

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: P997427

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997427
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

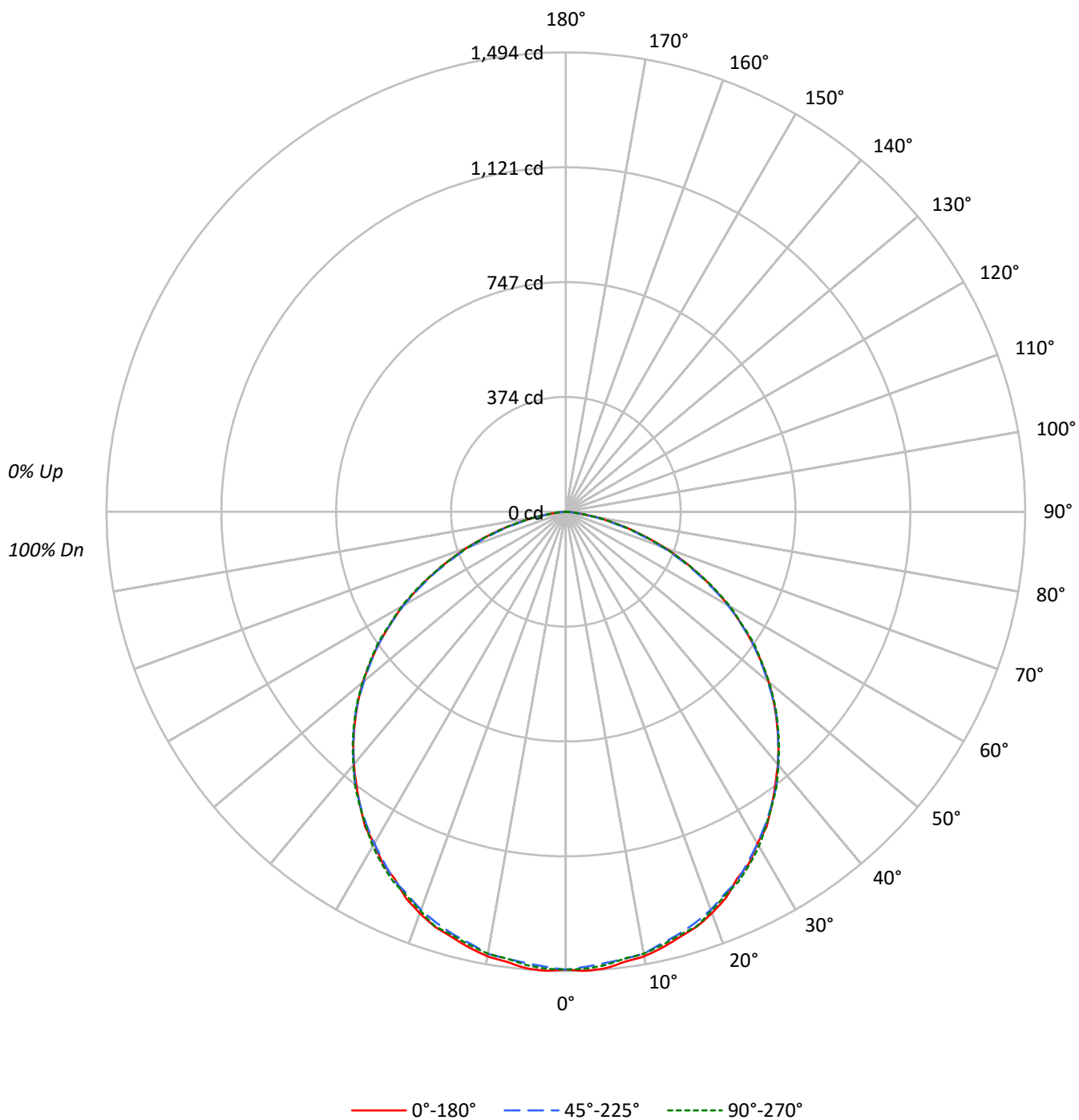
Lumens per Lamp: N/A
Luminaire Lumens: 4006.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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: P997427

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

Luminous Intensity Polar Plot



TEST NUMBER: P997427

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

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°	2319	2319	2319
5°	2330	2304	2314
10°	2322	2308	2308
15°	2309	2293	2299
20°	2303	2284	2290
25°	2264	2272	2281
30°	2241	2241	2259
35°	2219	2216	2221
40°	2181	2183	2186
45°	2137	2146	2146
50°	2088	2075	2091
55°	2006	2010	2027
60°	1906	1898	1923
65°	1750	1731	1760
70°	1555	1508	1549
75°	1261	1207	1254
80°	870	813	870
85°	393	347	370

