

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: P997321

Luminaire Tested: FSP-14-L3C3-CP375-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997321
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-CP375-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

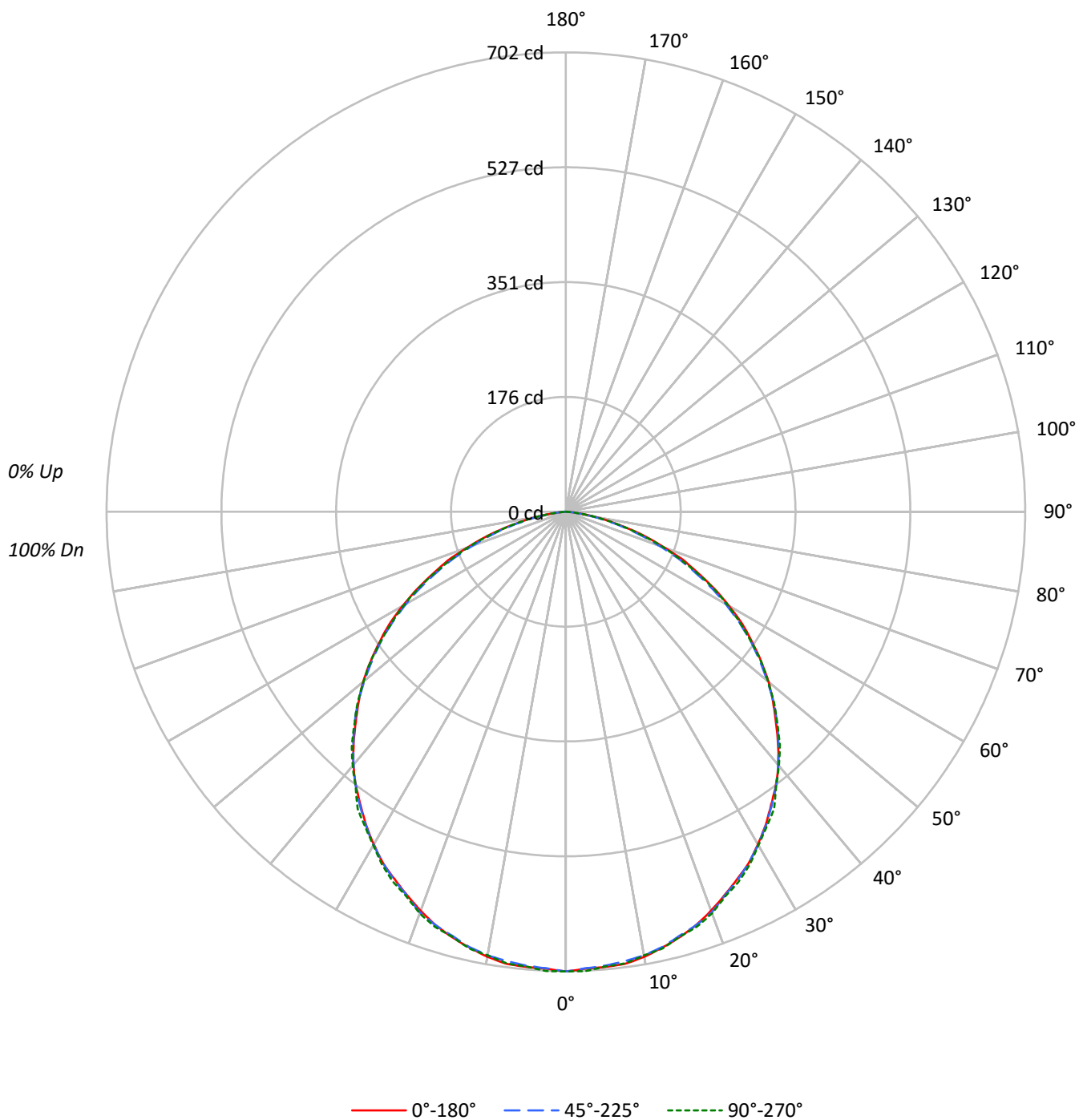
Lumens per Lamp: N/A
Luminaire Lumens: 1879.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	2441	2441	2441
5°	2435	2428	2433
10°	2436	2429	2429
15°	2421	2413	2418
20°	2400	2410	2415
25°	2375	2380	2394
30°	2355	2358	2361
35°	2320	2326	2353
40°	2292	2289	2299
45°	2231	2245	2245
50°	2188	2173	2180
55°	2106	2089	2094
60°	2001	1961	1986
65°	1840	1777	1817
70°	1631	1537	1609
75°	1313	1238	1304
80°	931	844	900
85°	395	363	423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.5
10°-20°	190.0	10.1
20°-30°	286.6	15.3
30°-40°	343.2	18.3
40°-50°	351.4	18.7
50°-60°	307.7	16.4
60°-70°	216.7	11.5
70°-80°	101.5	5.4
80°-90°	15.5	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°	543.0	28.9
0°-40°	886.2	47.2
0°-60°	1545.3	82.2
0°-90°	1879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	698	699	696	701	698	66
15°	673	674	671	676	672	190
25°	619	622	621	624	624	286
35°	547	547	548	550	555	343
45°	454	453	457	457	457	351
55°	348	345	345	345	346	311
65°	224	220	216	215	221	223
75°	98	96	92	92	97	106
85°	10	10	9	9	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.4	702.4	702.4	702.4	702.4
2.5°	698.9	702.4	698.2	702.4	702.4
5°	698.2	698.9	696.1	701.0	697.5
7.5°	696.8	696.1	692.6	696.8	696.1
10°	690.5	690.5	688.3	691.2	688.3
12.5°	682.0	682.7	681.3	684.1	683.4
15°	672.9	673.6	670.7	675.7	672.2
17.5°	662.3	662.3	662.3	663.7	665.1
20°	648.9	649.6	651.7	653.1	653.1
22.5°	634.1	634.1	634.8	637.0	636.3
25°	619.4	622.2	620.8	624.3	624.3
27.5°	605.3	606.0	605.3	608.1	608.1
30°	587.0	584.9	587.7	589.8	588.4
32.5°	568.0	565.9	568.7	571.5	570.8
35°	546.9	546.9	548.3	550.4	554.6
37.5°	527.2	525.8	527.9	529.3	527.9
