

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: P1357458

Luminaire Tested: 8ASL4-15HE-2-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357458
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: 8ASL4-15HE-2-92765-UNV_6500K
Description: 8FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

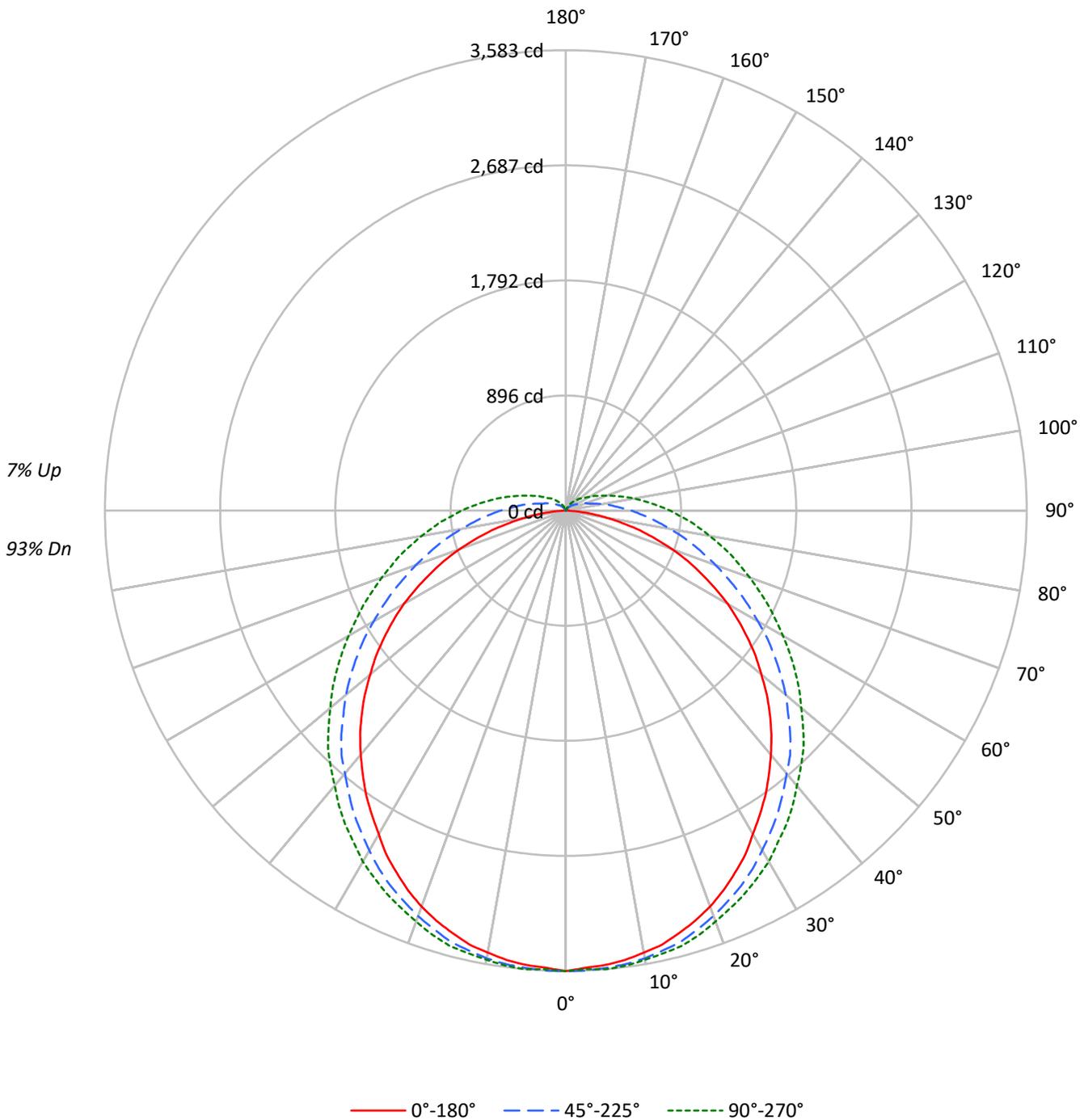
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12302.0 lumens
Efficiency: N/A
Efficacy: 113.7 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): 108.2
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14502	14502	14502
5°	14404	14226	14170
10°	14323	13974	13825
15°	14209	13697	13549
20°	14056	13344	13160
25°	13804	12996	12825
30°	13485	12597	12491
35°	13241	12226	12105
40°	12955	11825	11697
45°	12669	11481	11400
50°	12296	11024	10960
55°	11942	10531	10610
60°	11506	9977	10238
65°	10812	9464	9950
70°	10041	8985	9685
75°	8904	8625	9598
80°	7091	8315	9568
85°	4554	8358	9843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	2.8
10°-20°	976.9	7.9
20°-30°	1480.2	12.0
30°-40°	1790.3	14.6
40°-50°	1887.4	15.3
50°-60°	1761.5	14.3
60°-70°	1454.3	11.8
70°-80°	1055.0	8.6
80°-90°	666.6	5.4
90°-100°	397.9	3.2
100°-110°	228.1	1.9
110°-120°	129.5	1.1
120°-130°	73.9	0.6
130°-140°	40.0	0.3
140°-150°	17.5	0.1
150°-160°	3.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2796.9	22.7
0°-40°	4587.1	37.3
0°-60°	8236.0	66.9
0°-90°	11411.9	92.8
90°-120°	755.5	6.1
90°-150°	886.9	7.2
90°-180°	890.0	7.2
0°-180°	12302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3583	3583	3583	3583	3583	
5°	3550	3583	3572	3572	3583	337
15°	3403	3448	3471	3482	3505	960
25°	3110	3155	3223	3268	3290	1433
35°	2704	2772	2874	2952	2986	1690
45°	2242	2333	2468	2569	2614	1729
55°	1724	1826	1983	2118	2175	1541
65°	1161	1285	1476	1656	1735	1153
75°	597	755	1026	1240	1330	628
85°	113	349	654	879	969	138
