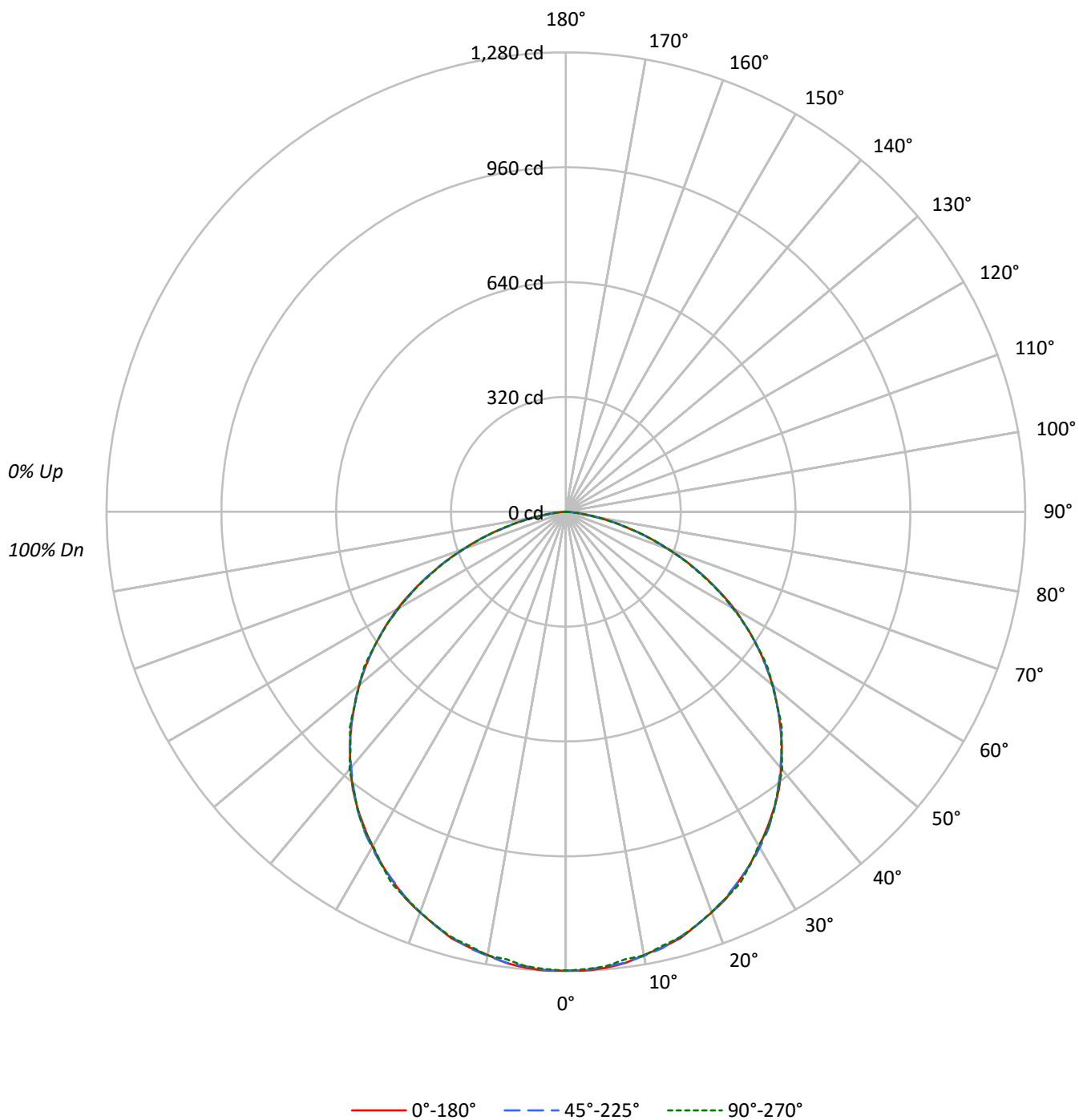
Lumens per Lamp: N/A
Luminaire Lumens: 3509.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997393

CATALOG NUMBER: FSP-24-L3C3-CA125-3500K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997393

CATALOG NUMBER: FSP-24-L3C3-CA125-3500K-LOW

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°	1992	1992	1992
5°	1994	1988	1988
10°	1984	1987	1985
15°	1985	1978	1980
20°	1970	1968	1968
25°	1955	1953	1967
30°	1938	1944	1933
35°	1922	1926	1924
40°	1896	1892	1907
45°	1862	1867	1875
50°	1822	1827	1820
55°	1764	1766	1764
60°	1691	1672	1679
65°	1559	1564	1545
70°	1382	1373	1368
75°	1124	1136	1130
80°	801	801	792
85°	381	381	399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1875 cd/sqm

