

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: P997316

Luminaire Tested: FSP-14-L3C3-CP250-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

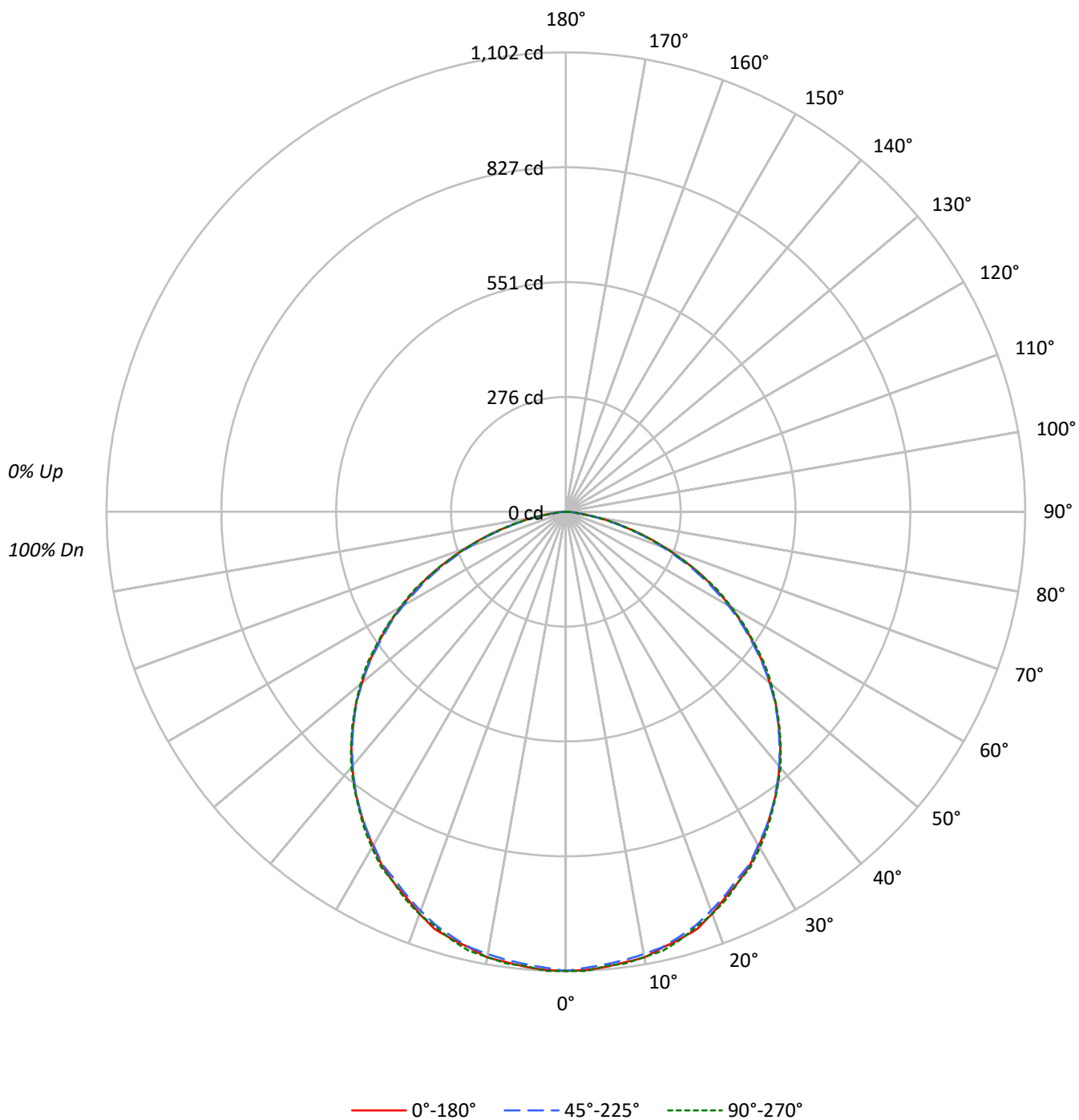
Lumens per Lamp: N/A
Luminaire Lumens: 2981.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	60	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	35	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°	3827	3827	3827
5°	3823	3801	3816
10°	3830	3801	3827
15°	3815	3796	3823
20°	3794	3767	3798
25°	3757	3729	3757
30°	3713	3704	3734
35°	3667	3667	3676
40°	3613	3613	3632
45°	3543	3538	3558
50°	3450	3450	3478
55°	3327	3301	3352
60°	3175	3132	3190
65°	2955	2870	2947
70°	2598	2513	2577
75°	2096	2013	2096
80°	1447	1405	1447
85°	626	626	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	3.5
10°-20°	298.4	10.0
20°-30°	450.6	15.1
30°-40°	541.0	18.1
40°-50°	556.4	18.7
50°-60°	490.9	16.5
60°-70°	349.4	11.7
70°-80°	164.9	5.5
80°-90°	25.3	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°	853.1	28.6
0°-40°	1394.2	46.8
0°-60°	2441.4	81.9
0°-90°	2981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1096	1095	1090	1098	1094	104
15°	1060	1056	1055	1059	1063	299
25°	980	974	972	979	980	451
35°	864	860	864	869	867	541
45°	721	719	720	725	724	557
55°	549	550	545	551	553	491
65°	359	354	349	354	358	353
75°	156	155	150	153	156	168
85°	16	17	16	16	16	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1101.4	1101.4	1101.4	1101.4	1101.4
2.5°	1100.3	1098.2	1095.1	1099.3	1102.4
5°	1096.1	1095.1	1089.8	1098.2	1094.0
7.5°	1089.8	1091.9	1084.6	1089.8	1093.0
10°	1085.6	1079.4	1077.3	1081.4	1084.6
12.5°	1071.0	1071.0	1069.9	1071.0	1078.3
15°	1060.5	1056.3	1055.2	1059.4	1062.6
17.5°	1049.0	1040.6	1039.5	1042.7	1042.7
20°	1025.9	1018.6	1018.6	1023.8	1027.0
22.5°	1000.8	999.7	996.6	1006.0	1006.0
25°	979.8	973.5	972.5	978.8	979.8
27.5°	955.7	950.5	953.6	953.6	959.9
30°	925.3	923.2	923.2	928.5	930.5
32.5°	896.0	893.9	894.9	898.1	900.2
35°	864.5	860.3	864.5	868.7	866.6
