

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: P997313

Luminaire Tested: FSP-14-L3C3-CP250-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997313
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-CP250-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

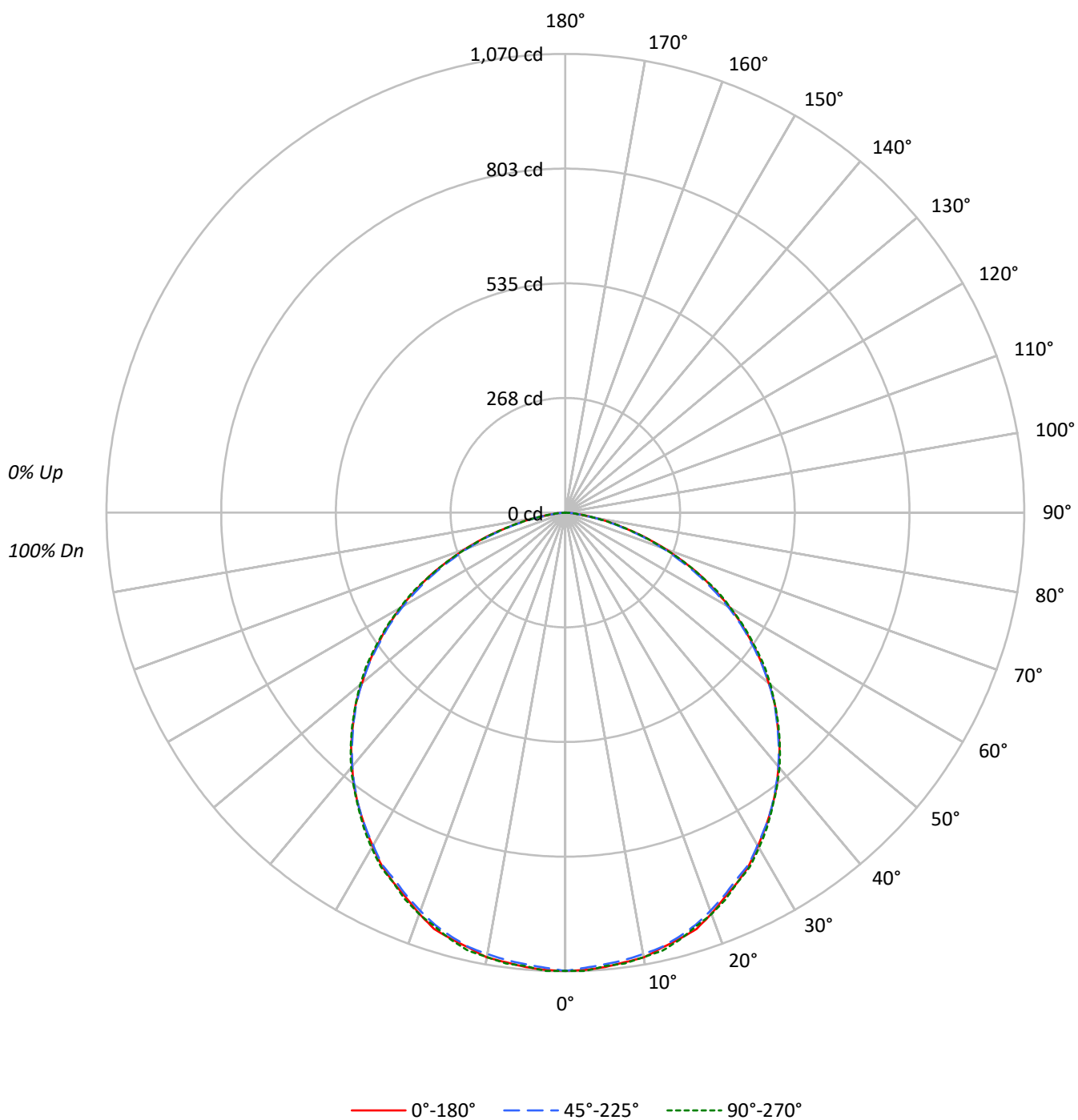
Lumens per Lamp: N/A
Luminaire Lumens: 2893.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	3714	3714	3714
5°	3711	3689	3703
10°	3718	3689	3714
15°	3702	3684	3710
20°	3682	3655	3685
25°	3646	3619	3646
30°	3603	3595	3624
35°	3559	3559	3568
40°	3506	3506	3525
45°	3438	3434	3453
50°	3348	3348	3375
55°	3228	3204	3253
60°	3082	3039	3095
65°	2868	2785	2860
70°	2521	2438	2500
75°	2034	1952	2034
80°	1405	1363	1405
85°	610	610	610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	3.5
10°-20°	289.6	10.0
20°-30°	437.3	15.1
30°-40°	525.1	18.1
40°-50°	539.9	18.7
50°-60°	476.4	16.5
60°-70°	339.0	11.7
70°-80°	160.1	5.5
80°-90°	24.6	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°	827.9	28.6
0°-40°	1353.0	46.8
0°-60°	2369.3	81.9
0°-90°	2893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1064	1063	1058	1066	1062	101
15°	1029	1025	1024	1028	1031	291
25°	951	945	944	950	951	438
35°	839	835	839	843	841	525
45°	700	698	699	704	703	540
55°	533	534	529	535	537	476
65°	349	344	339	344	348	343
75°	152	150	145	148	152	163
85°	15	16	15	15	15	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1068.8	1068.8	1068.8	1068.8	1068.8
2.5°	1067.8	1065.8	1062.7	1066.8	1069.9
5°	1063.8	1062.7	1057.7	1065.8	1061.7
7.5°	1057.7	1059.7	1052.6	1057.7	1060.7
10°	1053.6	1047.5	1045.5	1049.5	1052.6
12.5°	1039.4	1039.4	1038.3	1039.4	1046.5
15°	1029.2	1025.1	1024.1	1028.2	1031.2
17.5°	1018.0	1009.9	1008.8	1011.9	1011.9
20°	995.6	988.5	988.5	993.6	996.6
22.5°	971.2	970.2	967.1	976.3	976.3
25°	950.9	944.8	943.8	949.9	950.9
27.5°	927.5	922.4	925.5	925.5	931.6
30°	898.0	896.0	896.0	901.0	903.1
32.5°	869.5	867.5	868.5	871.6	873.6
35°	839.0	834.9	839.0	843.1	841.0
