

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: P1357554

Luminaire Tested: 8ASL4-5-1-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357554
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_3500K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

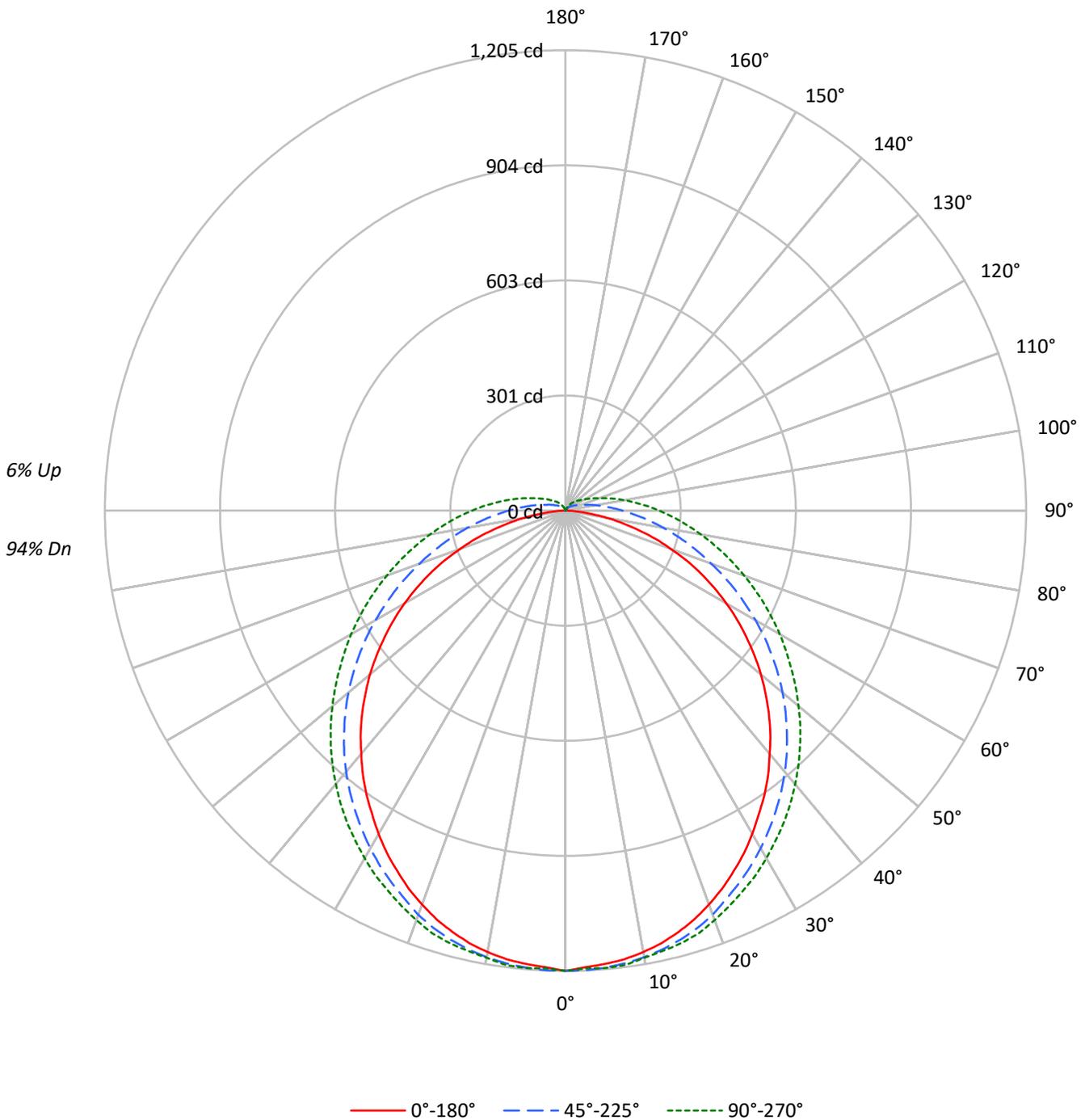
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4033.0 lumens
Efficiency: N/A
Efficacy: 117.9 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	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4875	4875	4875
5°	4833	4781	4753
10°	4811	4687	4628
15°	4768	4587	4531
20°	4702	4473	4411
25°	4621	4336	4281
30°	4532	4210	4159
35°	4443	4082	4038
40°	4344	3952	3913
45°	4250	3810	3785
50°	4139	3662	3651
55°	4002	3495	3517
60°	3851	3320	3399
65°	3656	3136	3281
70°	3347	2944	3167
75°	2946	2774	3079
80°	2396	2631	3025
85°	1487	2545	3045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4250 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	2.8
10°-20°	327.5	8.1
20°-30°	495.1	12.3
30°-40°	598.5	14.8
40°-50°	629.2	15.6
50°-60°	586.2	14.5
60°-70°	481.6	11.9
70°-80°	341.9	8.5
80°-90°	206.1	5.1
90°-100°	115.4	2.9
100°-110°	63.9	1.6
110°-120°	35.7	0.9
120°-130°	20.5	0.5
130°-140°	11.2	0.3
140°-150°	5.0	0.1
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	936.6	23.2
0°-40°	1535.1	38.1
0°-60°	2750.5	68.2
0°-90°	3780.0	93.7
90°-120°	215.1	5.3
90°-150°	251.8	6.2
90°-180°	253.0	6.3
0°-180°	4033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1191	1202	1200	1199	1202	113
15°	1142	1157	1162	1168	1172	322
25°	1041	1060	1075	1090	1098	480
35°	908	931	959	984	996	567
45°	752	780	819	853	868	580
55°	578	610	658	702	721	517
65°	392	428	489	546	572	387
75°	198	248	330	398	426	211
85°	37	106	199	272	300	46
90°	0	63	148	218	244	1
95°	0	37	109	172	196	0
105°	0	14	57	104	123	0
