

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: P1357569

Luminaire Tested: 8ASL4-5HE-2-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 8ASL4-5HE-2-92765-UNV_3500K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

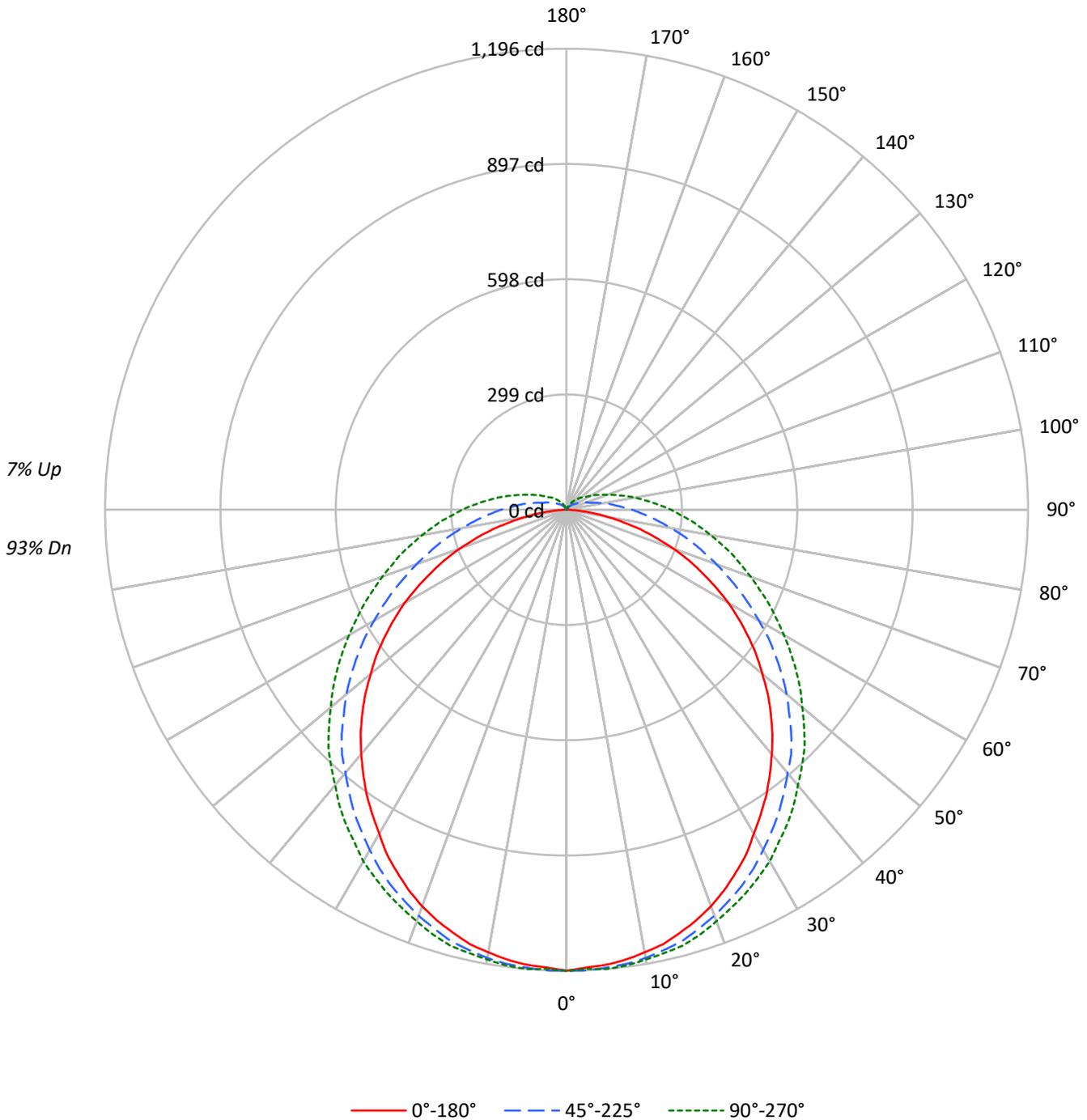
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4106.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	2.8
10°-20°	326.0	7.9
20°-30°	494.0	12.0
30°-40°	597.5	14.6
40°-50°	629.9	15.3
50°-60°	587.9	14.3
60°-70°	485.4	11.8
70°-80°	352.1	8.6
80°-90°	222.5	5.4
90°-100°	132.8	3.2
100°-110°	76.1	1.9
110°-120°	43.2	1.1
120°-130°	24.7	0.6
130°-140°	13.3	0.3
140°-150°	5.9	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	933.5	22.7
0°-40°	1531.0	37.3
0°-60°	2748.9	66.9
0°-90°	3808.9	92.8
90°-120°	252.2	6.1
90°-150°	296.0	7.2
90°-180°	297.0	7.2
0°-180°	4106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1185	1196	1192	1192	1196	113
15°	1136	1151	1158	1162	1170	321
25°	1038	1053	1076	1091	1098	478
35°	903	925	959	985	997	564
45°	748	779	824	858	873	577
55°	576	609	662	707	726	514
65°	387	429	493	553	579	385
75°	199	252	342	414	444	210
85°	38	117	218	293	324	46
90°	0	72	169	241	271	2
95°	0	45	128	196	222	0
105°	0	15	72	124	143	0
115°	0	8	41	75	90	0
125°	0	4	26	49	56	0
135°	0	0	15	30	38	0
145°	0	0	8	19	23	0
155°	0	0	0	4	8	0
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°	1196.0	1196.0	1196.0	1196.0	1196.0
2.5°	1188.5	1199.8	1196.0	1192.3	1192.3
5°	1184.8	1196.0	1192.3	1192.3	1196.0
7.5°	1177.2	1188.5	1188.5	1188.5	1192.3
10°	1165.9	1181.0	1181.0	1181.0	1184.8
12.5°	1154.7	1165.9	1169.7	1173.5	1177.2
