

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: P997399

Luminaire Tested: FSP-24-L3C3-CP125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997399
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-CP125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

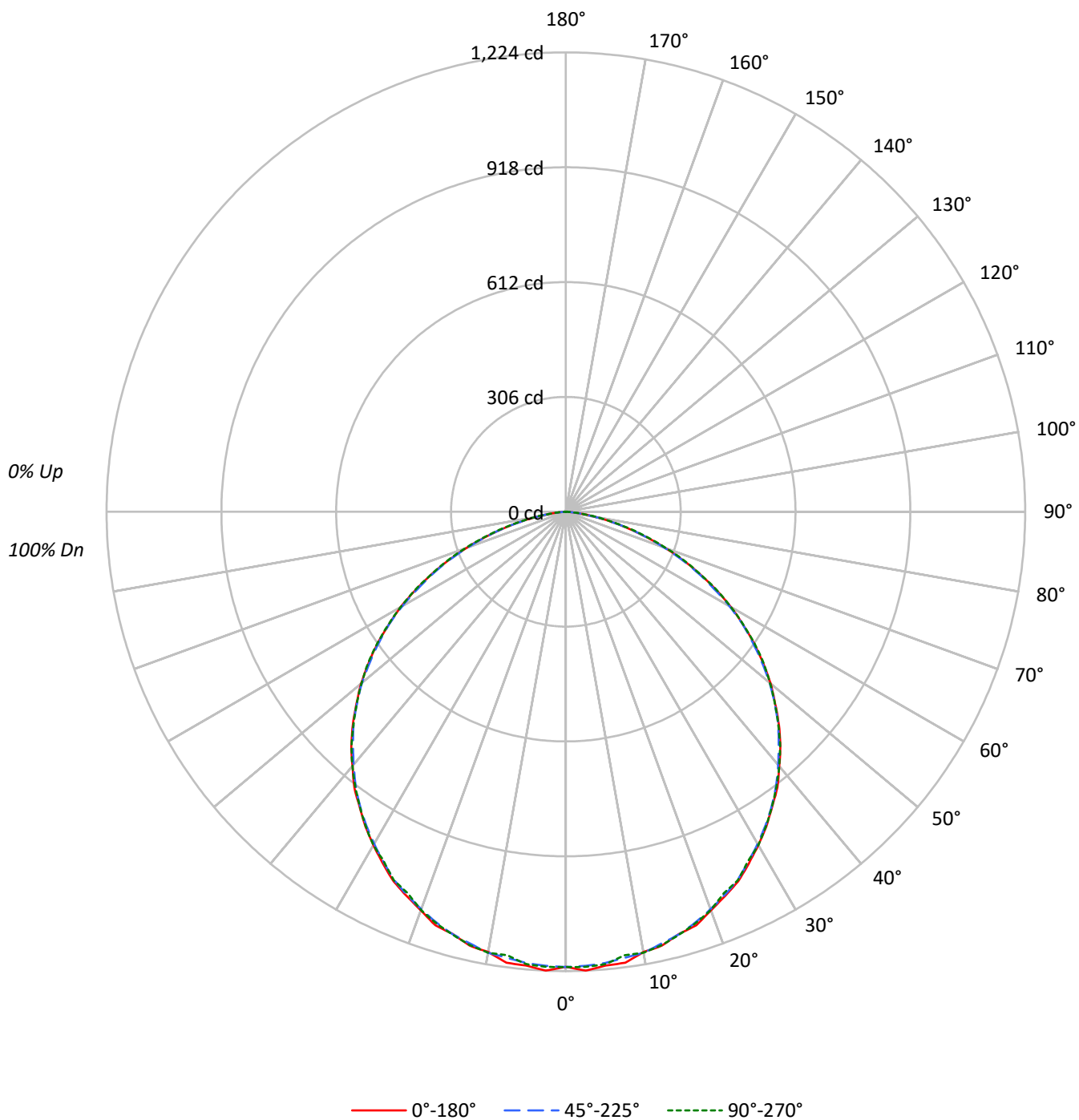
Lumens per Lamp: N/A
Luminaire Lumens: 3309.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997399

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997399

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-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	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°	1889	1889	1889
5°	1898	1887	1892
10°	1884	1887	1887
15°	1878	1880	1881
20°	1873	1868	1872
25°	1868	1861	1863
30°	1845	1838	1845
35°	1823	1819	1821
40°	1799	1789	1799
45°	1769	1762	1762
50°	1726	1719	1721
55°	1664	1651	1669
60°	1584	1568	1584
65°	1460	1442	1463
70°	1288	1265	1306
75°	1044	1044	1079
80°	725	725	769
85°	352	352	388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1769 cd/sqm

