

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: P997387

Luminaire Tested: FSP-24-L3C3-CA08-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CA08-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

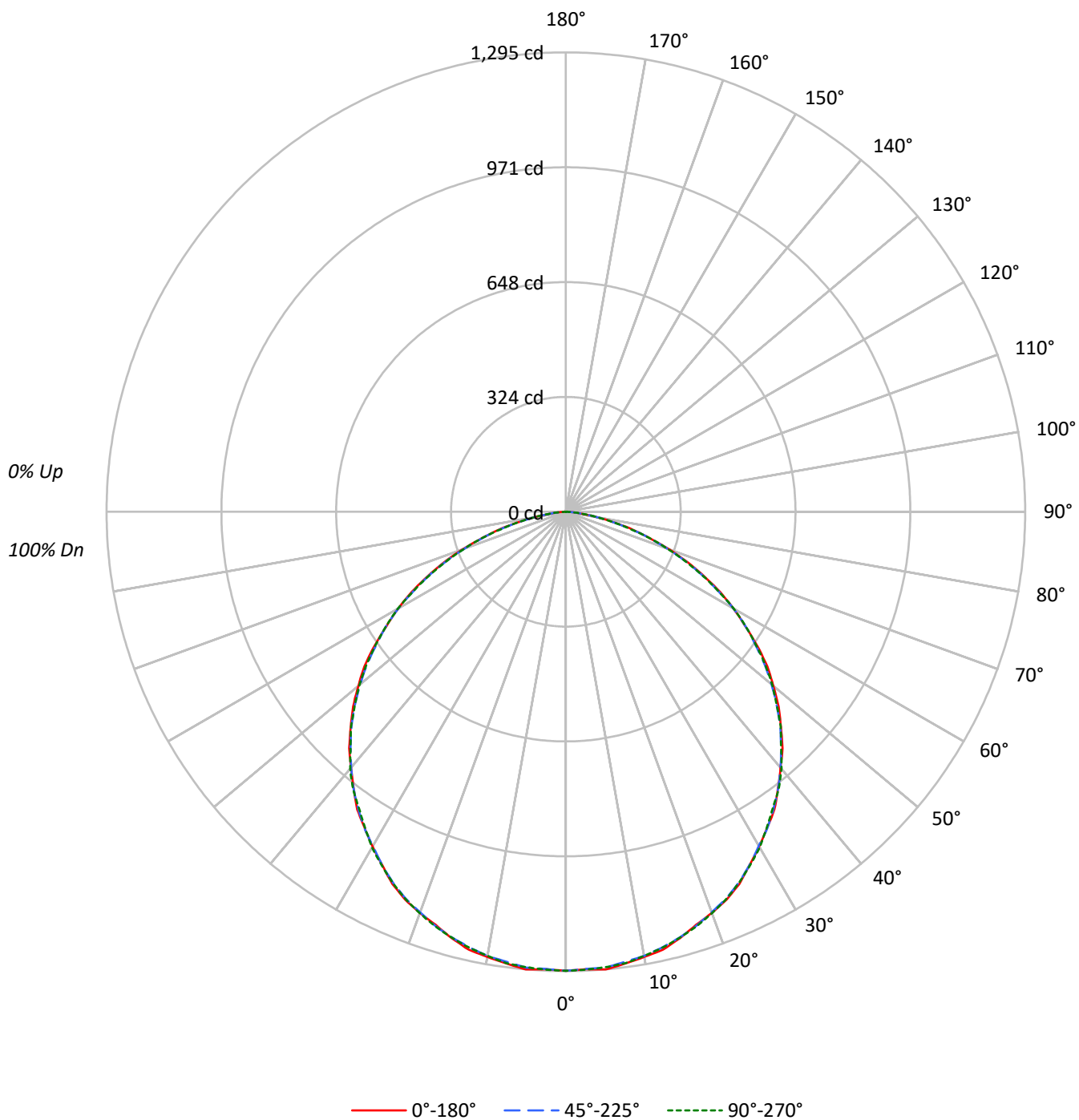
Lumens per Lamp: N/A
Luminaire Lumens: 3548.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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: P997387

CATALOG NUMBER: FSP-24-L3C3-CA08-4000K-LOW

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	102	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°	2016	2016	2016
5°	2025	2017	2015
10°	2015	2011	2011
15°	2006	2003	2004
20°	1995	1991	1996
25°	1989	1982	1984
30°	1960	1956	1966
35°	1950	1942	1936
40°	1915	1915	1924
45°	1889	1882	1887
50°	1851	1833	1841
55°	1788	1769	1777
60°	1701	1701	1704
65°	1586	1571	1567
70°	1414	1385	1390
75°	1185	1148	1135
80°	813	813	823
85°	429	429	465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1889 cd/sqm

