

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: P997426

Luminaire Tested: FSP-24-L3C3-CP375-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP375-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

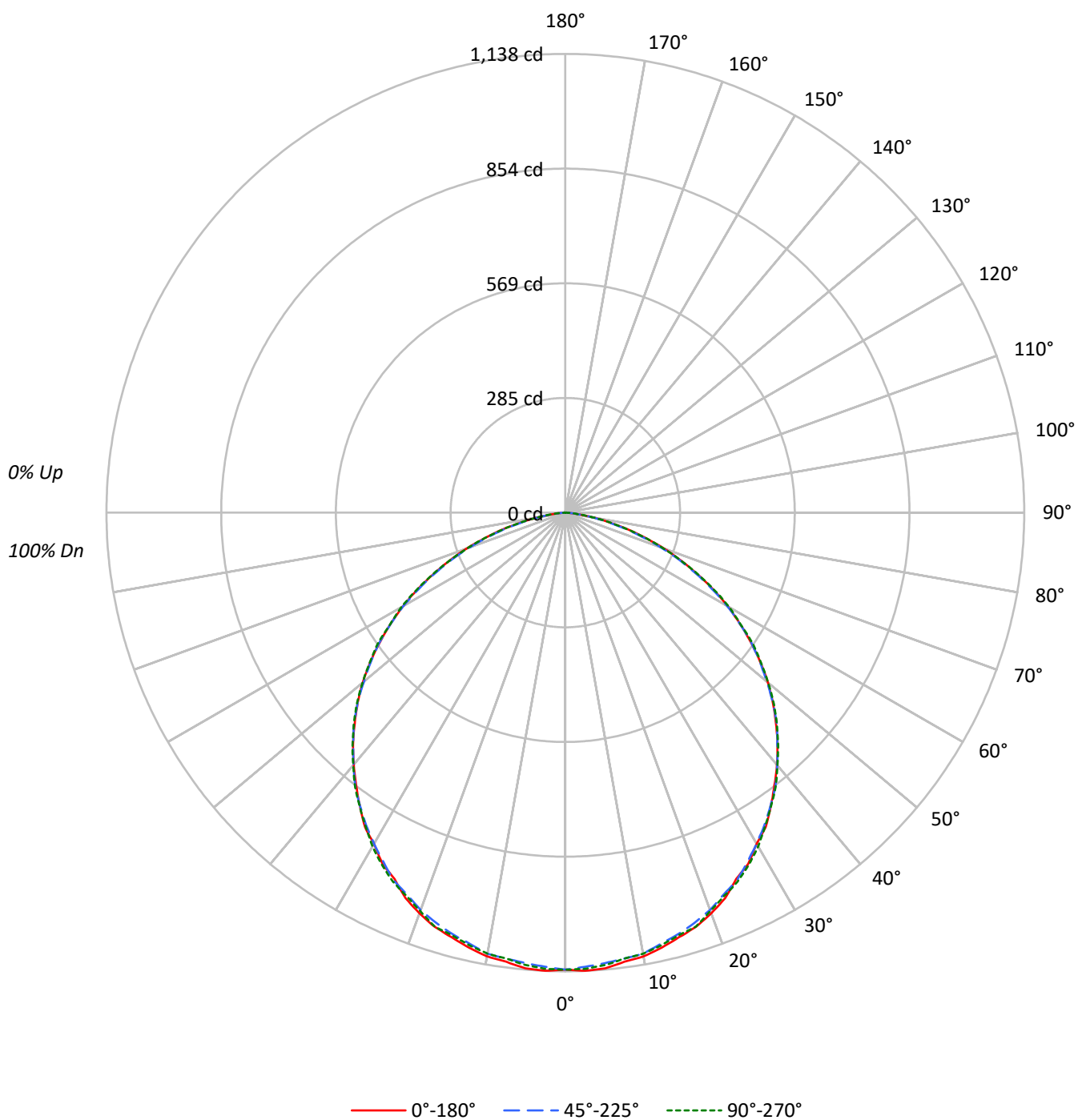
Lumens per Lamp: N/A
Luminaire Lumens: 3050.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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: P997426

CATALOG NUMBER: FSP-24-L3C3-CP375-3000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997426

CATALOG NUMBER: FSP-24-L3C3-CP375-3000K-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		95	92	90		91
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1766	1766	1766
5°	1774	1754	1762
10°	1768	1757	1757
15°	1758	1746	1750
20°	1753	1739	1744
25°	1723	1730	1737
30°	1706	1706	1720
35°	1689	1688	1691
40°	1660	1662	1664
45°	1627	1634	1634
50°	1590	1580	1592
55°	1527	1530	1543
60°	1451	1445	1464
65°	1332	1318	1340
70°	1184	1149	1180
75°	961	919	955
80°	663	618	663
85°	298	265	282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1636 cd/sqm

