

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: P1357552

Luminaire Tested: 8ASL4-5-1-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 8ASL4-5-1-92765-UNV_2700K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

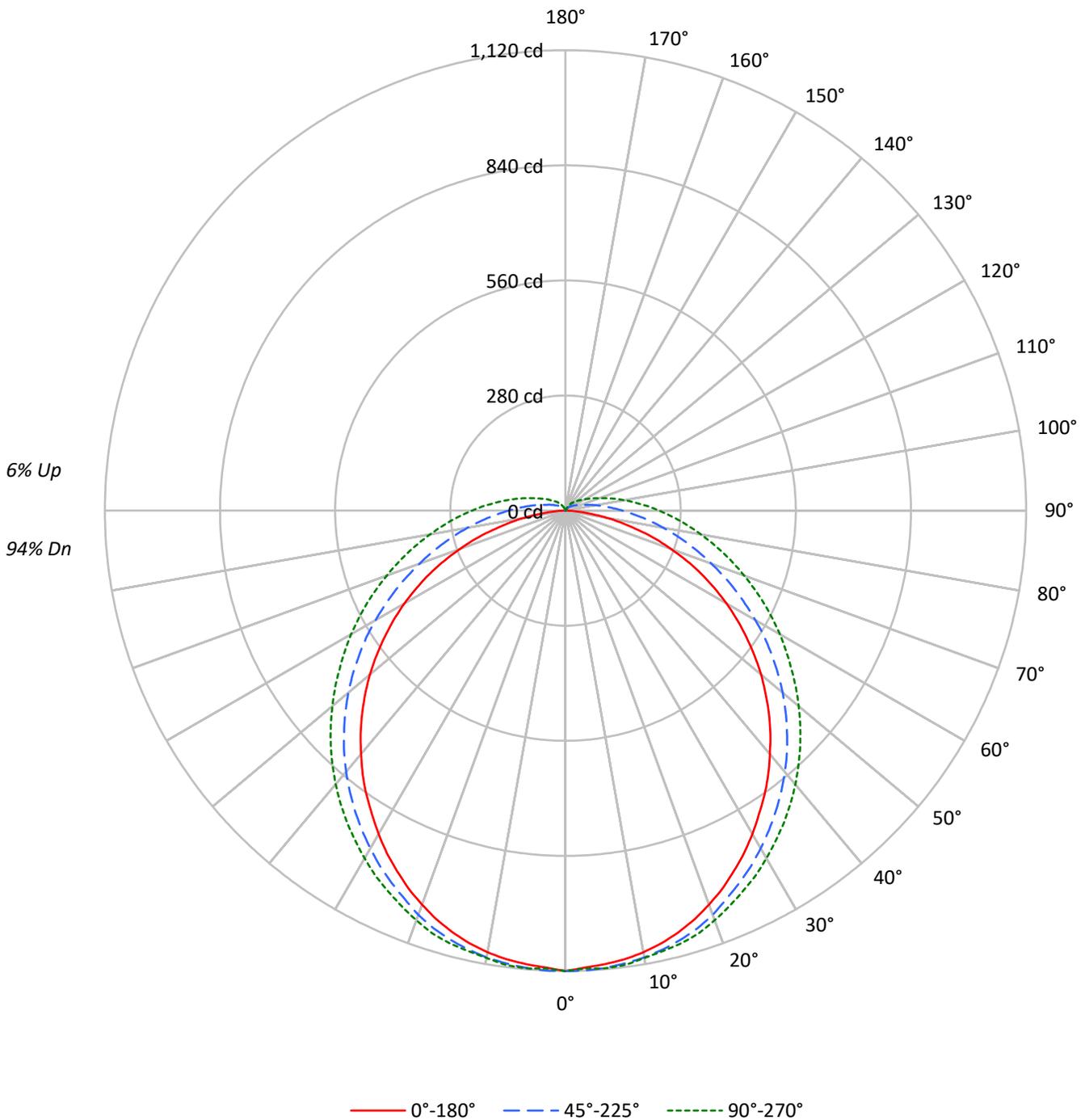
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3750.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 34.2
Input Voltage (V): NR
Input Current (A_{in}): 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				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	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	78	78	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	64	64	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	54	54	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	46	46	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	40	40	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	35	35	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4533	4533	4533
5°	4494	4445	4419
10°	4473	4358	4303
15°	4433	4265	4213
20°	4372	4159	4101
25°	4296	4031	3980
30°	4214	3915	3867
35°	4132	3795	3754
40°	4039	3675	3638
45°	3951	3543	3519
50°	3849	3406	3395
55°	3721	3250	3270
60°	3580	3087	3161
65°	3399	2916	3051
70°	3112	2737	2945
75°	2739	2579	2863
80°	2226	2446	2812
85°	1382	2366	2832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3951 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	2.8
10°-20°	304.5	8.1
20°-30°	460.4	12.3
30°-40°	556.5	14.8
40°-50°	585.1	15.6
50°-60°	545.0	14.5
60°-70°	447.8	11.9
70°-80°	317.9	8.5
80°-90°	191.6	5.1
90°-100°	107.3	2.9
100°-110°	59.5	1.6
110°-120°	33.2	0.9
120°-130°	19.1	0.5
130°-140°	10.4	0.3
140°-150°	4.6	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	870.9	23.2
0°-40°	1427.4	38.1
0°-60°	2557.5	68.2
0°-90°	3514.8	93.7
90°-120°	200.0	5.3
90°-150°	234.1	6.2
90°-180°	235.0	6.3
0°-180°	3750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1107	1118	1116	1115	1118	105
15°	1062	1076	1081	1086	1090	299
