

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: P997432

Luminaire Tested: FSP-24-L3C3-CP375-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997432
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-CP375-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

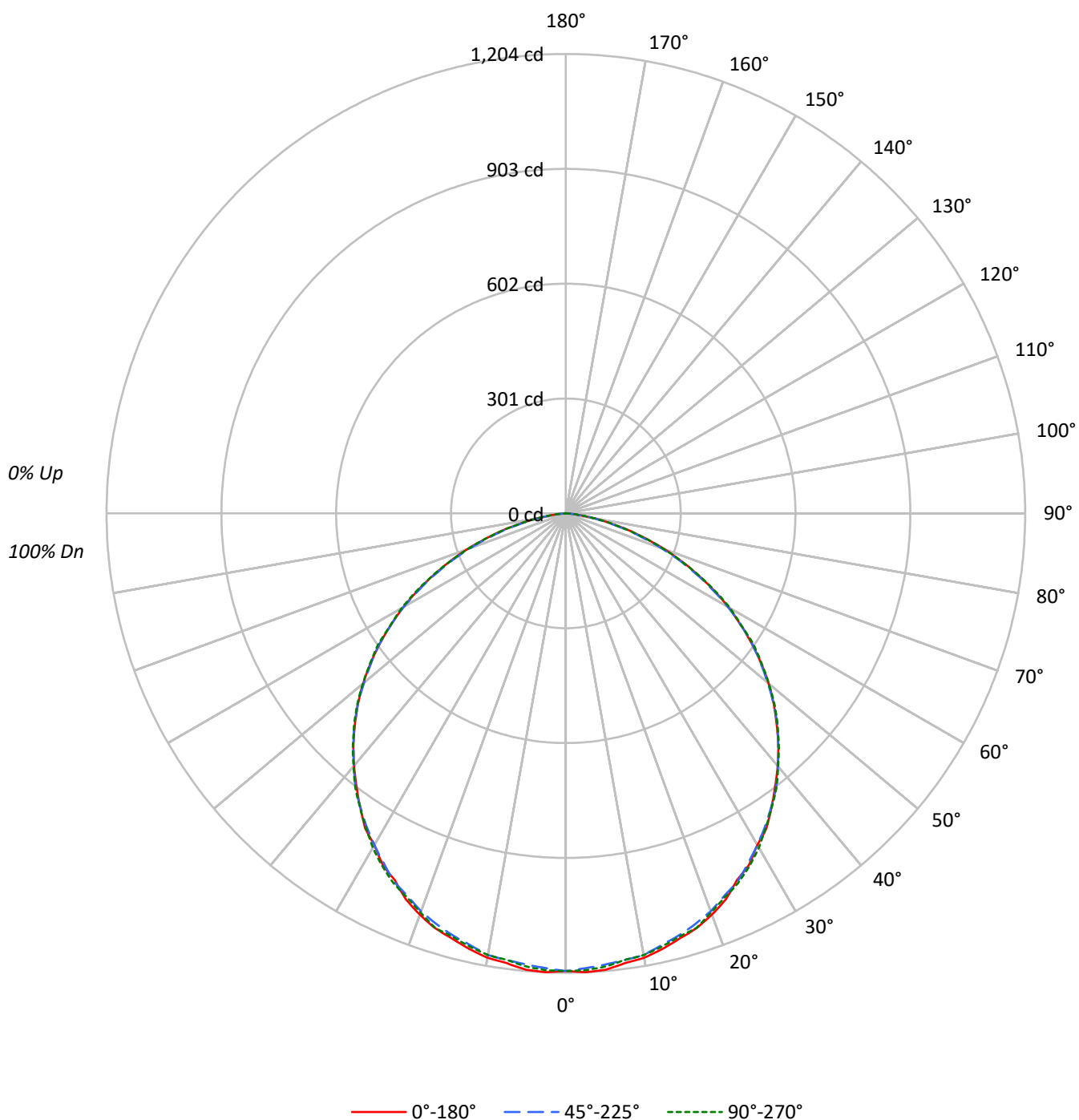
Lumens per Lamp: N/A
Luminaire Lumens: 3227.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

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: P997432

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-LOW

Luminous Intensity Polar Plot



TEST NUMBER: P997432

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-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°	1868	1868	1868
5°	1877	1856	1864
10°	1871	1859	1859
15°	1860	1847	1852
20°	1855	1840	1845
25°	1823	1830	1838
30°	1805	1805	1820
35°	1787	1786	1789
40°	1757	1759	1761
45°	1722	1729	1729
50°	1682	1672	1684
55°	1616	1619	1633
60°	1536	1529	1549
65°	1410	1394	1417
70°	1253	1215	1248
75°	1016	972	1010
80°	701	654	701
85°	316	279	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1731 cd/sqm

