

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: P997323

Luminaire Tested: FSP-14-L3C3-CP375-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-19)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP375-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

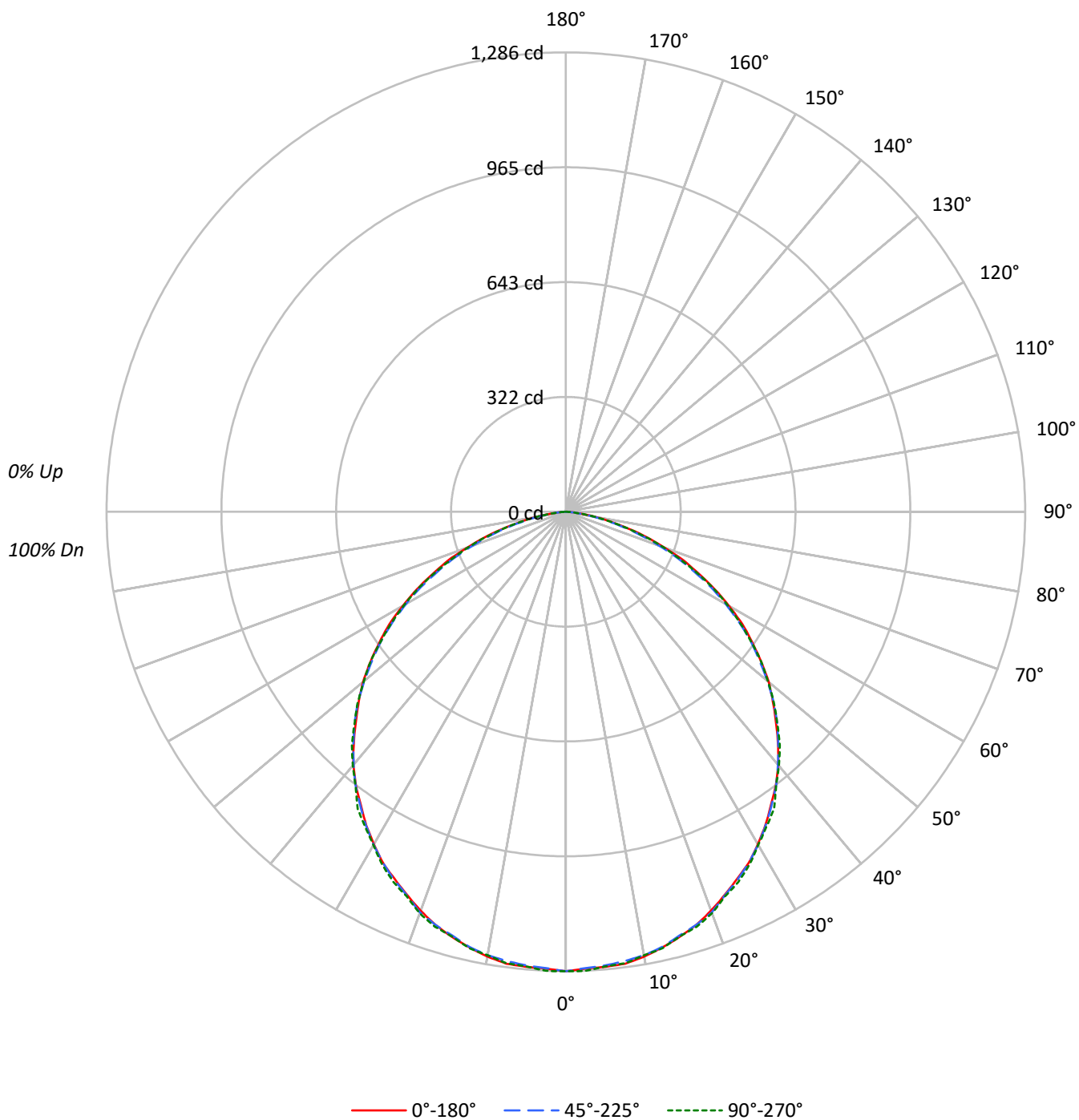
Lumens per Lamp: N/A
Luminaire Lumens: 3441.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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: P997323

CATALOG NUMBER: FSP-14-L3C3-CP375-4000K-HI

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	103	99	96	99	96	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	82	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	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4470	4470	4470
5°	4460	4446	4455
10°	4461	4448	4448
15°	4433	4419	4428
20°	4395	4413	4423
25°	4349	4359	4384
30°	4313	4318	4323
35°	4248	4259	4309
40°	4198	4192	4210
45°	4085	4111	4111
50°	4006	3979	3992
55°	3857	3826	3834
60°	3664	3592	3637
65°	3370	3254	3328
70°	2986	2815	2946
75°	2406	2266	2388
80°	1703	1547	1651
85°	718	670	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4111 cd/sqm