37.5°	808.5	806.5	806.5	809.5	809.5
40°	772.9	769.9	772.9	778.0	777.0
42.5°	739.3	735.3	736.3	741.4	740.4
45°	699.7	697.6	698.7	703.7	702.7
47.5°	663.1	660.0	661.0	661.0	663.1
50°	619.3	619.3	619.3	622.4	624.4
52.5°	577.6	576.6	575.6	580.7	583.7
55°	532.9	533.9	528.8	534.9	537.0
57.5°	489.2	489.2	485.1	488.1	493.2
60°	443.4	440.4	437.3	441.4	445.4
62.5°	394.6	392.6	387.5	390.5	401.7
65°	348.8	343.7	338.7	343.7	347.8
67.5°	298.0	293.9	287.8	292.9	298.0
70°	248.1	245.1	240.0	243.1	246.1
72.5°	200.3	195.3	191.2	195.3	197.3
75°	151.5	150.5	145.4	148.5	151.5
77.5°	108.8	106.8	103.7	108.8	108.8
80°	70.2	70.2	68.1	69.2	70.2
82.5°	39.7	37.6	36.6	38.6	37.6
85°	15.3	16.3	15.3	15.3	15.3
87.5°	3.1	2.0	3.1	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	16.28	17.89	16.65	18.20	18.52	16.28	17.89	16.65	18.20	18.52
	3H	17.82	19.27	18.20	19.60	19.96	17.81	19.26	18.19	19.59	19.95
	4H	18.28	19.65	18.68	19.99	20.37	18.27	19.63	18.67	19.98	20.35
	6H	18.52	19.78	18.93	20.14	20.53	18.50	19.76	18.92	20.13	20.52
	8H	18.55	19.75	18.98	20.14	20.54	18.53	19.74	18.96	20.12	20.52
	12H	18.55	19.70	18.98	20.08	20.51	18.53	19.68	18.96	20.06	20.49
4H	2H	16.83	18.19	17.23	18.54	18.92	16.83	18.19	17.23	18.54	18.91
	3H	18.55	19.69	18.96	20.08	20.48	18.54	19.67	18.95	20.07	20.47
	4H	19.11	20.13	19.54	20.54	20.98	19.09	20.11	19.52	20.53	20.96
	6H	19.42	20.31	19.88	20.75	21.21	19.41	20.30	19.86	20.74	21.20
	8H	19.47	20.30	19.93	20.75	21.21	19.46	20.29	19.92	20.73	21.19
	12H	19.48	20.23	19.96	20.70	21.17	19.47	20.21	19.95	20.68	21.15
8H	4H	19.29	20.12	19.75	20.56	21.03	19.27	20.10	19.74	20.55	21.01
	6H	19.66	20.34	20.15	20.83	21.31	19.65	20.33	20.14	20.82	21.30
	8H	19.73	20.35	20.24	20.85	21.34	19.72	20.33	20.23	20.84	21.33
	12H	19.76	20.30	20.27	20.79	21.36	19.75	20.29	20.25	20.78	21.34
12H	4H	19.29	20.03	19.77	20.51	20.98	19.28	20.02	19.76	20.49	20.96
	6H	19.66	20.27	20.17	20.78	21.27	19.64	20.26	20.15	20.77	21.25
	8H	19.76	20.30	20.27	20.79	21.35	19.75	20.29	20.25	20.78	21.34