37.5°	833.1	831.0	831.0	834.1	834.1
40°	796.4	793.3	796.4	801.7	800.6
42.5°	761.8	757.6	758.7	763.9	762.9
45°	721.0	718.9	719.9	725.2	724.1
47.5°	683.2	680.1	681.1	681.1	683.2
50°	638.2	638.2	638.2	641.3	643.4
52.5°	595.2	594.2	593.1	598.4	601.5
55°	549.1	550.2	544.9	551.2	553.3
57.5°	504.0	504.0	499.9	503.0	508.2
60°	456.9	453.7	450.6	454.8	459.0
62.5°	406.6	404.5	399.3	402.4	413.9
65°	359.4	354.2	349.0	354.2	358.4
67.5°	307.0	302.8	296.6	301.8	307.0
70°	255.7	252.5	247.3	250.5	253.6
72.5°	206.4	201.2	197.0	201.2	203.3
75°	156.1	155.1	149.9	153.0	156.1
77.5°	112.1	110.0	106.9	112.1	112.1
80°	72.3	72.3	70.2	71.3	72.3
82.5°	40.9	38.8	37.7	39.8	38.8
85°	15.7	16.8	15.7	15.7	15.7
87.5°	3.1	2.1	3.1	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	16.38	17.99	16.75	18.31	18.62	16.39	17.99	16.75	18.31	18.62
	3H	17.93	19.37	18.30	19.70	20.06	17.92	19.36	18.29	19.69	20.05
	4H	18.39	19.75	18.79	20.10	20.47	18.37	19.73	18.77	20.08	20.46
	6H	18.62	19.88	19.03	20.25	20.64	18.61	19.87	19.02	20.23	20.62
	8H	18.65	19.86	19.08	20.24	20.64	18.64	19.84	19.06	20.23	20.63
	12H	18.65	19.80	19.08	20.18	20.61	18.64	19.79	19.07	20.17	20.60
4H	2H	16.93	18.29	17.33	18.64	19.02	16.93	18.29	17.33	18.64	19.02
	3H	18.66	19.79	19.07	20.19	20.59	18.65	19.78	19.06	20.18	20.58
	4H	19.21	20.23	19.64	20.65	21.08	19.19	20.22	19.63	20.63	21.07
	6H	19.53	20.42	19.98	20.86	21.31	19.51	20.40	19.97	20.84	21.30
	8H	19.58	20.41	20.04	20.85	21.31	19.56	20.39	20.02	20.83	21.30
	12H	19.59	20.33	20.07	20.81	21.28	19.57	20.31	20.05	20.79	21.26
8H	4H	19.39	20.22	19.86	20.67	21.13	19.38	20.21	19.84	20.65	21.12
	6H	19.76	20.45	20.26	20.94	21.41	19.75	20.44	20.25	20.93	21.40
	8H	19.84	20.45	20.35	20.96	21.44	19.82	20.44	20.33	20.94	21.43
	12H	19.87	20.41	20.37	20.90	21.46	19.85	20.39	20.36	20.88	21.44
12H	4H	19.40	20.14	19.88	20.61	21.08	19.38	20.12	19.86	20.60	21.07
	6H	19.76	20.37	20.27	20.88	21.37	19.75	20.36	20.26	20.87	21.36
	8H	19.86	20.40	20.37	20.90	21.46	19.85	20.39	20.36	20.88	21.44