

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: P997303

Luminaire Tested: FSP-14-L3C3-CP187-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP187-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

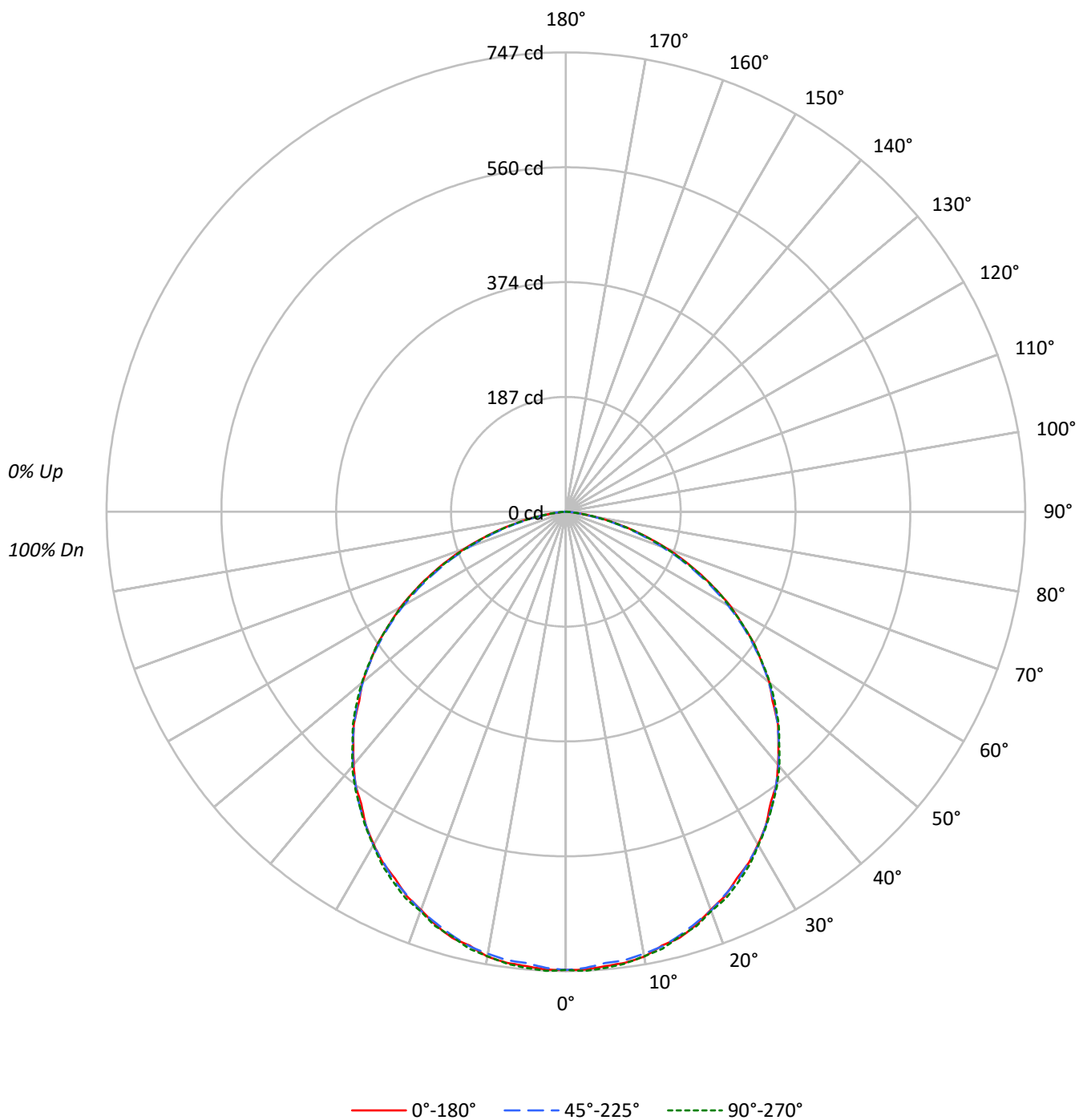
Lumens per Lamp: N/A
Luminaire Lumens: 2017.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