115°	0	7	35	63	75	0
125°	0	4	22	41	48	0
135°	0	1	14	26	33	0
145°	1	0	6	15	19	1
155°	1	1	0	4	6	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°	1204.6	1204.6	1204.6	1204.6	1204.6
2.5°	1196.4	1207.3	1204.6	1199.2	1199.2
5°	1191.0	1201.9	1200.5	1199.2	1201.9
7.5°	1184.2	1195.1	1195.1	1196.4	1199.2
10°	1173.3	1186.9	1186.9	1186.9	1188.3
12.5°	1159.7	1173.3	1176.0	1177.4	1180.1
15°	1141.9	1156.9	1162.4	1167.8	1171.9
17.5°	1121.5	1136.5	1146.0	1152.8	1159.7
20°	1097.0	1113.3	1125.6	1133.8	1140.6
22.5°	1071.1	1087.4	1099.7	1112.0	1120.1
25°	1041.1	1060.2	1075.2	1090.2	1098.3
27.5°	1011.1	1030.2	1049.3	1067.0	1076.5
30°	977.1	998.9	1020.7	1041.1	1050.6
32.5°	941.6	964.8	990.7	1012.5	1023.4
35°	907.6	930.7	959.3	983.9	996.1
37.5°	870.8	893.9	926.6	953.9	966.2
40°	831.2	857.1	892.6	921.2	934.8
42.5°	793.1	819.0	857.1	888.5	902.1
45°	752.2	779.5	819.0	853.0	868.0
47.5°	710.0	738.6	780.8	816.3	832.6
50°	667.7	697.7	741.3	779.5	795.8
52.5°	622.8	654.1	700.4	741.3	759.0
55°	577.8	610.5	658.2	701.8	720.9
57.5°	532.8	565.5	617.3	663.6	684.1
60°	486.5	520.5	573.7	624.1	647.3
62.5°	438.8	474.2	530.1	584.6	609.1
65°	392.5	427.9	489.2	546.4	572.3
67.5°	343.4	381.6	447.0	506.9	534.2
70°	293.0	336.6	406.1	470.1	497.4
72.5°	248.0	293.0	367.9	433.3	462.0
75°	197.6	248.0	329.8	397.9	426.5
77.5°	154.0	208.5	294.3	363.8	392.5
80°	110.4	170.3	260.3	331.1	359.8
82.5°	70.9	136.3	228.9	301.2	328.4
85°	36.8	106.3	199.0	272.5	299.8
87.5°	10.9	81.8	171.7	243.9	271.2
90°	0.0	62.7	148.5	218.0	243.9
92.5°	0.0	47.7	128.1	194.9	220.8
95°	0.0	36.8	109.0	171.7	196.2
97.5°	0.0	28.6	94.0	151.3	175.8
100°	0.0	23.2	80.4	133.5	156.7
102.5°	0.0	19.1	69.5	118.6	139.0
105°	0.0	13.6	57.2	103.6	122.6
107.5°	0.0	9.5	50.4	91.3	107.7
110°	0.0	8.2	45.0	79.0	95.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	6.8	39.5	70.9	84.5