25°	968	986	1000	1014	1021	446
35°	844	865	892	915	926	528
45°	699	725	762	793	807	539
55°	537	568	612	652	670	480
65°	365	398	455	508	532	360
75°	184	231	307	370	397	196
85°	34	99	185	253	279	43
90°	0	58	138	203	227	1
95°	0	34	101	160	182	0
105°	0	13	53	96	114	0
115°	0	6	33	58	70	0
125°	0	4	20	38	44	0
135°	0	1	13	24	30	0
145°	1	0	5	14	18	1
155°	1	1	0	4	5	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.1	1120.1	1120.1	1120.1	1120.1
2.5°	1112.5	1122.6	1120.1	1115.0	1115.0
5°	1107.4	1117.6	1116.3	1115.0	1117.6
7.5°	1101.1	1111.2	1111.2	1112.5	1115.0
10°	1091.0	1103.6	1103.6	1103.6	1104.9
12.5°	1078.3	1091.0	1093.5	1094.8	1097.3
15°	1061.8	1075.7	1080.8	1085.9	1089.7
17.5°	1042.8	1056.7	1065.6	1071.9	1078.3
20°	1020.0	1035.2	1046.6	1054.2	1060.5
22.5°	995.9	1011.1	1022.5	1033.9	1041.5
25°	968.0	985.8	999.7	1013.7	1021.3
27.5°	940.2	957.9	975.6	992.1	1001.0
30°	908.5	928.8	949.0	968.0	976.9
32.5°	875.5	897.1	921.2	941.4	951.6
35°	843.9	865.4	892.0	914.8	926.2
37.5°	809.7	831.2	861.6	887.0	898.4
40°	772.9	797.0	829.9	856.5	869.2
42.5°	737.4	761.5	797.0	826.1	838.8
45°	699.4	724.8	761.5	793.2	807.1
47.5°	660.1	686.8	726.0	759.0	774.2
50°	620.9	648.7	689.3	724.8	740.0
52.5°	579.1	608.2	651.3	689.3	705.8
55°	537.2	567.6	612.0	652.5	670.3
57.5°	495.4	525.8	574.0	617.1	636.1
60°	452.3	484.0	533.4	580.3	601.9
62.5°	408.0	440.9	492.9	543.6	566.4
65°	364.9	397.9	454.9	508.1	532.2
67.5°	319.3	354.8	415.6	471.4	496.7
70°	272.4	313.0	377.6	437.1	462.5
72.5°	230.6	272.4	342.1	402.9	429.5
75°	183.7	230.6	306.6	370.0	396.6
77.5°	143.2	193.9	273.7	338.3	364.9
80°	102.6	158.4	242.0	307.9	334.5
82.5°	65.9	126.7	212.9	280.0	305.4
85°	34.2	98.8	185.0	253.4	278.8
87.5°	10.1	76.0	159.7	226.8	252.1
90°	0.0	58.3	138.1	202.7	226.8
92.5°	0.0	44.3	119.1	181.2	205.3
95°	0.0	34.2	101.4	159.7	182.5
97.5°	0.0	26.6	87.4	140.6	163.5
100°	0.0	21.5	74.8	124.2	145.7
102.5°	0.0	17.7	64.6	110.2	129.2
105°	0.0	12.7	53.2	96.3	114.0
107.5°	0.0	8.9	46.9	84.9	100.1