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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		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	59	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	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°	2589	2589	2589
5°	2587	2570	2597
10°	2592	2575	2590
15°	2579	2567	2572
20°	2547	2552	2555
25°	2522	2536	2547
30°	2507	2513	2513
35°	2460	2480	2480
40°	2435	2442	2451
45°	2396	2393	2406
50°	2335	2328	2343
55°	2263	2238	2259
60°	2156	2118	2142
65°	1996	1932	1978
70°	1780	1688	1744
75°	1446	1360	1426
80°	1001	929	987
85°	478	423	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.5
10°-20°	201.6	10.0
20°-30°	304.7	15.1
30°-40°	365.7	18.1
40°-50°	376.3	18.7
50°-60°	331.8	16.4
60°-70°	236.6	11.7
70°-80°	112.4	5.6
80°-90°	17.5	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°	576.8	28.6
0°-40°	942.6	46.7
0°-60°	1650.6	81.8
0°-90°	2017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	742	742	737	742	744	71
15°	717	714	714	716	715	202
25°	658	660	661	663	664	304
35°	580	584	585	588	585	364
45°	488	490	487	490	490	374
55°	374	374	369	372	373	332
65°	243	241	235	238	241	240
75°	108	107	101	103	106	116
85°	12	11	11	11	11	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.1	745.1	745.1	745.1	745.1
2.5°	745.1	743.7	742.3	744.4	747.2
5°	741.6	741.6	736.7	742.3	744.4
7.5°	739.5	735.3	735.3	738.1	740.9
10°	734.6	730.4	729.7	732.5	733.9
12.5°	722.6	722.6	724.0	724.7	727.5
15°	717.0	714.2	713.5	715.6	714.9
17.5°	704.3	702.2	701.5	705.7	706.4
20°	688.8	689.5	690.2	691.0	691.0
22.5°	676.2	676.9	674.8	681.8	680.4
25°	657.9	660.0	661.4	662.8	664.2
27.5°	643.8	642.4	642.4	645.2	647.3
30°	624.8	624.1	626.2	627.6	626.2
32.5°	605.1	605.8	605.1	607.2	606.5
35°	579.8	584.0	584.7	587.5	584.7
37.5°	561.5	561.5	561.5	563.6	563.6
40°	536.9	539.0	538.3	542.5	540.4
42.5°	511.5	513.6	512.9	517.9	513.6
45°	487.6	489.7	486.9	489.7	489.7
47.5°	455.9	459.5	458.8	463.7	461.6
50°	432.0	434.8	430.6	432.7	433.4
52.5°	401.1	403.9	401.1	402.5	402.5
55°	373.6	373.6	369.4	371.5	372.9
57.5°	339.8	342.0	337.7	339.1	340.6
60°	310.3	309.6	304.7	305.4	308.2
62.5°	276.5	275.8	270.9	271.6	275.8
65°	242.7	241.3	235.0	238.5	240.6
67.5°	209.0	208.3	201.9	202.6	205.5
70°	175.2	174.5	166.1	168.9	171.7
72.5°	140.7	140.0	133.7	135.8	139.3
75°	107.7	106.9	101.3	102.7	106.2
77.5°	78.1	76.0	72.5	74.6	76.7
80°	50.0	50.0	46.4	48.5	49.3
82.5°	27.4	27.4	26.0	26.7	27.4
85°	12.0	11.3	10.6	10.6	11.3
87.5°	2.1	2.1	2.1	2.1	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	15.04	16.65	15.41	16.97	17.28	14.99	16.60	15.36	16.92	17.23
	3H	16.61	18.06	16.99	18.39	18.75	16.52	17.97	16.90	18.30	18.66
	4H	17.09	18.45	17.48	18.80	19.17	16.98	18.35	17.38	18.69	19.07
	6H	17.33	18.59	17.74	18.95	19.35	17.23	18.49	17.64	18.85	19.24
	8H	17.36	18.56	17.79	18.95	19.35	17.26	18.46	17.68	18.85	19.25
	12H	17.36	18.51	17.79	18.89	19.32	17.26	18.41	17.69	18.79	19.22
4H	2H	15.58	16.94	15.98	17.29	17.67	15.54	16.90	15.94	17.25	17.63
	3H	17.34	18.48	17.75	18.87	19.27	17.25	18.39	17.66	18.78	19.19
	4H	17.91	18.93	18.34	19.35	19.78	17.81	18.83	18.24	19.24	19.68
	6H	18.24	19.13	18.69	19.57	20.02	18.13	19.02	18.58	19.46	19.92
	8H	18.29	19.12	18.75	19.56	20.03	18.18	19.01	18.64	19.45	19.92
	12H	18.30	19.04	18.78	19.52	19.99	18.19	18.93	18.67	19.41	19.88
8H	4H	18.09	18.92	18.55	19.36	19.83	17.99	18.82	18.46	19.27	19.73
	6H	18.47	19.15	18.96	19.64	20.12	18.37	19.06	18.86	19.54	20.02
	8H	18.54	19.16	19.05	19.67	20.15	18.44	19.06	18.95	19.57	20.05
	12H	18.58	19.12	19.08	19.61	20.17	18.47	19.02	18.98	19.51	20.07
12H	4H	18.09	18.83	18.57	19.31	19.78	18.00	18.74	18.48	19.22	19.69
	6H	18.46	19.08	18.98	19.59	20.07	18.37	18.98	18.88	19.49	19.98
	8H	18.57	19.11	19.08	19.60	20.17	18.47	19.01	18.98	19.51	20.07