115°	0.0	6.8	35.4	62.7	74.9
117.5°	0.0	5.5	30.0	55.9	66.8
120°	0.0	5.5	27.3	50.4	60.0
122.5°	0.0	4.1	24.5	45.0	54.5
125°	0.0	4.1	21.8	40.9	47.7
127.5°	0.0	2.7	19.1	36.8	43.6
130°	0.0	2.7	17.7	32.7	39.5
132.5°	0.0	1.4	16.4	30.0	35.4
135°	0.0	1.4	13.6	25.9	32.7
137.5°	0.0	0.0	12.3	23.2	28.6
140°	0.0	0.0	9.5	20.4	25.9
142.5°	1.4	0.0	8.2	17.7	21.8
145°	1.4	0.0	5.5	15.0	19.1
147.5°	1.4	1.4	4.1	12.3	15.0
150°	1.4	1.4	2.7	8.2	12.3
152.5°	1.4	1.4	1.4	5.5	8.2
155°	1.4	1.4	0.0	4.1	5.5
157.5°	1.4	1.4	0.0	1.4	2.7
160°	1.4	1.4	0.0	0.0	1.4
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	14.92	16.48	15.38	16.92	17.39	16.95	18.50	17.41	18.94	19.41
	3H	16.41	17.83	16.89	18.28	18.79	19.38	20.79	19.85	21.24	21.75
	4H	16.89	18.23	17.38	18.70	19.22	20.56	21.90	21.05	22.37	22.89
	6H	17.17	18.41	17.67	18.90	19.44	21.79	23.04	22.30	23.53	24.07
	8H	17.22	18.41	17.74	18.92	19.47	22.44	23.63	22.96	24.14	24.69
	12H	17.23	18.38	17.76	18.88	19.46	23.16	24.30	23.68	24.80	25.38
4H	2H	15.80	17.14	16.29	17.61	18.13	17.38	18.72	17.87	19.19	19.71
	3H	17.52	18.67	18.03	19.18	19.73	20.03	21.17	20.54	21.69	22.23
	4H	18.12	19.17	18.65	19.69	20.27	21.38	22.43	21.91	22.95	23.53
	6H	18.52	19.44	19.06	19.99	20.58	22.81	23.73	23.35	24.28	24.87
	8H	18.61	19.48	19.16	20.03	20.63	23.55	24.42	24.10	24.97	25.58
	12H	18.65	19.44	19.23	20.02	20.63	24.40	25.18	24.97	25.76	26.37
8H	4H	18.78	19.65	19.33	20.20	20.81	21.59	22.46	22.14	23.01	23.62
	6H	19.35	20.09	19.94	20.68	21.29	23.18	23.92	23.77	24.51	25.12
	8H	19.53	20.19	20.12	20.80	21.42	24.07	24.73	24.66	25.33	25.96
	12H	19.64	20.23	20.24	20.82	21.51	25.09	25.68	25.69	26.28	26.97
12H	4H	18.97	19.76	19.54	20.34	20.95	21.60	22.39	22.17	22.97	23.58
	6H	19.63	20.30	20.23	20.90	21.52	23.22	23.88	23.81	24.48	25.11
	8H	19.90	20.49	20.50	21.09	21.78	24.17	24.76	24.77	25.35	26.04