TEST NUMBER: P997432

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.5
10°-20°	324.5	10.1
20°-30°	490.0	15.2
30°-40°	587.4	18.2
40°-50°	603.0	18.7
50°-60°	530.4	16.4
60°-70°	375.2	11.6
70°-80°	176.1	5.5
80°-90°	27.2	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°	927.8	28.8
0°-40°	1515.1	47.0
0°-60°	2648.5	82.1
0°-90°	3227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1200	1197	1187	1192	1192	114
15°	1154	1150	1145	1146	1148	326
25°	1061	1061	1065	1062	1069	491
35°	940	937	939	940	941	588
45°	782	780	785	786	785	603
55°	595	595	596	593	601	531
65°	382	377	378	376	384	379
75°	169	164	162	164	168	181
85°	18	18	16	17	17	28
90°	0	0	0	0	0	

TEST NUMBER: P997432

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.5	1199.5	1199.5	1199.5	1199.5
2.5°	1203.7	1201.6	1193.2	1195.3	1198.4
5°	1200.5	1197.4	1187.0	1192.2	1192.2
7.5°	1189.1	1185.9	1180.7	1183.9	1180.7
10°	1182.8	1181.8	1175.5	1174.5	1175.5
12.5°	1169.3	1166.1	1158.8	1164.1	1163.0
15°	1153.6	1150.5	1145.3	1146.3	1148.4
17.5°	1140.1	1138.0	1128.6	1131.7	1139.0
20°	1119.2	1111.9	1109.9	1110.9	1113.0
22.5°	1095.3	1090.1	1084.8	1086.9	1089.0
25°	1060.9	1060.9	1065.0	1061.9	1069.2
27.5°	1039.0	1036.9	1033.8	1033.8	1042.1
30°	1003.6	1003.6	1003.6	1006.7	1011.9
32.5°	978.6	974.4	972.3	973.3	975.4
35°	940.0	936.9	939.0	940.0	941.0
37.5°	901.4	900.4	905.6	902.5	906.6
40°	863.9	861.8	865.0	862.9	866.0
42.5°	824.3	820.2	823.3	825.4	826.4
45°	781.6	779.5	784.7	785.8	784.7
47.5°	738.9	735.7	738.9	742.0	742.0
50°	694.1	689.9	689.9	693.0	695.1
52.5°	645.1	640.9	643.0	646.1	647.2
55°	595.1	595.1	596.1	593.0	601.3
57.5°	542.9	538.8	542.9	540.9	545.0
60°	492.9	489.8	490.8	486.7	497.1
62.5°	437.7	434.6	433.5	432.5	441.9
65°	382.5	377.2	378.3	376.2	384.5
67.5°	329.3	324.1	322.0	322.0	328.3
70°	275.1	266.8	266.8	264.7	274.1
72.5°	220.9	214.7	211.6	213.6	220.9
75°	168.8	163.6	161.5	163.6	167.8
77.5°	119.8	117.8	114.6	116.7	120.9
80°	78.2	76.1	72.9	76.1	78.2
82.5°	42.7	41.7	39.6	41.7	41.7
85°	17.7	17.7	15.6	16.7	16.7
87.5°	5.2	4.2	4.2	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997432

CATALOG NUMBER: FSP-24-L3C3-CP375-4000K-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	13.80	15.41	14.17	15.72	16.04	13.83	15.43	14.19	15.75	16.06
	3H	15.34	16.79	15.72	17.11	17.47	15.34	16.79	15.72	17.11	17.47
	4H	15.80	17.16	16.20	17.51	17.88	15.80	17.16	16.20	17.51	17.88
	6H	16.03	17.29	16.45	17.66	18.05	16.03	17.29	16.45	17.66	18.05
	8H	16.07	17.27	16.49	17.65	18.05	16.06	17.26	16.49	17.65	18.05
	12H	16.06	17.21	16.49	17.59	18.02	16.06	17.21	16.49	17.59	18.02
4H	2H	14.37	15.73	14.76	16.07	16.45	14.38	15.74	14.78	16.09	16.47
	3H	16.08	17.21	16.49	17.61	18.01	16.07	17.21	16.48	17.60	18.00
	4H	16.63	17.65	17.06	18.06	18.50	16.62	17.64	17.05	18.05	18.49
	6H	16.94	17.83	17.39	18.27	18.72	16.94	17.82	17.39	18.26	18.72
	8H	16.99	17.81	17.45	18.26	18.72	16.98	17.81	17.44	18.25	18.72
	12H	17.00	17.74	17.48	18.22	18.69	16.99	17.73	17.47	18.21	18.68
8H	4H	16.81	17.64	17.27	18.08	18.54	16.80	17.63	17.26	18.07	18.54
	6H	17.17	17.86	17.67	18.34	18.82	17.17	17.85	17.66	18.34	18.82
	8H	17.24	17.85	17.75	18.36	18.85	17.24	17.85	17.75	18.36	18.84
	12H	17.27	17.81	17.78	18.30	18.87	17.26	17.80	17.77	18.30	18.86
12H	4H	16.81	17.55	17.29	18.02	18.49	16.80	17.54	17.28	18.02	18.49
	6H	17.17	17.78	17.68	18.29	18.77	17.16	17.78	17.67	18.28	18.77
	8H	17.27	17.81	17.78	18.30	18.86	17.26	17.80	17.77	18.29	18.86