

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: P997309

Luminaire Tested: FSP-14-L3C3-CP250-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

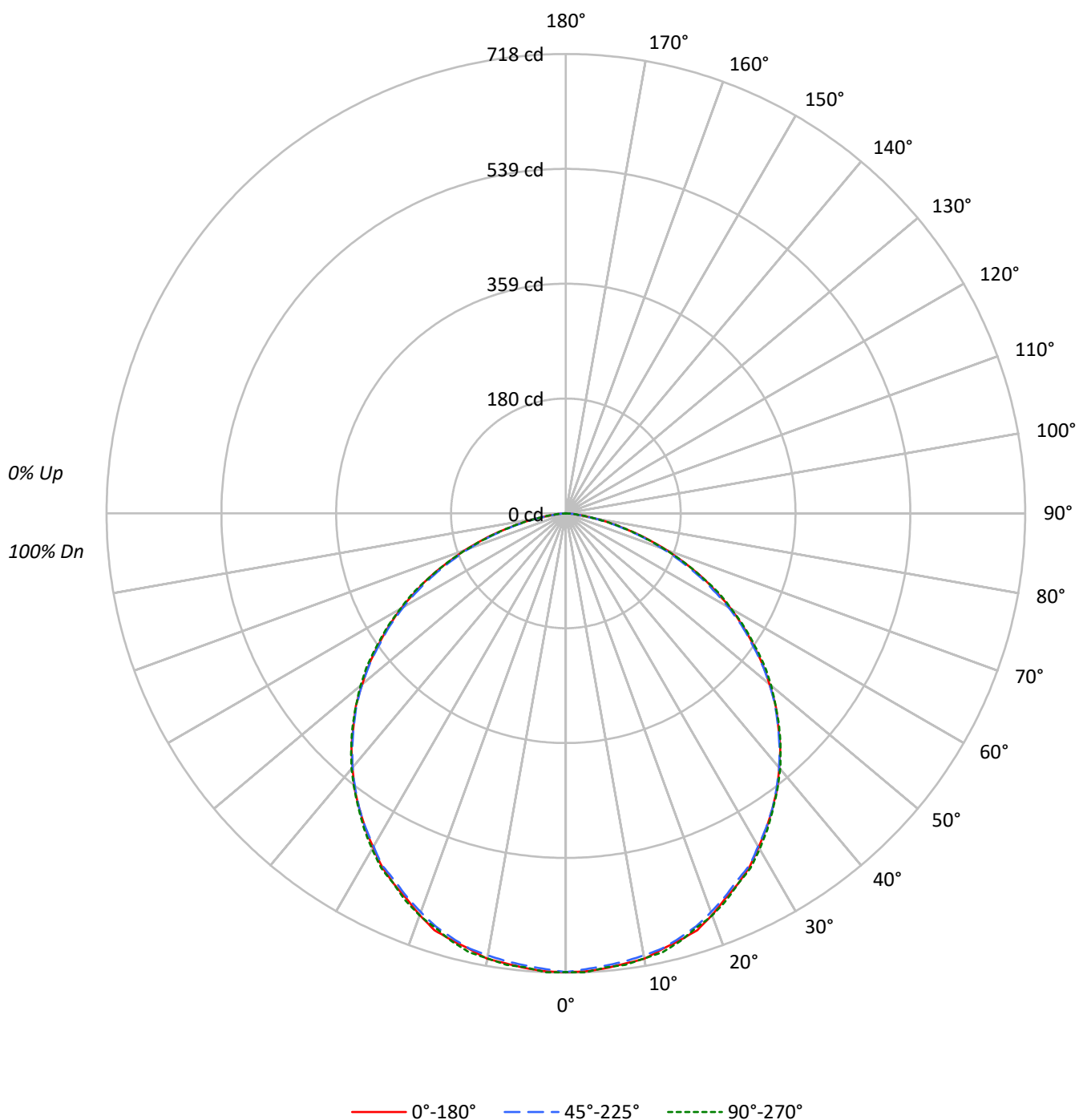
Lumens per Lamp: N/A
Luminaire Lumens: 1941.0 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
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: P997309

CATALOG NUMBER: FSP-14-L3C3-CP250-3000K-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	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2492	2492	2492
5°	2489	2475	2485
10°	2494	2475	2492
15°	2484	2472	2489
20°	2470	2452	2473
25°	2446	2428	2446
30°	2417	2412	2431
35°	2388	2388	2394
40°	2352	2352	2365
45°	2307	2304	2317
50°	2246	2246	2265
55°	2166	2149	2183
60°	2068	2039	2077
65°	1924	1868	1919
70°	1692	1636	1677
75°	1365	1310	1365
80°	943	914	943
85°	407	407	407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2320 cd/sqm