TEST NUMBER: P997426

CATALOG NUMBER: FSP-24-L3C3-CP375-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.5
10°-20°	306.7	10.1
20°-30°	463.1	15.2
30°-40°	555.1	18.2
40°-50°	569.9	18.7
50°-60°	501.3	16.4
60°-70°	354.6	11.6
70°-80°	166.5	5.5
80°-90°	25.7	0.8
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°	876.9	28.8
0°-40°	1432.0	47.0
0°-60°	2503.3	82.1
0°-90°	3050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1135	1132	1122	1127	1127	108
15°	1090	1087	1082	1084	1085	308
25°	1003	1003	1007	1004	1011	464
35°	888	886	888	888	889	555
45°	739	737	742	743	742	570
55°	562	562	563	560	568	502
65°	362	357	358	356	364	358
75°	160	155	153	155	159	171
85°	17	17	15	16	16	27
90°	0	0	0	0	0	

TEST NUMBER: P997426

CATALOG NUMBER: FSP-24-L3C3-CP375-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.7	1133.7	1133.7	1133.7	1133.7
2.5°	1137.6	1135.7	1127.8	1129.8	1132.7
5°	1134.7	1131.7	1121.9	1126.8	1126.8
7.5°	1123.8	1120.9	1116.0	1118.9	1116.0
10°	1117.9	1116.9	1111.0	1110.1	1111.0
12.5°	1105.1	1102.2	1095.3	1100.2	1099.2
15°	1090.4	1087.4	1082.5	1083.5	1085.4
17.5°	1077.5	1075.6	1066.7	1069.7	1076.6
20°	1057.8	1051.0	1049.0	1050.0	1051.9
22.5°	1035.2	1030.3	1025.3	1027.3	1029.3
25°	1002.7	1002.7	1006.6	1003.7	1010.6
27.5°	982.0	980.0	977.1	977.1	985.0
30°	948.5	948.5	948.5	951.5	956.4
32.5°	924.9	920.9	919.0	920.0	921.9
35°	888.4	885.5	887.5	888.4	889.4
37.5°	852.0	851.0	855.9	853.0	856.9
40°	816.5	814.6	817.5	815.5	818.5
42.5°	779.1	775.2	778.1	780.1	781.1
45°	738.7	736.8	741.7	742.7	741.7
47.5°	698.3	695.4	698.3	701.3	701.3
50°	656.0	652.0	652.0	655.0	657.0
52.5°	609.7	605.8	607.7	610.7	611.7
55°	562.4	562.4	563.4	560.4	568.3
57.5°	513.2	509.2	513.2	511.2	515.1
60°	465.9	462.9	463.9	460.0	469.8
62.5°	413.7	410.7	409.7	408.8	417.6
65°	361.5	356.6	357.5	355.6	363.5
67.5°	311.2	306.3	304.4	304.4	310.3
70°	260.0	252.2	252.2	250.2	259.0
72.5°	208.8	202.9	199.9	201.9	208.8
75°	159.6	154.6	152.7	154.6	158.6
77.5°	113.3	111.3	108.3	110.3	114.3
80°	73.9	71.9	68.9	71.9	73.9
82.5°	40.4	39.4	37.4	39.4	39.4
85°	16.7	16.7	14.8	15.8	15.8
87.5°	4.9	3.9	3.9	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997426

CATALOG NUMBER: FSP-24-L3C3-CP375-3000K-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	13.61	15.21	13.97	15.53	15.84	13.63	15.24	13.99	15.55	15.86
	3H	15.14	16.59	15.52	16.92	17.28	15.14	16.59	15.52	16.92	17.28
	4H	15.61	16.96	16.00	17.31	17.69	15.60	16.96	16.00	17.31	17.69
	6H	15.84	17.10	16.25	17.46	17.85	15.84	17.10	16.25	17.46	17.85
	8H	15.87	17.07	16.30	17.46	17.86	15.87	17.07	16.29	17.46	17.86
	12H	15.87	17.02	16.30	17.40	17.83	15.87	17.01	16.30	17.39	17.82
4H	2H	14.17	15.53	14.57	15.88	16.25	14.19	15.55	14.59	15.90	16.27
	3H	15.88	17.01	16.29	17.41	17.81	15.88	17.01	16.29	17.41	17.81
	4H	16.43	17.45	16.86	17.86	18.30	16.43	17.44	16.86	17.86	18.30
	6H	16.74	17.63	17.20	18.07	18.53	16.74	17.63	17.19	18.07	18.52
	8H	16.79	17.62	17.25	18.06	18.53	16.79	17.61	17.25	18.06	18.52
	12H	16.80	17.54	17.28	18.02	18.49	16.79	17.54	17.28	18.01	18.48
8H	4H	16.61	17.44	17.07	17.88	18.35	16.61	17.43	17.07	17.88	18.34
	6H	16.98	17.66	17.47	18.15	18.62	16.97	17.66	17.47	18.14	18.62
	8H	17.05	17.66	17.56	18.17	18.65	17.04	17.65	17.55	18.16	18.65
	12H	17.08	17.62	17.58	18.11	18.67	17.07	17.61	17.58	18.10	18.66
12H	4H	16.61	17.35	17.09	17.83	18.30	16.61	17.35	17.09	17.82	18.29
	6H	16.97	17.58	17.48	18.09	18.58	16.97	17.58	17.48	18.09	18.57
	8H	17.07	17.61	17.58	18.10	18.67	17.07	17.61	17.58	18.10	18.66