15°	1135.9	1150.9	1158.4	1162.2	1169.7
17.5°	1117.1	1128.3	1139.6	1150.9	1154.7
20°	1094.5	1109.5	1120.8	1132.1	1135.9
22.5°	1068.2	1083.2	1098.2	1109.5	1117.1
25°	1038.1	1053.1	1075.7	1090.7	1098.2
27.5°	1008.0	1023.0	1049.4	1068.2	1075.7
30°	970.4	992.9	1019.3	1041.8	1053.1
32.5°	936.5	959.1	989.2	1015.5	1023.0
35°	902.7	925.2	959.1	985.4	996.7
37.5°	865.1	891.4	925.2	955.3	966.6
40°	827.4	853.8	891.4	925.2	932.8
42.5°	789.8	816.2	861.3	891.4	902.7
45°	748.5	778.6	823.7	857.5	872.6
47.5°	707.1	737.2	782.3	819.9	835.0
50°	662.0	695.8	744.7	782.3	797.4
52.5°	620.6	654.4	703.3	744.7	763.5
55°	575.5	609.3	662.0	707.1	725.9
57.5°	530.3	564.2	620.6	669.5	688.3
60°	485.2	519.0	575.5	631.9	650.7
62.5°	436.3	473.9	534.1	590.5	613.1
65°	387.4	428.8	492.7	552.9	579.2
67.5°	342.3	383.6	451.3	519.0	541.6
70°	293.4	338.5	413.7	481.4	507.8
72.5°	244.5	293.4	376.1	447.6	473.9
75°	199.3	252.0	342.3	413.7	443.8
77.5°	150.4	214.4	308.4	383.6	410.0
80°	109.1	176.8	274.6	353.5	379.9
82.5°	71.5	142.9	244.5	323.5	349.8
85°	37.6	116.6	218.1	293.4	323.5
87.5°	11.3	90.3	191.8	267.0	293.4
90°	0.0	71.5	169.3	240.7	270.8
92.5°	0.0	56.4	146.7	218.1	244.5
95°	0.0	45.1	127.9	195.6	221.9
97.5°	0.0	37.6	112.8	176.8	199.3
100°	0.0	30.1	97.8	158.0	180.5
102.5°	0.0	22.6	82.7	139.2	161.7
105°	0.0	15.0	71.5	124.1	142.9
107.5°	0.0	11.3	60.2	109.1	127.9
110°	0.0	11.3	56.4	94.0	112.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.5	48.9	86.5	101.6
115°	0.0	7.5	41.4	75.2	90.3
117.5°	0.0	7.5	37.6	67.7	82.7
120°	0.0	7.5	33.9	60.2	71.5
122.5°	0.0	3.8	30.1	52.7	63.9
125°	0.0	3.8	26.3	48.9	56.4
127.5°	0.0	3.8	22.6	45.1	52.7
130°	0.0	3.8	22.6	41.4	48.9