TEST NUMBER: P997323

CATALOG NUMBER: FSP-14-L3C3-CP375-4000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.5
10°-20°	348.0	10.1
20°-30°	524.8	15.3
30°-40°	628.4	18.3
40°-50°	643.6	18.7
50°-60°	563.5	16.4
60°-70°	396.8	11.5
70°-80°	185.8	5.4
80°-90°	28.5	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°	994.4	28.9
0°-40°	1622.9	47.2
0°-60°	2830.0	82.2
0°-90°	3441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1279	1280	1275	1284	1277	122
15°	1232	1234	1228	1237	1231	348
25°	1134	1139	1137	1143	1143	523
35°	1002	1002	1004	1008	1016	627
45°	831	830	836	836	836	643
55°	637	632	632	632	633	569
65°	410	402	396	394	405	408
75°	179	175	169	169	178	194
85°	18	18	17	17	19	30
90°	0	0	0	0	0	

TEST NUMBER: P997323

CATALOG NUMBER: FSP-14-L3C3-CP375-4000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1279.9	1286.3	1278.6	1286.3	1286.3
5°	1278.6	1279.9	1274.7	1283.8	1277.3
7.5°	1276.0	1274.7	1268.3	1276.0	1274.7
10°	1264.4	1264.4	1260.6	1265.7	1260.6
12.5°	1249.0	1250.2	1247.7	1252.8	1251.5
15°	1232.2	1233.5	1228.3	1237.3	1230.9
17.5°	1212.9	1212.9	1212.9	1215.4	1218.0
20°	1188.4	1189.7	1193.5	1196.1	1196.1
22.5°	1161.3	1161.3	1162.6	1166.5	1165.2
25°	1134.2	1139.4	1136.8	1143.3	1143.3
27.5°	1108.5	1109.7	1108.5	1113.6	1113.6
30°	1074.9	1071.1	1076.2	1080.1	1077.5
32.5°	1040.1	1036.3	1041.4	1046.6	1045.3
35°	1001.5	1001.5	1004.1	1007.9	1015.7
37.5°	965.4	962.8	966.7	969.3	966.7
40°	925.4	921.6	924.1	922.9	928.0
42.5°	879.0	879.0	880.3	881.6	886.8
45°	831.3	830.1	836.5	836.5	836.5
47.5°	786.2	787.5	788.8	790.1	790.1
50°	741.1	736.0	736.0	736.0	738.5
52.5°	689.6	684.4	683.1	681.8	689.6
55°	636.7	631.6	631.6	631.6	632.9
57.5°	586.5	576.1	574.9	571.0	577.4
60°	527.2	519.4	516.9	513.0	523.3
62.5°	470.5	462.7	457.6	455.0	466.6
65°	409.9	402.1	395.7	394.4	404.7
67.5°	358.3	344.1	339.0	337.7	345.4
70°	293.9	284.8	277.1	279.7	290.0
72.5°	239.7	229.4	223.0	223.0	233.3
75°	179.2	175.3	168.8	168.8	177.9
77.5°	128.9	125.0	118.6	121.2	126.3
80°	85.1	79.9	77.3	77.3	82.5
82.5°	47.7	43.8	42.5	42.5	45.1
85°	18.0	18.0	16.8	16.8	19.3
87.5°	3.9	3.9	3.9	2.6	3.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997323

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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	16.84	18.45	17.21	18.76	19.08	16.77	18.38	17.14	18.69	19.01
	3H	18.39	19.83	18.76	20.16	20.52	18.28	19.72	18.66	20.05	20.41
	4H	18.85	20.20	19.25	20.55	20.93	18.74	20.09	19.13	20.44	20.82
	6H	19.08	20.34	19.49	20.70	21.09	18.96	20.22	19.38	20.58	20.98
	8H	19.12	20.31	19.54	20.70	21.10	19.00	20.19	19.42	20.58	20.98
	12H	19.11	20.26	19.54	20.64	21.07	18.99	20.14	19.42	20.52	20.95
4H	2H	17.38	18.73	17.78	19.08	19.46	17.32	18.68	17.72	19.03	19.40
	3H	19.10	20.22	19.51	20.62	21.02	19.00	20.13	19.41	20.53	20.93
	4H	19.65	20.67	20.08	21.08	21.52	19.54	20.56	19.97	20.97	21.41
	6H	19.96	20.85	20.42	21.29	21.74	19.85	20.73	20.30	21.17	21.63
	8H	20.01	20.84	20.47	21.28	21.75	19.89	20.72	20.35	21.16	21.63
	12H	20.02	20.76	20.50	21.24	21.71	19.90	20.64	20.39	21.12	21.59
8H	4H	19.82	20.64	20.28	21.09	21.55	19.72	20.55	20.18	20.99	21.46
	6H	20.18	20.86	20.68	21.35	21.83	20.07	20.76	20.57	21.25	21.72
	8H	20.26	20.87	20.77	21.37	21.86	20.14	20.75	20.65	21.26	21.75
	12H	20.28	20.82	20.79	21.31	21.88	20.17	20.71	20.68	21.20	21.76
12H	4H	19.82	20.56	20.30	21.03	21.50	19.72	20.46	20.20	20.94	21.41
	6H	20.18	20.79	20.69	21.30	21.78	20.07	20.68	20.58	21.19	21.68
	8H	20.28	20.82	20.79	21.31	21.87	20.17	20.71	20.68	21.20	21.76