

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: P997274

Luminaire Tested: FSP-14-L3C3-CA08-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA08-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

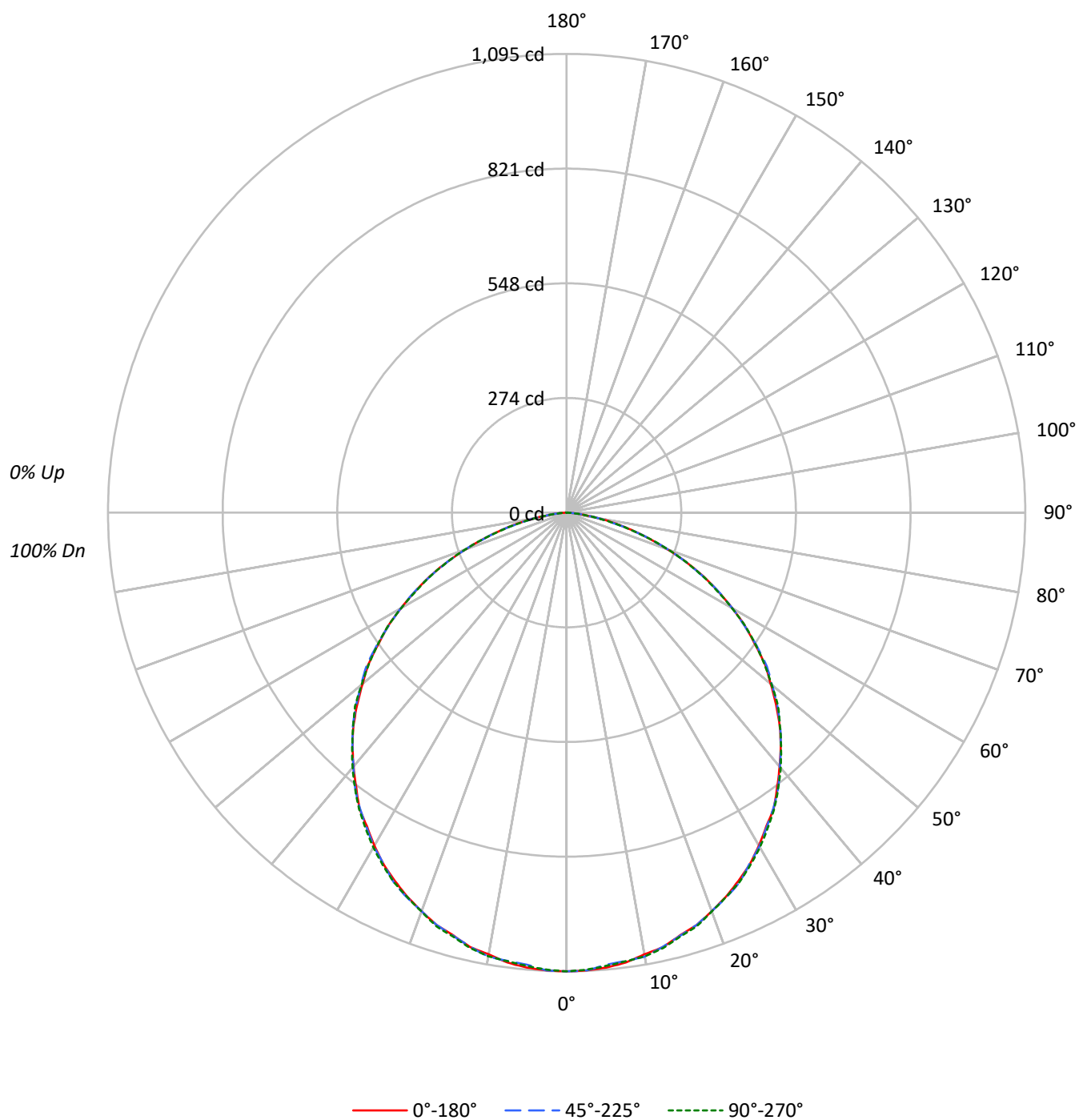
Lumens per Lamp: N/A
Luminaire Lumens: 2990.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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
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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3805	3805	3805
5°	3802	3778	3788
10°	3777	3798	3794
15°	3759	3762	3769
20°	3744	3744	3747
25°	3719	3739	3735
30°	3683	3691	3703
35°	3657	3652	3665
40°	3589	3594	3607
45°	3536	3546	3541
50°	3438	3459	3454
55°	3328	3353	3341
60°	3177	3177	3170
65°	2966	2950	2950
70°	2606	2616	2626
75°	2164	2151	2137
80°	1535	1535	1495
85°	785	746	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.5
10°-20°	296.3	9.9
20°-30°	448.3	15.0
30°-40°	538.7	18.0
40°-50°	555.9	18.6
50°-60°	493.2	16.5
60°-70°	354.5	11.9
70°-80°	170.9	5.7
80°-90°	28.6	1.0
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°	848.1	28.4
0°-40°	1386.8	46.4
0°-60°	2435.9	81.5
0°-90°	2990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1090	1090	1083	1091	1086	103
15°	1045	1052	1046	1054	1048	295
25°	970	972	975	975	974	447
35°	862	862	861	863	864	537
45°	720	720	722	722	720	554
55°	549	553	553	552	551	492
65°	361	362	359	356	359	355
75°	161	159	160	160	159	172
85°	20	19	19	20	19	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1094.0	1096.9	1094.0	1096.0	1092.0
5°	1090.1	1090.1	1083.2	1091.0	1086.1
7.5°	1083.2	1084.2	1079.2	1087.1	1080.2
10°	1070.4	1077.3	1076.3	1079.2	1075.3
12.5°	1062.5	1065.5	1061.5	1067.4	1064.5
15°	1044.8	1051.7	1045.8	1053.7	1047.8
17.5°	1032.1	1033.0	1032.1	1036.0	1035.0
20°	1012.4	1014.4	1012.4	1019.3	1013.4
22.5°	992.7	994.7	994.7	997.7	993.7
25°	970.1	972.1	975.1	975.1	974.1
27.5°	946.5	945.6	945.6	952.4	949.5
30°	918.0	922.0	920.0	924.9	923.0
32.5°	887.6	891.5	889.5	894.5	893.5
