

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: P997301

Luminaire Tested: FSP-14-L3C3-CP187-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997301
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-CP187-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

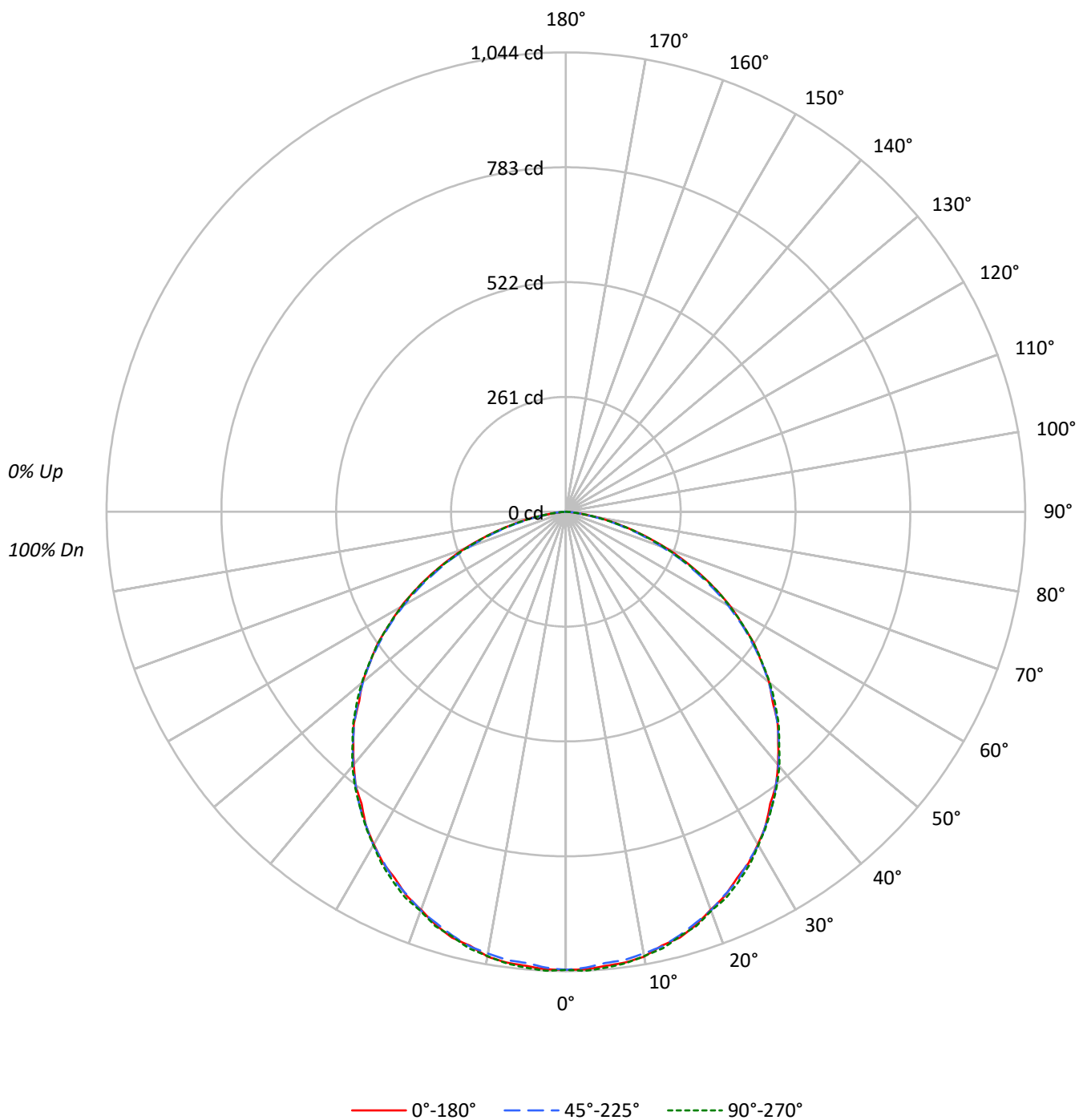
Lumens per Lamp: N/A
Luminaire Lumens: 2818.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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°	3617	3617	3617
5°	3614	3590	3628
10°	3621	3597	3618
15°	3604	3586	3593
20°	3559	3566	3570
25°	3524	3543	3558
30°	3502	3510	3510
35°	3436	3465	3465
40°	3403	3411	3425
45°	3348	3343	3362
50°	3263	3252	3274
55°	3162	3127	3156
60°	3013	2958	2993
65°	2788	2699	2764
70°	2487	2357	2437
75°	2019	1901	1992
80°	1397	1299	1377
85°	666	586	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.5
10°-20°	281.7	10.0
20°-30°	425.8	15.1
30°-40°	511.0	18.1
40°-50°	525.7	18.7
50°-60°	463.5	16.4
60°-70°	330.5	11.7
70°-80°	157.0	5.6
80°-90°	24.4	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°	805.9	28.6
0°-40°	1316.9	46.7
0°-60°	2306.1	81.8
0°-90°	2818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1041	1041	1041	1041	1041	
5°	1036	1036	1029	1037	1040	99
15°	1002	998	997	1000	999	282
25°	919	922	924	926	928	425
35°	810	816	817	821	817	509
45°	681	684	680	684	684	523
55°	522	522	516	519	521	464
65°	339	337	328	333	336	335
75°	150	149	142	144	148	162
85°	17	16	15	15	16	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1041.0	1041.0	1041.0	1041.0	1041.0
2.5°	1041.0	1039.1	1037.1	1040.1	1044.0
5°	1036.1	1036.1	1029.2	1037.1	1040.1
7.5°	1033.2	1027.3	1027.3	1031.2	1035.1
10°	1026.3	1020.4	1019.4	1023.3	1025.3
12.5°	1009.6	1009.6	1011.5	1012.5	1016.5
15°	1001.7	997.8	996.8	999.8	998.8
17.5°	984.0	981.1	980.1	986.0	987.0
20°	962.4	963.4	964.4	965.3	965.3
22.5°	944.7	945.7	942.7	952.6	950.6
25°	919.1	922.1	924.1	926.0	928.0
27.5°	899.5	897.5	897.5	901.4	904.4
30°	872.9	872.0	874.9	876.9	874.9
32.5°	845.4	846.4	845.4	848.4	847.4