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2149 cd/sqm

TEST NUMBER: P997427

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.5
10°-20°	402.8	10.1
20°-30°	608.3	15.2
30°-40°	729.1	18.2
40°-50°	748.6	18.7
50°-60°	658.4	16.4
60°-70°	465.8	11.6
70°-80°	218.7	5.5
80°-90°	33.7	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°	1151.8	28.8
0°-40°	1880.9	47.0
0°-60°	3287.9	82.1
0°-90°	4006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1489	1489	1489	1489	1489	
5°	1490	1486	1474	1480	1480	141
15°	1432	1428	1422	1423	1426	405
25°	1317	1317	1322	1318	1327	610
35°	1167	1163	1166	1167	1168	730
45°	970	968	974	975	974	749
55°	739	739	740	736	746	660
65°	475	468	470	467	477	471
75°	210	203	200	203	208	224
85°	22	22	19	21	21	35
90°	0	0	0	0	0	

TEST NUMBER: P997427

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1489.0	1489.0	1489.0	1489.0	1489.0
2.5°	1494.2	1491.6	1481.3	1483.9	1487.7
5°	1490.3	1486.5	1473.5	1480.0	1480.0
7.5°	1476.1	1472.2	1465.8	1469.6	1465.8
10°	1468.3	1467.0	1459.3	1458.0	1459.3
12.5°	1451.5	1447.6	1438.6	1445.1	1443.8
15°	1432.1	1428.2	1421.8	1423.1	1425.6
17.5°	1415.3	1412.7	1401.1	1404.9	1414.0
20°	1389.4	1380.4	1377.8	1379.1	1381.7
22.5°	1359.7	1353.2	1346.7	1349.3	1351.9
25°	1317.0	1317.0	1322.2	1318.3	1327.3
27.5°	1289.8	1287.2	1283.3	1283.3	1293.7
30°	1245.8	1245.8	1245.8	1249.7	1256.2
32.5°	1214.8	1209.6	1207.0	1208.3	1210.9
35°	1166.9	1163.0	1165.6	1166.9	1168.2
37.5°	1119.0	1117.7	1124.2	1120.3	1125.5
40°	1072.5	1069.9	1073.8	1071.2	1075.1
42.5°	1023.3	1018.1	1022.0	1024.6	1025.9
45°	970.3	967.7	974.1	975.4	974.1
47.5°	917.2	913.3	917.2	921.1	921.1
50°	861.6	856.4	856.4	860.3	862.9
52.5°	800.8	795.6	798.2	802.1	803.4
55°	738.7	738.7	740.0	736.1	746.5
57.5°	674.0	668.8	674.0	671.4	676.6
60°	611.9	608.0	609.3	604.2	617.1
62.5°	543.4	539.5	538.2	536.9	548.5
65°	474.8	468.3	469.6	467.0	477.4
67.5°	408.8	402.3	399.8	399.8	407.5
70°	341.5	331.2	331.2	328.6	340.2
72.5°	274.3	266.5	262.6	265.2	274.3
75°	209.6	203.1	200.5	203.1	208.3
77.5°	148.8	146.2	142.3	144.9	150.1
80°	97.0	94.4	90.6	94.4	97.0
82.5°	53.0	51.7	49.2	51.7	51.7
85°	22.0	22.0	19.4	20.7	20.7
87.5°	6.5	5.2	5.2	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997427

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

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	14.55	16.16	14.92	16.47	16.79	14.58	16.18	14.94	16.50	16.81
	3H	16.09	17.54	16.47	17.86	18.22	16.09	17.54	16.47	17.86	18.22
	4H	16.55	17.91	16.95	18.26	18.64	16.55	17.91	16.95	18.26	18.63
	6H	16.79	18.04	17.20	18.41	18.80	16.79	18.04	17.20	18.41	18.80
	8H	16.82	18.02	17.24	18.41	18.80	16.82	18.01	17.24	18.40	18.80
	12H	16.82	17.96	17.25	18.35	18.77	16.81	17.96	17.24	18.34	18.77
4H	2H	15.12	16.48	15.52	16.82	17.20	15.14	16.49	15.53	16.84	17.22
	3H	16.83	17.96	17.24	18.36	18.76	16.82	17.96	17.23	18.35	18.75
	4H	17.38	18.40	17.81	18.81	19.25	17.37	18.39	17.80	18.81	19.24
	6H	17.69	18.58	18.15	19.02	19.48	17.69	18.57	18.14	19.01	19.47
	8H	17.74	18.57	18.20	19.01	19.47	17.73	18.56	18.19	19.00	19.47
	12H	17.75	18.49	18.23	18.97	19.44	17.74	18.48	18.22	18.96	19.43
8H	4H	17.56	18.39	18.02	18.83	19.30	17.55	18.38	18.02	18.83	19.29
	6H	17.92	18.61	18.42	19.10	19.57	17.92	18.60	18.41	19.09	19.57
	8H	17.99	18.61	18.50	19.11	19.60	17.99	18.60	18.50	19.11	19.59
	12H	18.02	18.56	18.53	19.05	19.62	18.02	18.55	18.52	19.05	19.61
12H	4H	17.56	18.30	18.04	18.78	19.25	17.55	18.30	18.03	18.77	19.24
	6H	17.92	18.53	18.43	19.04	19.53	17.91	18.53	18.43	19.04	19.52
	8H	18.02	18.56	18.53	19.05	19.61	18.01	18.55	18.52	19.05	19.61