TEST NUMBER: P997309

CATALOG NUMBER: FSP-14-L3C3-CP250-3000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	3.5
10°-20°	194.3	10.0
20°-30°	293.4	15.1
30°-40°	352.3	18.1
40°-50°	362.3	18.7
50°-60°	319.6	16.5
60°-70°	227.5	11.7
70°-80°	107.4	5.5
80°-90°	16.5	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°	555.5	28.6
0°-40°	907.8	46.8
0°-60°	1589.6	81.9
0°-90°	1941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	717	717	717	717	717	
5°	714	713	710	715	712	68
15°	690	688	687	690	692	195
25°	638	634	633	637	638	294
35°	563	560	563	566	564	352
45°	469	468	469	472	472	362
55°	358	358	355	359	360	320
65°	234	231	227	231	233	230
75°	102	101	98	100	102	110
85°	10	11	10	10	10	17
90°	0	0	0	0	0	

TEST NUMBER: P997309

CATALOG NUMBER: FSP-14-L3C3-CP250-3000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.1	717.1	717.1	717.1	717.1
2.5°	716.4	715.1	713.0	715.8	717.8
5°	713.7	713.0	709.6	715.1	712.3
7.5°	709.6	711.0	706.2	709.6	711.7
10°	706.9	702.8	701.4	704.2	706.2
12.5°	697.3	697.3	696.7	697.3	702.1
15°	690.5	687.8	687.1	689.8	691.9
17.5°	683.0	677.5	676.9	678.9	678.9
20°	668.0	663.2	663.2	666.6	668.7
22.5°	651.6	650.9	648.9	655.0	655.0
25°	638.0	633.9	633.2	637.3	638.0
27.5°	622.3	618.9	620.9	620.9	625.0
30°	602.5	601.1	601.1	604.5	605.9
32.5°	583.4	582.0	582.7	584.7	586.1
35°	562.9	560.2	562.9	565.6	564.3
37.5°	542.4	541.1	541.1	543.1	543.1
40°	518.6	516.5	518.6	522.0	521.3
42.5°	496.0	493.3	494.0	497.4	496.7
45°	469.4	468.1	468.8	472.2	471.5
47.5°	444.9	442.8	443.5	443.5	444.9
50°	415.5	415.5	415.5	417.6	418.9
52.5°	387.6	386.9	386.2	389.6	391.7
55°	357.5	358.2	354.8	358.9	360.3
57.5°	328.2	328.2	325.5	327.5	330.9
60°	297.5	295.4	293.4	296.1	298.9
62.5°	264.7	263.4	260.0	262.0	269.5
65°	234.0	230.6	227.2	230.6	233.4
67.5°	199.9	197.2	193.1	196.5	199.9
70°	166.5	164.4	161.0	163.1	165.1
72.5°	134.4	131.0	128.3	131.0	132.4
75°	101.7	101.0	97.6	99.6	101.7
77.5°	73.0	71.6	69.6	73.0	73.0
80°	47.1	47.1	45.7	46.4	47.1
82.5°	26.6	25.2	24.6	25.9	25.2
85°	10.2	10.9	10.2	10.2	10.2
87.5°	2.0	1.4	2.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

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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	14.89	16.50	15.26	16.82	17.13	14.89	16.50	15.26	16.82	17.13
	3H	16.44	17.88	16.81	18.21	18.57	16.42	17.87	16.80	18.20	18.56
	4H	16.90	18.26	17.30	18.61	18.98	16.88	18.24	17.28	18.59	18.97
	6H	17.13	18.39	17.54	18.76	19.15	17.12	18.38	17.53	18.74	19.13
	8H	17.16	18.37	17.59	18.75	19.15	17.15	18.35	17.57	18.74	19.14
	12H	17.16	18.31	17.59	18.69	19.12	17.14	18.29	17.57	18.68	19.11
4H	2H	15.44	16.80	15.84	17.15	17.53	15.44	16.80	15.84	17.15	17.53
	3H	17.17	18.30	17.58	18.70	19.10	17.15	18.29	17.56	18.69	19.09
	4H	17.72	18.74	18.15	19.16	19.59	17.70	18.73	18.14	19.14	19.58
	6H	18.04	18.93	18.49	19.37	19.82	18.02	18.91	18.48	19.35	19.81
	8H	18.09	18.92	18.55	19.36	19.82	18.07	18.90	18.53	19.34	19.81
	12H	18.10	18.84	18.58	19.32	19.79	18.08	18.82	18.56	19.30	19.77
8H	4H	17.90	18.73	18.37	19.18	19.64	17.89	18.72	18.35	19.16	19.63
	6H	18.27	18.96	18.77	19.45	19.92	18.26	18.95	18.75	19.43	19.91
	8H	18.35	18.96	18.86	19.47	19.95	18.33	18.94	18.84	19.45	19.94
	12H	18.38	18.92	18.88	19.41	19.97	18.36	18.90	18.87	19.39	19.95
12H	4H	17.90	18.65	18.39	19.12	19.59	17.89	18.63	18.37	19.11	19.58
	6H	18.27	18.88	18.78	19.39	19.88	18.26	18.87	18.77	19.38	19.87
	8H	18.37	18.91	18.88	19.41	19.97	18.36	18.90	18.87	19.39	19.95