

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: P997283

Luminaire Tested: FSP-14-L3C3-CA125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

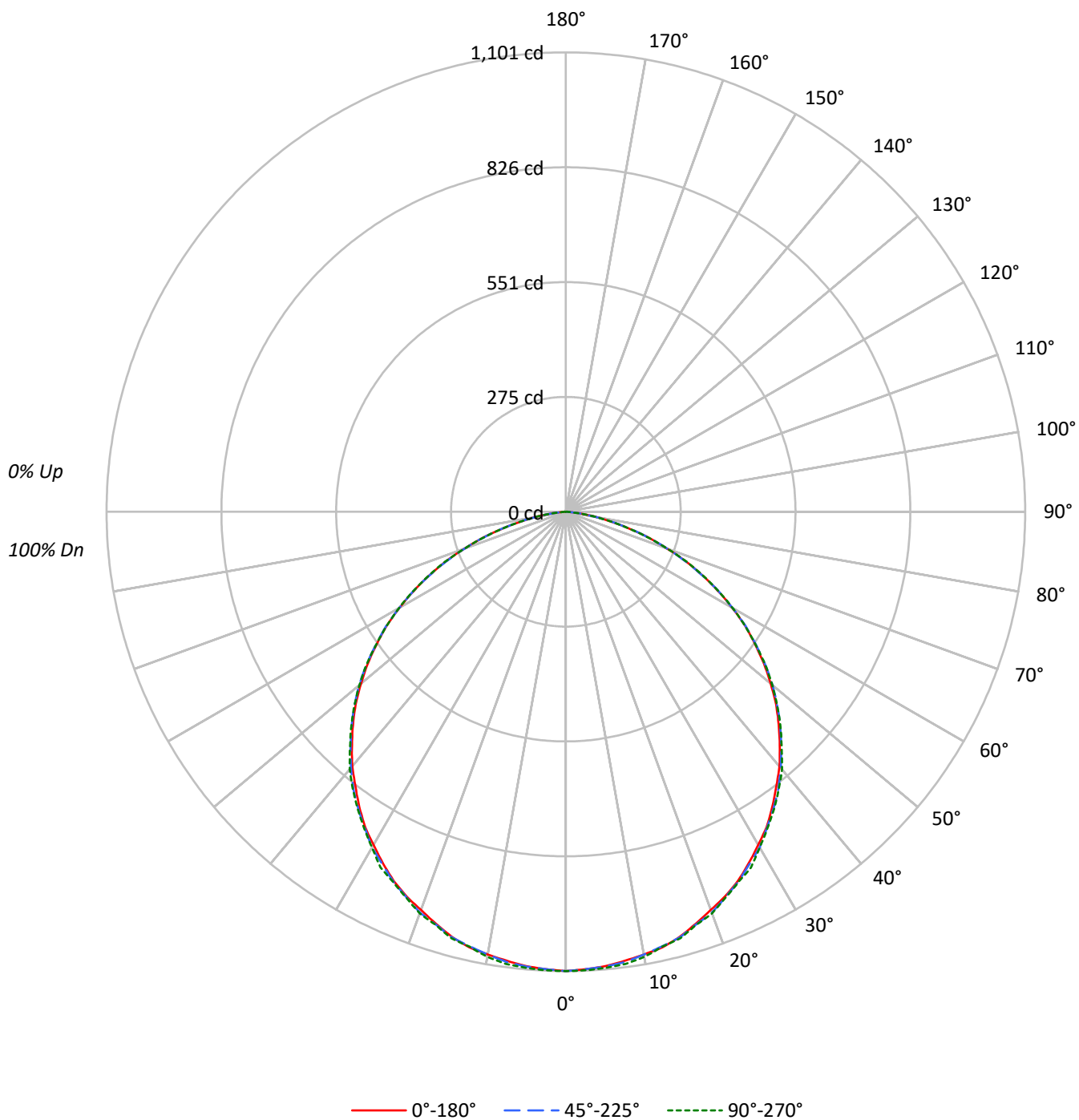
Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3826	3826	3826
5°	3813	3816	3827
10°	3802	3802	3822
15°	3795	3798	3809
20°	3755	3781	3788
25°	3743	3750	3754
30°	3700	3728	3728
35°	3661	3682	3691
40°	3612	3634	3657
45°	3546	3570	3575
50°	3465	3497	3492
55°	3353	3371	3365
60°	3198	3205	3211
65°	2975	2967	2982
70°	2626	2636	2636
75°	2151	2164	2139
80°	1535	1495	1495
85°	706	706	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	3.5
10°-20°	297.8	9.9
20°-30°	450.8	15.0
30°-40°	542.8	18.0
40°-50°	559.9	18.6
50°-60°	497.0	16.5
60°-70°	357.4	11.9
70°-80°	172.0	5.7
80°-90°	27.4	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°	852.6	28.3
0°-40°	1395.4	46.4
0°-60°	2452.2	81.5
0°-90°	3009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1093	1096	1094	1093	1097	104
15°	1055	1058	1056	1054	1059	297
25°	976	979	978	979	979	449
35°	863	865	868	870	870	540
45°	722	726	726	728	728	556
55°	554	559	556	561	555	495
65°	362	362	361	362	363	357
75°	160	162	161	159	159	172
85°	18	18	18	17	17	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1101.0	1101.0	1101.0	1101.0	1101.0
2.5°	1097.1	1101.0	1097.1	1096.1	1100.0
5°	1093.2	1096.1	1094.1	1093.2	1097.1
7.5°	1085.3	1090.2	1088.2	1087.3	1093.2
10°	1077.4	1081.4	1077.4	1080.4	1083.3
12.5°	1069.6	1072.5	1066.6	1070.5	1067.6
15°	1054.8	1057.8	1055.8	1053.8	1058.8
17.5°	1035.2	1040.1	1037.1	1040.1	1038.1
20°	1015.5	1019.4	1022.4	1020.4	1024.3
22.5°	997.8	999.8	999.8	1001.7	1000.8
25°	976.2	979.1	978.1	979.1	979.1
27.5°	949.6	951.6	952.6	954.5	961.4
30°	922.1	926.0	929.0	930.0	929.0
32.5°	895.6	897.5	897.5	901.5	899.5
35°	863.1	865.1	868.0	870.0	870.0
37.5°	828.7	831.7	836.6	838.5	838.5
40°	796.3	799.2	801.2	808.1	806.1
