

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: P997307

Luminaire Tested: FSP-14-L3C3-CP187-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997307
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-CP187-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

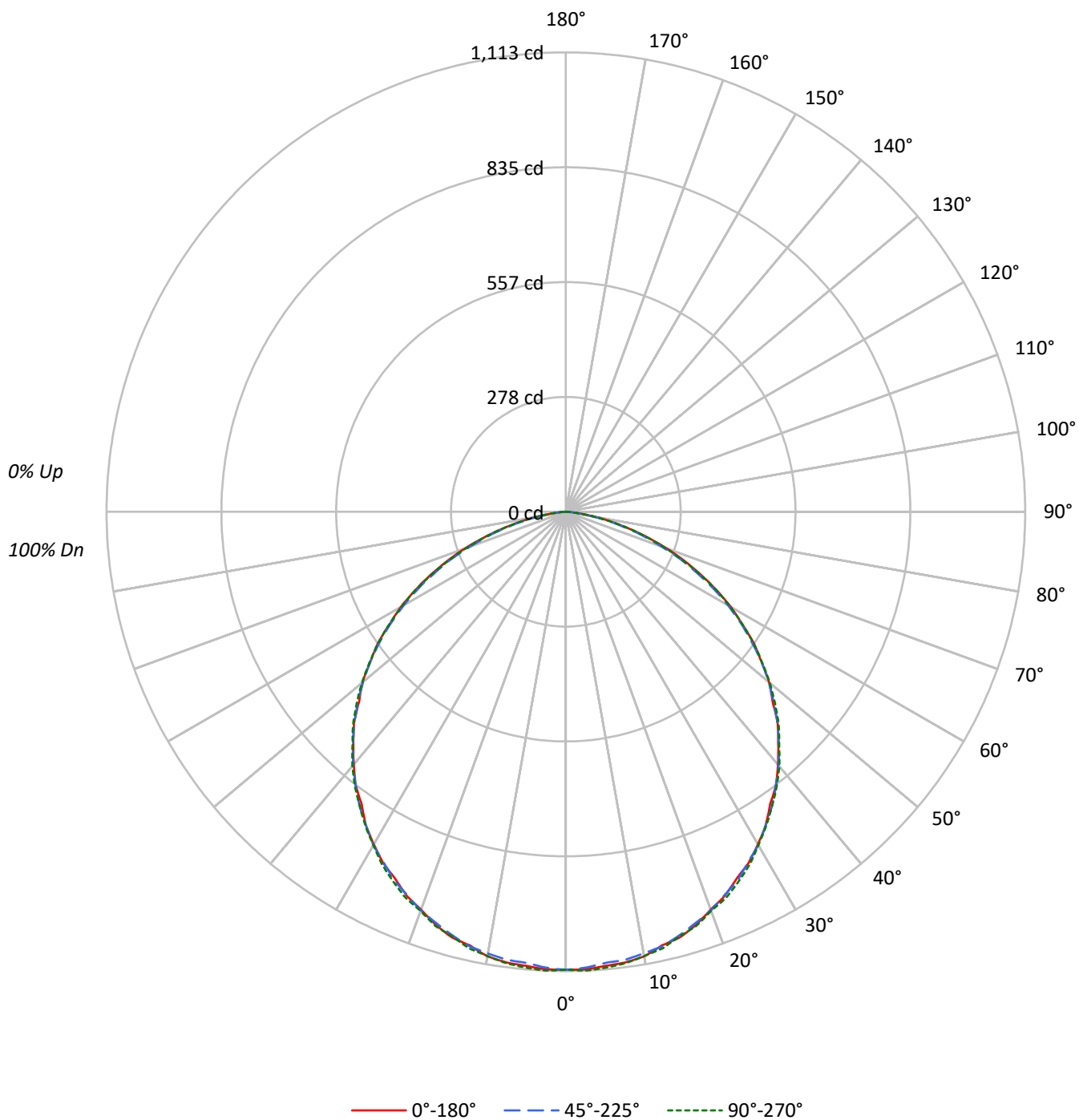
Lumens per Lamp: N/A
Luminaire Lumens: 3004.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	3856	3856	3856
5°	3853	3827	3867
10°	3860	3834	3857
15°	3841	3823	3830
20°	3794	3801	3805
25°	3757	3777	3793
30°	3734	3742	3742
35°	3663	3694	3694
40°	3627	3637	3651
45°	3569	3564	3584
50°	3478	3467	3490
55°	3371	3333	3365
60°	3211	3154	3190
65°	2972	2878	2947
70°	2651	2513	2598
75°	2152	2026	2124
80°	1489	1385	1469
85°	710	626	670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.5
10°-20°	300.3	10.0
20°-30°	453.9	15.1
30°-40°	544.7	18.1
40°-50°	560.4	18.7
50°-60°	494.1	16.4
60°-70°	352.3	11.7
70°-80°	167.3	5.6
80°-90°	26.0	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°	859.1	28.6
0°-40°	1403.8	46.7
0°-60°	2458.3	81.8
0°-90°	3004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1104	1104	1097	1106	1109	105
15°	1068	1064	1063	1066	1065	300
25°	980	983	985	987	989	453
35°	864	870	871	875	871	543
45°	726	729	725	729	729	558
55°	556	556	550	553	555	495
65°	362	359	350	355	358	358
75°	160	159	151	153	158	172
85°	18	17	16	16	17	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1109.8	1109.8	1109.8	1109.8	1109.8
2.5°	1109.8	1107.7	1105.6	1108.7	1112.9
5°	1104.5	1104.5	1097.2	1105.6	1108.7
7.5°	1101.4	1095.1	1095.1	1099.3	1103.5
10°	1094.0	1087.7	1086.7	1090.9	1093.0
12.5°	1076.2	1076.2	1078.3	1079.4	1083.6
15°	1067.8	1063.6	1062.6	1065.7	1064.7
17.5°	1049.0	1045.8	1044.8	1051.1	1052.1
20°	1025.9	1027.0	1028.0	1029.1	1029.1
22.5°	1007.1	1008.1	1005.0	1015.4	1013.3
25°	979.8	983.0	985.0	987.1	989.2
27.5°	958.9	956.8	956.8	960.9	964.1
30°	930.6	929.5	932.7	934.7	932.7
32.5°	901.2	902.3	901.2	904.4	903.3
35°	863.5	869.8	870.8	875.0	870.8