132.5°	0.0	0.0	18.8	37.6	45.1
135°	0.0	0.0	15.0	30.1	37.6
137.5°	0.0	0.0	15.0	26.3	33.9
140°	0.0	0.0	11.3	26.3	30.1
142.5°	0.0	0.0	7.5	22.6	26.3
145°	0.0	0.0	7.5	18.8	22.6
147.5°	0.0	0.0	3.8	15.0	18.8
150°	0.0	0.0	3.8	11.3	15.0
152.5°	0.0	0.0	0.0	7.5	11.3
155°	0.0	0.0	0.0	3.8	7.5
157.5°	0.0	0.0	0.0	0.0	3.8
160°	0.0	0.0	0.0	0.0	0.0
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	14.81	16.34	15.28	16.80	17.29	16.91	18.44	17.38	18.90	19.39
	3H	16.31	17.71	16.79	18.18	18.71	19.38	20.78	19.86	21.25	21.78
	4H	16.79	18.12	17.29	18.60	19.15	20.60	21.93	21.11	22.42	22.96
	6H	17.06	18.30	17.58	18.80	19.36	21.90	23.14	22.42	23.64	24.20
	8H	17.12	18.30	17.65	18.83	19.39	22.59	23.77	23.12	24.30	24.86
	12H	17.13	18.27	17.67	18.79	19.38	23.35	24.49	23.89	25.01	25.60
4H	2H	15.69	17.02	16.20	17.51	18.05	17.34	18.66	17.84	19.15	19.70
	3H	17.44	18.57	17.96	19.10	19.67	20.04	21.17	20.56	21.70	22.27
	4H	18.04	19.08	18.58	19.62	20.22	21.44	22.47	21.98	23.01	23.61
	6H	18.45	19.36	19.00	19.93	20.54	22.93	23.85	23.49	24.42	25.03
	8H	18.54	19.40	19.11	19.97	20.60	23.72	24.58	24.29	25.15	25.78
	12H	18.59	19.37	19.18	19.97	20.60	24.62	25.40	25.20	25.99	26.62
8H	4H	18.75	19.61	19.31	20.18	20.80	21.66	22.52	22.22	23.08	23.71
	6H	19.34	20.07	19.93	20.68	21.31	23.33	24.06	23.92	24.67	25.30
	8H	19.52	20.18	20.13	20.80	21.45	24.26	24.92	24.87	25.54	26.18
	12H	19.65	20.23	20.26	20.84	21.55	25.34	25.93	25.95	26.53	27.24
12H	4H	18.96	19.74	19.54	20.33	20.96	21.66	22.45	22.25	23.04	23.67
	6H	19.65	20.31	20.26	20.93	21.57	23.36	24.03	23.97	24.64	25.29
	8H	19.94	20.52	20.55	21.13	21.84	24.37	24.96	24.98	25.56	26.27