TEST NUMBER: P997393

CATALOG NUMBER: FSP-24-L3C3-CA125-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	3.4
10°-20°	346.3	9.9
20°-30°	524.6	14.9
30°-40°	631.9	18.0
40°-50°	652.5	18.6
50°-60°	580.4	16.5
60°-70°	417.5	11.9
70°-80°	201.5	5.7
80°-90°	33.4	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°	991.7	28.3
0°-40°	1623.6	46.3
0°-60°	2856.5	81.4
0°-90°	3509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1276	1270	1271	1268	1271	121
15°	1231	1229	1227	1230	1228	347
25°	1138	1138	1136	1136	1145	525
35°	1011	1010	1013	1012	1012	632
45°	845	846	847	846	851	652
55°	649	648	650	651	649	580
65°	423	424	424	425	419	419
75°	187	188	189	189	188	202
85°	21	22	21	21	22	33
90°	0	0	0	0	0	

TEST NUMBER: P997393

CATALOG NUMBER: FSP-24-L3C3-CA125-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.5	1278.5	1278.5	1278.5	1278.5
2.5°	1279.6	1278.5	1278.5	1272.5	1275.5
5°	1275.5	1270.4	1271.4	1268.4	1271.4
7.5°	1268.4	1265.3	1267.4	1260.3	1258.2
10°	1254.2	1255.2	1256.2	1251.1	1255.2
12.5°	1243.0	1246.1	1245.1	1240.0	1239.0
15°	1230.8	1228.8	1226.8	1229.8	1227.8
17.5°	1208.5	1206.5	1209.5	1208.5	1208.5
20°	1188.2	1187.2	1187.2	1184.2	1187.2
22.5°	1166.9	1163.9	1163.9	1167.9	1164.9
25°	1137.5	1137.5	1136.5	1136.5	1144.6
27.5°	1109.1	1108.1	1111.1	1113.1	1110.1
30°	1077.6	1077.6	1080.7	1078.6	1074.6
32.5°	1044.1	1043.1	1049.2	1046.2	1047.2
35°	1010.7	1009.6	1012.7	1011.7	1011.7
37.5°	975.1	969.1	971.1	976.2	972.1
40°	932.5	931.5	930.5	932.5	937.6
42.5°	890.9	888.9	889.9	891.9	887.9
45°	845.3	846.3	847.3	846.3	851.3
47.5°	798.6	800.6	798.6	803.7	798.6
50°	751.9	750.9	753.9	753.9	750.9
52.5°	701.2	702.2	701.2	705.2	707.3
55°	649.4	648.4	650.4	651.4	649.4
57.5°	596.7	596.7	595.6	599.7	595.6
60°	542.9	538.8	536.8	538.8	538.8
62.5°	484.0	481.0	481.0	481.0	481.0
65°	423.1	424.2	424.2	425.2	419.1
67.5°	364.3	362.3	364.3	361.2	362.3
70°	303.4	304.4	301.4	303.4	300.4
72.5°	246.6	246.6	246.6	244.5	244.5
75°	186.7	187.7	188.7	188.7	187.7
77.5°	136.0	135.0	136.0	136.0	136.0
80°	89.3	87.3	89.3	88.3	88.3
82.5°	49.7	50.7	50.7	51.8	51.8
85°	21.3	22.3	21.3	21.3	22.3
87.5°	6.1	6.1	6.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997393

CATALOG NUMBER: FSP-24-L3C3-CA125-3500K-LOW

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	14.20	15.81	14.56	16.13	16.44	14.22	15.84	14.58	16.15	16.46
	3H	15.76	17.21	16.13	17.54	17.90	15.76	17.21	16.14	17.54	17.90
	4H	16.23	17.60	16.63	17.95	18.33	16.23	17.60	16.63	17.95	18.33
	6H	16.48	17.75	16.89	18.11	18.50	16.48	17.75	16.89	18.11	18.50
	8H	16.52	17.73	16.94	18.12	18.51	16.52	17.73	16.95	18.12	18.52
	12H	16.52	17.68	16.95	18.06	18.49	16.53	17.68	16.96	18.06	18.49
4H	2H	14.78	16.15	15.18	16.49	16.87	14.80	16.17	15.20	16.51	16.89
	3H	16.53	17.67	16.94	18.07	18.47	16.53	17.67	16.94	18.06	18.46
	4H	17.10	18.13	17.53	18.54	18.98	17.10	18.13	17.53	18.54	18.98
	6H	17.43	18.32	17.88	18.76	19.22	17.43	18.32	17.88	18.76	19.22
	8H	17.48	18.32	17.94	18.76	19.23	17.49	18.32	17.95	18.77	19.23
	12H	17.50	18.25	17.98	18.72	19.19	17.51	18.26	17.99	18.73	19.20
8H	4H	17.30	18.14	17.76	18.58	19.05	17.30	18.14	17.76	18.58	19.05
	6H	17.69	18.38	18.18	18.87	19.34	17.69	18.38	18.19	18.87	19.35
	8H	17.77	18.39	18.28	18.90	19.38	17.78	18.40	18.29	18.90	19.39
	12H	17.81	18.36	18.32	18.85	19.41	17.82	18.37	18.33	18.86	19.42
12H	4H	17.30	18.05	17.79	18.53	19.00	17.31	18.05	17.79	18.53	19.00
	6H	17.69	18.31	18.20	18.82	19.30	17.69	18.31	18.20	18.82	19.31
	8H	17.81	18.35	18.31	18.84	19.41	17.81	18.36	18.32	18.85	19.41