110°	0.0	7.6	41.8	73.5	88.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	6.3	36.7	65.9	78.6
115°	0.0	6.3	32.9	58.3	69.7
117.5°	0.0	5.1	27.9	52.0	62.1
120°	0.0	5.1	25.3	46.9	55.8
122.5°	0.0	3.8	22.8	41.8	50.7
125°	0.0	3.8	20.3	38.0	44.3
127.5°	0.0	2.5	17.7	34.2	40.5
130°	0.0	2.5	16.5	30.4	36.7
132.5°	0.0	1.3	15.2	27.9	32.9
135°	0.0	1.3	12.7	24.1	30.4
137.5°	0.0	0.0	11.4	21.5	26.6
140°	0.0	0.0	8.9	19.0	24.1
142.5°	1.3	0.0	7.6	16.5	20.3
145°	1.3	0.0	5.1	13.9	17.7
147.5°	1.3	1.3	3.8	11.4	13.9
150°	1.3	1.3	2.5	7.6	11.4
152.5°	1.3	1.3	1.3	5.1	7.6
155°	1.3	1.3	0.0	3.8	5.1
157.5°	1.3	1.3	0.0	1.3	2.5
160°	1.3	1.3	0.0	0.0	1.3
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	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	14.67	16.22	15.13	16.67	17.13	16.70	18.25	17.16	18.69	19.16
	3H	16.16	17.58	16.63	18.03	18.54	19.13	20.54	19.60	20.99	21.50
	4H	16.64	17.98	17.13	18.45	18.97	20.31	21.65	20.80	22.12	22.64
	6H	16.91	18.16	17.42	18.65	19.18	21.54	22.79	22.05	23.27	23.81
	8H	16.97	18.16	17.48	18.67	19.21	22.18	23.38	22.70	23.89	24.43
	12H	16.98	18.13	17.50	18.63	19.20	22.90	24.05	23.43	24.55	25.13
4H	2H	15.54	16.88	16.04	17.35	17.88	17.13	18.47	17.62	18.94	19.46
	3H	17.27	18.41	17.78	18.93	19.47	19.78	20.92	20.29	21.44	21.98
	4H	17.87	18.91	18.40	19.44	20.02	21.13	22.17	21.66	22.70	23.28
	6H	18.27	19.19	18.81	19.74	20.33	22.55	23.47	23.10	24.03	24.62
	8H	18.36	19.23	18.91	19.78	20.38	23.30	24.17	23.85	24.72	25.32
	12H	18.40	19.19	18.97	19.77	20.38	24.14	24.93	24.72	25.51	26.12
8H	4H	18.53	19.40	19.08	19.95	20.55	21.34	22.21	21.89	22.76	23.36
	6H	19.10	19.83	19.68	20.43	21.04	22.93	23.66	23.51	24.26	24.87
	8H	19.28	19.94	19.87	20.54	21.17	23.81	24.48	24.41	25.08	25.71
	12H	19.39	19.98	19.98	20.57	21.26	24.84	25.43	25.44	26.02	26.71
12H	4H	18.72	19.50	19.29	20.08	20.69	21.35	22.14	21.92	22.72	23.33
	6H	19.38	20.04	19.97	20.65	21.27	22.96	23.63	23.56	24.23	24.86
	8H	19.65	20.24	20.25	20.83	21.52	23.92	24.51	24.51	25.10	25.79