

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: P997291

Luminaire Tested: FSP-14-L3C3-CP125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

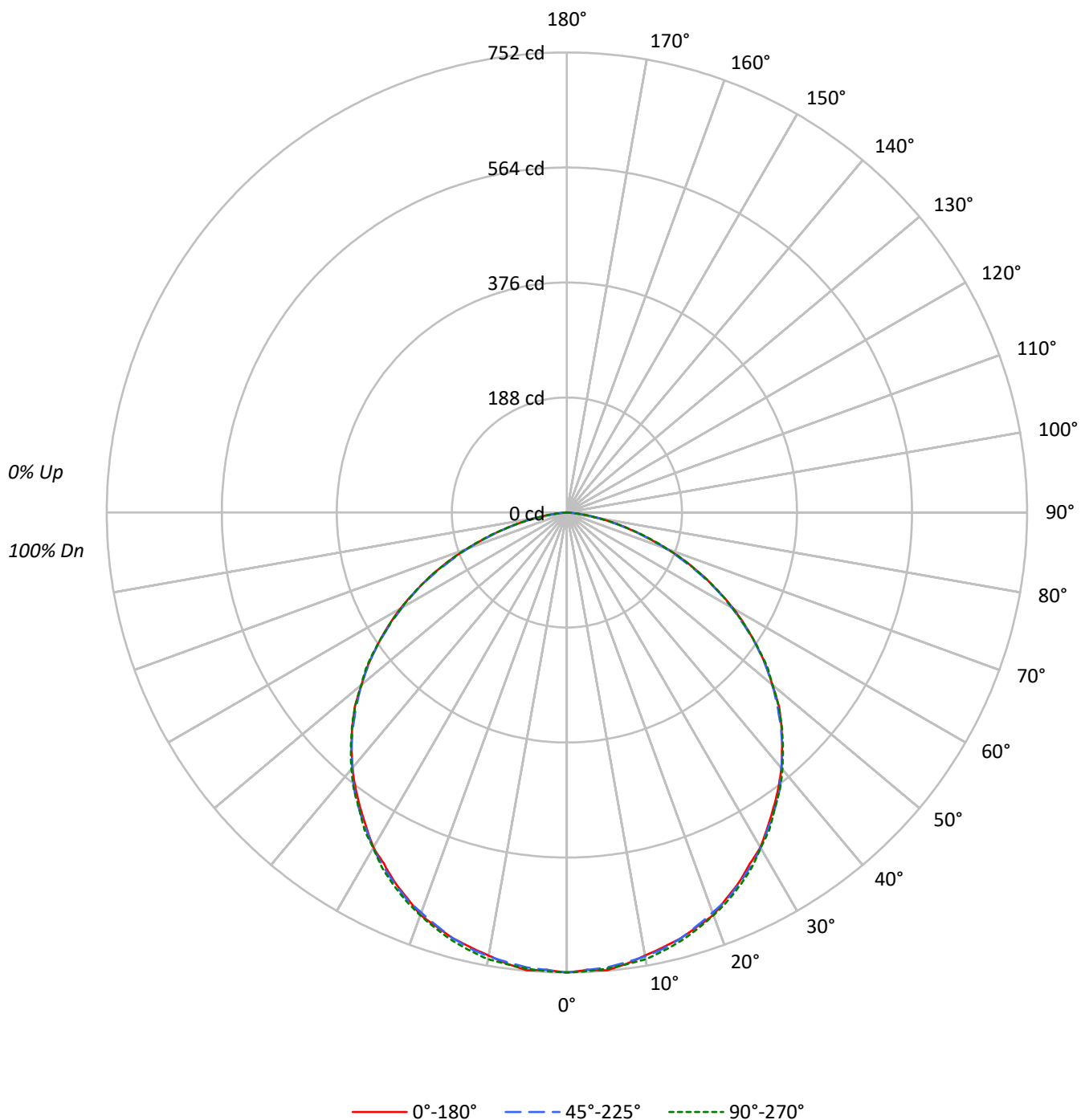
Lumens per Lamp: N/A
Luminaire Lumens: 2043.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	98	95	93		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	55		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	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°	2612	2612	2612
5°	2620	2604	2611
10°	2595	2600	2617
15°	2592	2592	2606
20°	2589	2573	2591
25°	2555	2561	2574
30°	2537	2540	2540
35°	2498	2512	2509
40°	2473	2473	2485
45°	2437	2427	2441
50°	2368	2368	2372
55°	2290	2286	2294
60°	2186	2162	2172
65°	2019	1991	2019
70°	1768	1746	1788
75°	1447	1429	1466
80°	1025	997	1025
85°	490	462	462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.5
10°-20°	203.6	10.0
20°-30°	308.0	15.1
30°-40°	370.0	18.1
40°-50°	381.1	18.7
50°-60°	336.6	16.5
60°-70°	239.9	11.7
70°-80°	114.4	5.6
80°-90°	18.3	0.9
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°	582.7	28.5
0°-40°	952.7	46.6
0°-60°	1670.4	81.8
0°-90°	2043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	751	748	746	748	748	71
15°	720	720	720	721	724	203
25°	666	665	668	671	671	307
35°	589	591	592	594	592	369
45°	496	494	494	496	497	382
55°	378	378	377	375	379	338
65°	246	244	242	240	246	242
75°	108	107	106	105	109	115
85°	12	12	12	12	12	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	751.8	751.8	751.8	751.8	751.8
2.5°	748.4	749.1	748.4	751.1	750.5
5°	751.1	748.4	746.4	748.4	748.4
7.5°	744.3	742.3	741.6	745.7	745.0
10°	735.4	740.2	736.8	739.5	741.6
12.5°	727.9	731.4	730.0	736.8	733.4
15°	720.4	720.4	720.4	721.1	724.5
17.5°	709.5	708.8	708.2	710.9	712.9
20°	700.0	694.5	695.9	700.0	700.7
22.5°	682.2	685.0	684.3	687.0	687.0
25°	666.5	665.2	667.9	671.3	671.3
27.5°	647.4	649.5	651.5	652.9	654.3
30°	632.4	629.7	633.1	633.8	633.1
32.5°	609.9	609.2	612.0	615.4	615.4
35°	588.8	590.8	592.2	593.5	591.5