35°	862.0	862.0	861.0	863.0	864.0
37.5°	825.6	826.6	829.6	831.5	829.6
40°	791.2	794.2	792.2	794.2	795.2
42.5°	756.8	759.8	756.8	761.8	757.8
45°	719.5	720.5	721.5	722.4	720.5
47.5°	678.2	683.1	682.1	684.1	685.1
50°	635.9	642.8	639.9	641.8	638.9
52.5°	597.6	597.6	602.5	596.6	595.6
55°	549.4	553.4	553.4	552.4	551.4
57.5°	506.2	508.2	504.2	506.2	507.2
60°	457.1	459.0	457.1	456.1	456.1
62.5°	407.9	409.9	409.9	408.9	405.9
65°	360.7	361.7	358.8	355.8	358.8
67.5°	309.6	308.6	308.6	306.7	308.6
70°	256.5	259.5	257.5	255.6	258.5
72.5°	207.4	209.4	206.4	205.4	207.4
75°	161.2	159.2	160.2	160.2	159.2
77.5°	118.9	116.0	114.0	114.0	115.0
80°	76.7	75.7	76.7	74.7	74.7
82.5°	43.2	43.2	43.2	43.2	44.2
85°	19.7	18.7	18.7	19.7	18.7
87.5°	4.9	4.9	5.9	4.9	4.9
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	16.42	18.04	16.79	18.35	18.66	16.40	18.01	16.76	18.33	18.64
	3H	17.98	19.43	18.36	19.76	20.12	17.95	19.41	18.33	19.74	20.10
	4H	18.46	19.82	18.85	20.17	20.55	18.43	19.80	18.83	20.14	20.52
	6H	18.72	19.98	19.13	20.35	20.74	18.67	19.94	19.09	20.30	20.70
	8H	18.75	19.96	19.18	20.35	20.75	18.71	19.92	19.14	20.31	20.71
	12H	18.76	19.92	19.19	20.30	20.73	18.72	19.88	19.15	20.26	20.69
4H	2H	16.99	18.36	17.39	18.71	19.09	16.98	18.35	17.38	18.69	19.07
	3H	18.74	19.88	19.15	20.28	20.68	18.72	19.86	19.13	20.25	20.65
	4H	19.31	20.34	19.75	20.76	21.19	19.29	20.32	19.72	20.73	21.17
	6H	19.66	20.55	20.11	20.99	21.45	19.62	20.51	20.07	20.95	21.41
	8H	19.71	20.55	20.18	20.99	21.46	19.67	20.51	20.14	20.95	21.42
	12H	19.73	20.48	20.21	20.96	21.43	19.69	20.44	20.18	20.92	21.39
8H	4H	19.52	20.35	19.98	20.79	21.26	19.49	20.33	19.95	20.77	21.24
	6H	19.92	20.61	20.41	21.10	21.57	19.88	20.57	20.37	21.06	21.53
	8H	20.00	20.62	20.51	21.13	21.61	19.97	20.58	20.48	21.09	21.58
	12H	20.04	20.59	20.55	21.08	21.64	20.01	20.55	20.52	21.05	21.61
12H	4H	19.52	20.27	20.00	20.74	21.21	19.50	20.24	19.98	20.72	21.19
	6H	19.92	20.54	20.43	21.05	21.53	19.88	20.50	20.39	21.01	21.50
	8H	20.04	20.58	20.55	21.07	21.64	20.00	20.55	20.51	21.04	21.60