TEST NUMBER: P997387

CATALOG NUMBER: FSP-24-L3C3-CA08-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	3.5
10°-20°	350.6	9.9
20°-30°	531.0	15.0
30°-40°	638.5	18.0
40°-50°	659.1	18.6
50°-60°	585.5	16.5
60°-70°	421.5	11.9
70°-80°	203.9	5.7
80°-90°	35.5	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°	1003.9	28.3
0°-40°	1642.5	46.3
0°-60°	2887.1	81.4
0°-90°	3548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1295	1292	1290	1286	1289	123
15°	1244	1243	1242	1239	1243	351
25°	1158	1152	1153	1153	1154	532
35°	1025	1022	1021	1022	1018	639
45°	858	856	854	854	856	662
55°	658	657	651	654	654	588
65°	430	427	426	422	425	425
75°	197	193	191	190	189	207
85°	24	24	24	24	26	35
90°	0	0	0	0	0	

TEST NUMBER: P997387

CATALOG NUMBER: FSP-24-L3C3-CA08-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.0	1294.0	1294.0	1294.0	1294.0
2.5°	1290.9	1290.9	1289.8	1290.9	1291.9
5°	1295.0	1291.9	1289.8	1285.7	1288.8
7.5°	1284.6	1281.5	1279.4	1276.3	1283.6
10°	1274.2	1274.2	1271.1	1265.9	1271.1
12.5°	1264.8	1258.6	1257.5	1256.5	1258.6
15°	1244.0	1242.9	1241.9	1238.8	1242.9
17.5°	1221.1	1224.2	1224.2	1224.2	1225.2
20°	1203.4	1201.3	1201.3	1201.3	1204.4
22.5°	1183.6	1179.4	1180.4	1176.3	1181.5
25°	1157.5	1152.3	1153.3	1153.3	1154.4
27.5°	1122.1	1122.1	1122.1	1123.1	1124.2
30°	1089.8	1091.9	1087.7	1086.7	1092.9
32.5°	1056.4	1056.4	1057.5	1053.3	1054.4
35°	1025.2	1022.1	1021.0	1022.1	1017.9
37.5°	982.5	984.6	983.5	982.5	985.6
40°	941.8	945.0	941.8	940.8	946.0
42.5°	904.3	901.2	898.1	896.0	898.1
45°	857.5	856.4	854.3	854.3	856.4
47.5°	813.7	811.6	806.4	805.4	806.4
50°	763.7	761.6	756.4	760.6	759.5
52.5°	715.8	711.6	706.4	708.5	708.5
55°	658.5	657.4	651.2	654.3	654.3
57.5°	599.1	603.2	601.2	600.1	601.2
60°	545.9	549.1	545.9	542.8	547.0
62.5°	490.7	488.6	484.5	484.5	484.5
65°	430.3	427.2	426.1	422.0	425.1
67.5°	370.9	367.8	365.7	364.7	364.7
70°	310.5	308.4	304.2	303.2	305.3
72.5°	248.0	249.0	246.9	244.8	248.0
75°	196.9	192.7	190.7	189.6	188.6
77.5°	139.6	137.5	136.5	136.5	137.5
80°	90.6	90.6	90.6	90.6	91.7
82.5°	52.1	53.1	52.1	54.2	55.2
85°	24.0	24.0	24.0	24.0	26.0
87.5°	8.3	7.3	7.3	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997387

CATALOG NUMBER: FSP-24-L3C3-CA08-4000K-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	14.23	15.84	14.59	16.16	16.47	14.20	15.82	14.56	16.13	16.44
	3H	15.81	17.26	16.18	17.59	17.95	15.75	17.21	16.13	17.54	17.90
	4H	16.30	17.67	16.70	18.02	18.39	16.23	17.60	16.63	17.95	18.32
	6H	16.55	17.82	16.96	18.18	18.58	16.48	17.75	16.89	18.12	18.51
	8H	16.59	17.80	17.02	18.19	18.59	16.53	17.74	16.96	18.13	18.53
	12H	16.60	17.76	17.03	18.14	18.57	16.54	17.70	16.97	18.08	18.51
4H	2H	14.80	16.17	15.20	16.52	16.90	14.78	16.15	15.18	16.50	16.87
	3H	16.57	17.71	16.98	18.11	18.51	16.52	17.66	16.93	18.06	18.46
	4H	17.16	18.19	17.59	18.60	19.04	17.09	18.12	17.52	18.53	18.97
	6H	17.49	18.39	17.95	18.83	19.29	17.43	18.32	17.88	18.77	19.22
	8H	17.55	18.39	18.01	18.83	19.30	17.50	18.33	17.96	18.78	19.24
	12H	17.57	18.32	18.05	18.80	19.27	17.52	18.27	18.01	18.75	19.22
8H	4H	17.36	18.19	17.82	18.64	19.10	17.30	18.13	17.76	18.58	19.04
	6H	17.75	18.44	18.25	18.93	19.41	17.70	18.39	18.19	18.88	19.35
	8H	17.84	18.46	18.35	18.97	19.46	17.80	18.41	18.31	18.92	19.41
	12H	17.89	18.44	18.40	18.93	19.49	17.85	18.40	18.36	18.89	19.45
12H	4H	17.36	18.11	17.84	18.59	19.06	17.30	18.05	17.78	18.53	19.00
	6H	17.76	18.38	18.27	18.88	19.37	17.70	18.32	18.21	18.83	19.32
	8H	17.88	18.43	18.39	18.92	19.48	17.83	18.38	18.34	18.87	19.43