37.5°	836.2	836.2	836.2	839.4	839.4
40°	799.6	802.7	801.7	807.9	804.8
42.5°	761.8	765.0	763.9	771.3	765.0
45°	726.2	729.4	725.2	729.4	729.4
47.5°	679.1	684.3	683.2	690.6	687.4
50°	643.4	647.6	641.3	644.5	645.5
52.5°	597.3	601.5	597.3	599.4	599.4
55°	556.4	556.4	550.2	553.3	555.4
57.5°	506.1	509.3	503.0	505.1	507.2
60°	462.1	461.1	453.8	454.8	459.0
62.5°	411.8	410.8	403.5	404.5	410.8
65°	361.5	359.4	350.0	355.2	358.4
67.5°	311.2	310.2	300.8	301.8	306.0
70°	260.9	259.9	247.3	251.5	255.7
72.5°	209.6	208.5	199.1	202.2	207.5
75°	160.3	159.3	150.9	153.0	158.2
77.5°	116.3	113.2	107.9	111.1	114.2
80°	74.4	74.4	69.2	72.3	73.4
82.5°	40.9	40.9	38.8	39.8	40.9
85°	17.8	16.8	15.7	15.7	16.8
87.5°	3.1	3.1	3.1	3.1	3.1
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	16.42	18.03	16.79	18.35	18.66	16.38	17.99	16.74	18.30	18.62
	3H	18.00	19.45	18.37	19.77	20.13	17.90	19.35	18.28	19.68	20.04
	4H	18.47	19.83	18.87	20.18	20.56	18.37	19.73	18.77	20.08	20.46
	6H	18.71	19.97	19.12	20.34	20.73	18.61	19.87	19.02	20.24	20.63
	8H	18.75	19.95	19.17	20.34	20.74	18.64	19.85	19.07	20.23	20.63
	12H	18.75	19.90	19.17	20.28	20.71	18.64	19.79	19.07	20.18	20.60
4H	2H	16.96	18.33	17.36	18.67	19.05	16.93	18.29	17.32	18.64	19.01
	3H	18.72	19.86	19.13	20.26	20.66	18.64	19.77	19.05	20.17	20.57
	4H	19.29	20.32	19.73	20.73	21.17	19.19	20.21	19.62	20.63	21.06
	6H	19.62	20.51	20.07	20.95	21.41	19.51	20.40	19.97	20.84	21.30
	8H	19.67	20.50	20.13	20.94	21.41	19.56	20.39	20.02	20.84	21.30
	12H	19.68	20.43	20.16	20.90	21.37	19.58	20.32	20.06	20.80	21.27
8H	4H	19.47	20.30	19.93	20.75	21.21	19.38	20.21	19.84	20.65	21.12
	6H	19.85	20.54	20.35	21.03	21.50	19.75	20.44	20.25	20.93	21.40
	8H	19.93	20.54	20.44	21.05	21.54	19.83	20.44	20.34	20.95	21.44
	12H	19.96	20.50	20.47	20.99	21.56	19.86	20.40	20.37	20.89	21.45
12H	4H	19.47	20.22	19.95	20.69	21.16	19.38	20.12	19.86	20.60	21.07
	6H	19.85	20.46	20.36	20.97	21.46	19.75	20.37	20.26	20.87	21.36
	8H	19.96	20.50	20.46	20.99	21.55	19.86	20.40	20.37	20.89	21.45