35°	810.0	815.9	816.9	820.8	816.9
37.5°	784.5	784.5	784.5	787.4	787.4
40°	750.1	753.0	752.0	757.9	755.0
42.5°	714.7	717.6	716.6	723.5	717.6
45°	681.2	684.2	680.3	684.2	684.2
47.5°	637.0	641.9	640.9	647.8	644.9
50°	603.6	607.5	601.6	604.6	605.6
52.5°	560.3	564.3	560.3	562.3	562.3
55°	522.0	522.0	516.1	519.0	521.0
57.5°	474.8	477.8	471.9	473.8	475.8
60°	433.5	432.5	425.7	426.6	430.6
62.5°	386.3	385.4	378.5	379.5	385.4
65°	339.1	337.2	328.3	333.3	336.2
67.5°	292.0	291.0	282.1	283.1	287.0
70°	244.8	243.8	232.0	235.9	239.9
72.5°	196.6	195.6	186.8	189.7	194.6
75°	150.4	149.4	141.6	143.5	148.4
77.5°	109.1	106.2	101.3	104.2	107.2
80°	69.8	69.8	64.9	67.8	68.8
82.5°	38.3	38.3	36.4	37.4	38.3
85°	16.7	15.7	14.7	14.7	15.7
87.5°	2.9	2.9	2.9	2.9	2.9
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	16.20	17.81	16.57	18.13	18.44	16.15	17.76	16.52	18.08	18.39
	3H	17.77	19.22	18.15	19.55	19.91	17.68	19.13	18.06	19.46	19.82
	4H	18.25	19.61	18.65	19.96	20.33	18.15	19.51	18.54	19.86	20.23
	6H	18.49	19.75	18.90	20.12	20.51	18.39	19.65	18.80	20.01	20.40
	8H	18.52	19.73	18.95	20.11	20.51	18.42	19.62	18.85	20.01	20.41
	12H	18.52	19.67	18.95	20.06	20.48	18.42	19.57	18.85	19.95	20.38
4H	2H	16.74	18.11	17.14	18.45	18.83	16.70	18.07	17.10	18.41	18.79
	3H	18.50	19.64	18.91	20.04	20.44	18.41	19.55	18.82	19.95	20.35
	4H	19.07	20.09	19.50	20.51	20.95	18.97	19.99	19.40	20.40	20.84
	6H	19.40	20.29	19.85	20.73	21.19	19.29	20.18	19.74	20.62	21.08
	8H	19.45	20.28	19.91	20.72	21.19	19.34	20.17	19.80	20.61	21.08
	12H	19.46	20.21	19.94	20.68	21.15	19.35	20.10	19.83	20.57	21.04
8H	4H	19.25	20.08	19.71	20.52	20.99	19.16	19.99	19.62	20.43	20.90
	6H	19.63	20.32	20.13	20.81	21.28	19.53	20.22	20.03	20.71	21.18
	8H	19.71	20.32	20.22	20.83	21.31	19.61	20.22	20.12	20.73	21.21
	12H	19.74	20.28	20.25	20.77	21.33	19.64	20.18	20.14	20.67	21.23
12H	4H	19.25	19.99	19.73	20.47	20.94	19.16	19.90	19.64	20.38	20.85
	6H	19.63	20.24	20.14	20.75	21.24	19.53	20.14	20.04	20.65	21.14
	8H	19.73	20.27	20.24	20.77	21.33	19.64	20.18	20.14	20.67	21.23