42.5°	758.9	764.8	763.8	764.8	765.8
45°	721.6	726.5	726.5	727.5	727.5
47.5°	683.2	687.2	687.2	687.2	687.2
50°	641.0	642.9	646.9	643.9	645.9
52.5°	598.7	602.6	602.6	600.6	602.6
55°	553.5	559.4	556.4	561.3	555.4
57.5°	510.2	511.2	511.2	510.2	509.2
60°	460.1	464.0	461.1	459.1	462.0
62.5°	410.9	412.9	412.9	411.9	412.9
65°	361.8	361.8	360.8	361.8	362.7
67.5°	312.6	312.6	309.7	307.7	313.6
70°	258.5	261.5	259.5	259.5	259.5
72.5°	210.4	208.4	209.4	207.4	208.4
75°	160.2	162.2	161.2	159.3	159.3
77.5°	115.0	118.0	116.0	115.0	116.0
80°	76.7	75.7	74.7	74.7	74.7
82.5°	44.2	42.3	42.3	41.3	41.3
85°	17.7	17.7	17.7	16.7	16.7
87.5°	3.9	3.9	3.9	2.9	3.9
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	16.44	18.06	16.81	18.37	18.69	16.43	18.04	16.79	18.36	18.67
	3H	18.01	19.47	18.39	19.79	20.15	17.99	19.44	18.37	19.77	20.13
	4H	18.49	19.85	18.88	20.20	20.58	18.46	19.82	18.85	20.17	20.55
	6H	18.73	20.00	19.14	20.36	20.75	18.70	19.97	19.11	20.33	20.72
	8H	18.77	19.98	19.20	20.37	20.77	18.74	19.94	19.16	20.33	20.73
	12H	18.77	19.93	19.20	20.31	20.74	18.74	19.89	19.16	20.27	20.70
4H	2H	17.02	18.38	17.42	18.73	19.11	17.00	18.37	17.40	18.72	19.10
	3H	18.77	19.91	19.18	20.31	20.71	18.75	19.89	19.16	20.29	20.69
	4H	19.35	20.37	19.78	20.79	21.22	19.32	20.34	19.75	20.76	21.19
	6H	19.68	20.57	20.13	21.01	21.47	19.64	20.53	20.10	20.98	21.43
	8H	19.74	20.57	20.20	21.01	21.48	19.69	20.53	20.15	20.97	21.44
	12H	19.75	20.50	20.23	20.98	21.45	19.70	20.45	20.19	20.93	21.40
8H	4H	19.55	20.38	20.01	20.83	21.29	19.52	20.35	19.98	20.80	21.26
	6H	19.94	20.63	20.43	21.12	21.59	19.90	20.59	20.40	21.08	21.56
	8H	20.02	20.64	20.53	21.15	21.63	19.98	20.60	20.49	21.10	21.59
	12H	20.06	20.60	20.57	21.09	21.66	20.01	20.55	20.52	21.05	21.61
12H	4H	19.55	20.30	20.03	20.78	21.25	19.52	20.27	20.00	20.75	21.22
	6H	19.94	20.56	20.45	21.06	21.55	19.90	20.52	20.41	21.03	21.52
	8H	20.05	20.60	20.56	21.09	21.65	20.01	20.56	20.52	21.05	21.61