37.5°	567.6	566.9	571.0	570.3	571.7
40°	545.1	544.4	545.1	546.5	547.8
42.5°	520.5	518.5	521.2	521.9	522.6
45°	496.0	493.9	493.9	496.0	496.7
47.5°	470.1	466.0	466.0	466.6	469.4
50°	438.0	437.3	438.0	436.6	438.7
52.5°	409.3	408.7	408.7	407.3	412.1
55°	378.0	378.0	377.3	375.2	378.6
57.5°	346.6	345.9	343.8	343.8	345.9
60°	314.5	312.5	311.1	309.1	312.5
62.5°	279.0	279.0	278.3	274.3	279.7
65°	245.6	243.6	242.2	239.5	245.6
67.5°	210.8	208.8	206.0	205.4	210.8
70°	174.0	174.7	171.9	169.9	176.0
72.5°	139.2	141.9	137.8	137.1	141.9
75°	107.8	107.1	106.4	105.1	109.2
77.5°	77.8	77.1	76.4	75.0	79.1
80°	51.2	51.2	49.8	49.1	51.2
82.5°	28.7	28.0	27.3	28.0	29.3
85°	12.3	11.6	11.6	11.6	11.6
87.5°	2.7	2.7	2.0	2.0	2.0
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	15.08	16.69	15.45	17.01	17.32	15.04	16.65	15.41	16.97	17.28
	3H	16.63	18.08	17.00	18.40	18.77	16.58	18.03	16.96	18.36	18.72
	4H	17.09	18.45	17.49	18.80	19.18	17.05	18.42	17.45	18.76	19.14
	6H	17.33	18.60	17.75	18.96	19.35	17.30	18.56	17.71	18.93	19.32
	8H	17.37	18.57	17.80	18.96	19.36	17.34	18.54	17.76	18.93	19.33
	12H	17.37	18.53	17.80	18.91	19.34	17.34	18.49	17.77	18.87	19.30
4H	2H	15.65	17.01	16.04	17.36	17.73	15.61	16.98	16.01	17.33	17.70
	3H	17.38	18.51	17.79	18.91	19.31	17.33	18.46	17.74	18.86	19.26
	4H	17.94	18.96	18.37	19.37	19.81	17.89	18.91	18.32	19.32	19.76
	6H	18.26	19.15	18.72	19.59	20.05	18.21	19.10	18.67	19.54	20.00
	8H	18.32	19.15	18.78	19.59	20.06	18.27	19.10	18.73	19.54	20.01
	12H	18.33	19.08	18.81	19.55	20.02	18.28	19.03	18.76	19.50	19.97
8H	4H	18.13	18.96	18.59	19.40	19.87	18.08	18.91	18.54	19.36	19.82
	6H	18.51	19.20	19.01	19.69	20.16	18.46	19.15	18.96	19.64	20.11
	8H	18.59	19.20	19.10	19.71	20.20	18.54	19.16	19.05	19.66	20.15
	12H	18.63	19.17	19.13	19.66	20.22	18.58	19.12	19.09	19.61	20.17
12H	4H	18.13	18.87	18.61	19.35	19.82	18.08	18.83	18.57	19.31	19.78
	6H	18.51	19.13	19.02	19.63	20.12	18.46	19.08	18.97	19.59	20.07
	8H	18.62	19.16	19.13	19.65	20.22	18.57	19.12	19.08	19.61	20.17