40°	505.3	503.2	504.6	503.9	506.8
42.5°	480.0	480.0	480.7	481.4	484.2
45°	454.0	453.3	456.8	456.8	456.8
47.5°	429.3	430.0	430.7	431.4	431.4
50°	404.7	401.9	401.9	401.9	403.3
52.5°	376.5	373.7	373.0	372.3	376.5
55°	347.7	344.9	344.9	344.9	345.6
57.5°	320.2	314.6	313.9	311.8	315.3
60°	287.9	283.6	282.2	280.1	285.8
62.5°	256.9	252.7	249.9	248.4	254.8
65°	223.8	219.6	216.1	215.4	221.0
67.5°	195.7	187.9	185.1	184.4	188.6
70°	160.5	155.5	151.3	152.7	158.4
72.5°	130.9	125.3	121.8	121.8	127.4
75°	97.8	95.7	92.2	92.2	97.1
77.5°	70.4	68.3	64.8	66.2	69.0
80°	46.5	43.6	42.2	42.2	45.0
82.5°	26.0	23.9	23.2	23.2	24.6
85°	9.9	9.9	9.1	9.1	10.6
87.5°	2.1	2.1	2.1	1.4	2.1
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	14.74	16.35	15.11	16.66	16.97	14.67	16.28	15.04	16.59	16.90
	3H	16.28	17.73	16.66	18.05	18.41	16.18	17.62	16.56	17.95	18.31
	4H	16.74	18.10	17.14	18.45	18.83	16.63	17.99	17.03	18.34	18.71
	6H	16.98	18.23	17.39	18.60	18.99	16.86	18.12	17.27	18.48	18.87
	8H	17.01	18.21	17.44	18.60	19.00	16.89	18.09	17.32	18.48	18.88
	12H	17.01	18.16	17.44	18.54	18.97	16.89	18.04	17.32	18.42	18.85
4H	2H	15.28	16.63	15.68	16.98	17.36	15.22	16.58	15.62	16.92	17.30
	3H	16.99	18.12	17.40	18.52	18.92	16.90	18.03	17.31	18.43	18.83
	4H	17.55	18.56	17.98	18.98	19.41	17.44	18.46	17.87	18.87	19.31
	6H	17.86	18.74	18.32	19.19	19.64	17.74	18.63	18.20	19.07	19.53
	8H	17.91	18.74	18.37	19.18	19.65	17.79	18.62	18.25	19.06	19.53
	12H	17.92	18.66	18.40	19.14	19.61	17.80	18.54	18.28	19.02	19.49
8H	4H	17.72	18.54	18.18	18.99	19.45	17.62	18.44	18.08	18.89	19.35
	6H	18.08	18.76	18.58	19.25	19.73	17.97	18.65	18.47	19.14	19.62
	8H	18.15	18.76	18.66	19.27	19.76	18.04	18.65	18.55	19.16	19.65
	12H	18.18	18.72	18.69	19.21	19.77	18.07	18.61	18.58	19.10	19.66
12H	4H	17.71	18.45	18.20	18.93	19.40	17.62	18.36	18.10	18.83	19.30
	6H	18.07	18.69	18.59	19.19	19.68	17.97	18.58	18.48	19.09	19.57
	8H	18.18	18.72	18.69	19.21	19.77	18.07	18.60	18.57	19.10	19.66