TEST NUMBER: P997399

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	3.5
10°-20°	329.0	9.9
20°-30°	498.2	15.1
30°-40°	598.9	18.1
40°-50°	617.5	18.7
50°-60°	545.3	16.5
60°-70°	388.9	11.8
70°-80°	185.6	5.6
80°-90°	30.7	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°	942.0	28.5
0°-40°	1540.9	46.6
0°-60°	2703.7	81.7
0°-90°	3309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3309.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1214	1208	1207	1205	1210	115
15°	1164	1167	1166	1164	1166	330
25°	1087	1083	1083	1081	1084	499
35°	959	956	957	958	958	600
45°	803	801	800	801	800	619
55°	613	611	608	610	615	547
65°	396	398	391	390	397	391
75°	173	175	173	170	179	186
85°	20	20	20	21	22	31
90°	0	0	0	0	0	

TEST NUMBER: P997399

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1212.8	1212.8	1212.8	1212.8	1212.8
2.5°	1223.6	1212.8	1210.8	1212.8	1213.7
5°	1213.7	1207.8	1206.8	1204.9	1209.8
7.5°	1211.8	1203.9	1199.0	1199.0	1192.1
10°	1191.1	1195.0	1193.0	1189.1	1193.0
12.5°	1184.2	1180.2	1178.3	1178.3	1182.2
15°	1164.5	1167.4	1165.5	1164.5	1166.4
17.5°	1155.6	1150.7	1147.7	1146.7	1149.7
20°	1130.0	1127.0	1127.0	1128.0	1129.0
22.5°	1108.3	1104.4	1105.4	1108.3	1100.4
25°	1086.6	1082.7	1082.7	1080.7	1083.7
27.5°	1056.1	1054.1	1052.2	1054.1	1050.2
30°	1025.6	1022.6	1021.6	1024.6	1025.6
32.5°	994.0	992.1	990.1	991.1	993.1
35°	958.6	955.6	956.6	957.6	957.6
37.5°	926.1	921.1	920.2	923.1	922.1
40°	884.7	886.7	879.8	883.7	884.7
42.5°	846.3	842.3	839.4	848.2	845.3
45°	802.9	800.9	800.0	800.9	800.0
47.5°	756.6	757.6	754.6	758.6	755.6
50°	712.3	713.3	709.3	709.3	710.3
52.5°	663.0	666.0	658.1	657.1	665.0
55°	612.8	610.8	607.9	609.8	614.7
57.5°	559.6	560.6	558.6	559.6	561.6
60°	508.4	506.4	503.4	498.5	508.4
62.5°	452.2	454.2	445.3	445.3	455.2
65°	396.0	398.0	391.1	390.1	397.0
67.5°	338.9	338.9	335.9	331.0	343.8
70°	282.7	282.7	277.8	277.8	286.7
72.5°	226.6	225.6	224.6	221.7	231.5
75°	173.4	175.4	173.4	169.5	179.3
77.5°	124.1	126.1	123.1	124.1	129.1
80°	80.8	80.8	80.8	79.8	85.7
82.5°	47.3	46.3	46.3	47.3	49.3
85°	19.7	19.7	19.7	20.7	21.7
87.5°	4.9	4.9	5.9	4.9	5.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997399

CATALOG NUMBER: FSP-24-L3C3-CP125-3000K-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	13.97	15.58	14.33	15.90	16.21	13.96	15.57	14.32	15.88	16.20
	3H	15.51	16.96	15.89	17.29	17.65	15.49	16.95	15.87	17.27	17.63
	4H	15.97	17.34	16.37	17.69	18.06	15.97	17.33	16.37	17.68	18.06
	6H	16.21	17.47	16.62	17.84	18.23	16.22	17.48	16.63	17.85	18.24
	8H	16.25	17.45	16.67	17.84	18.24	16.26	17.47	16.69	17.86	18.26
	12H	16.25	17.40	16.68	17.78	18.21	16.27	17.42	16.70	17.81	18.23
4H	2H	14.53	15.89	14.93	16.24	16.62	14.52	15.88	14.92	16.23	16.61
	3H	16.25	17.39	16.66	17.79	18.19	16.23	17.37	16.64	17.77	18.17
	4H	16.82	17.84	17.25	18.26	18.69	16.79	17.82	17.22	18.23	18.67
	6H	17.14	18.03	17.59	18.47	18.93	17.13	18.02	17.58	18.46	18.92
	8H	17.19	18.02	17.65	18.47	18.93	17.19	18.02	17.65	18.46	18.93
	12H	17.21	17.95	17.69	18.43	18.90	17.21	17.96	17.69	18.43	18.90
8H	4H	17.01	17.84	17.47	18.29	18.75	16.99	17.82	17.45	18.26	18.73
	6H	17.39	18.07	17.88	18.56	19.04	17.38	18.07	17.87	18.55	19.03
	8H	17.47	18.08	17.98	18.59	19.08	17.47	18.08	17.98	18.59	19.08
	12H	17.51	18.05	18.01	18.54	19.10	17.51	18.05	18.02	18.55	19.11
12H	4H	17.01	17.76	17.49	18.23	18.70	16.99	17.74	17.47	18.21	18.68
	6H	17.39	18.00	17.90	18.51	19.00	17.38	18.00	17.89	18.50	18.99
	8H	17.50	18.04	18.01	18.54	19.10	17.50	18.04	18.01	18.53	19.10