90°	0	214	507	721	811	5
95°	0	135	383	586	665	0
105°	0	45	214	372	428	0
115°	0	22	124	225	270	0
125°	0	11	79	146	169	0
135°	0	0	45	90	113	0
145°	0	0	22	56	68	0
155°	0	0	0	11	22	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°	3583.4	3583.4	3583.4	3583.4	3583.4
2.5°	3560.9	3594.7	3583.4	3572.2	3572.2
5°	3549.6	3583.4	3572.2	3572.2	3583.4
7.5°	3527.1	3560.9	3560.9	3560.9	3572.2
10°	3493.3	3538.4	3538.4	3538.4	3549.6
12.5°	3459.5	3493.3	3504.6	3515.8	3527.1
15°	3403.1	3448.2	3470.8	3482.0	3504.6
17.5°	3346.8	3380.6	3414.4	3448.2	3459.5
20°	3279.2	3324.3	3358.1	3391.9	3403.1
22.5°	3200.3	3245.4	3290.5	3324.3	3346.8
25°	3110.2	3155.2	3222.8	3267.9	3290.5
27.5°	3020.0	3065.1	3144.0	3200.3	3222.8
30°	2907.3	2974.9	3053.8	3121.4	3155.2
32.5°	2805.9	2873.5	2963.7	3042.5	3065.1
35°	2704.5	2772.1	2873.5	2952.4	2986.2
37.5°	2591.8	2670.7	2772.1	2862.2	2896.1
40°	2479.1	2558.0	2670.7	2772.1	2794.6
42.5°	2366.4	2445.3	2580.5	2670.7	2704.5
45°	2242.5	2332.6	2467.8	2569.3	2614.3
47.5°	2118.5	2208.7	2343.9	2456.6	2501.7
50°	1983.3	2084.7	2231.2	2343.9	2389.0
52.5°	1859.3	1960.8	2107.2	2231.2	2287.5
55°	1724.1	1825.5	1983.3	2118.5	2174.9
57.5°	1588.9	1690.3	1859.3	2005.8	2062.2
60°	1453.7	1555.1	1724.1	1893.1	1949.5
62.5°	1307.2	1419.9	1600.2	1769.2	1836.8
65°	1160.7	1284.6	1476.2	1656.5	1735.4
67.5°	1025.5	1149.4	1352.2	1555.1	1622.7
70°	879.0	1014.2	1239.6	1442.4	1521.3
72.5°	732.5	879.0	1126.9	1341.0	1419.9
75°	597.2	755.0	1025.5	1239.6	1329.7
77.5°	450.7	642.3	924.0	1149.4	1228.3
80°	326.8	529.6	822.6	1059.3	1138.1
82.5°	214.1	428.2	732.5	969.1	1048.0
85°	112.7	349.3	653.6	879.0	969.1
87.5°	33.8	270.4	574.7	800.1	879.0
90°	0.0	214.1	507.1	721.2	811.3
92.5°	0.0	169.0	439.5	653.6	732.5
95°	0.0	135.2	383.1	586.0	664.9
97.5°	0.0	112.7	338.1	529.6	597.2
100°	0.0	90.1	293.0	473.3	540.9
102.5°	0.0	67.6	247.9	416.9	484.6
105°	0.0	45.1	214.1	371.9	428.2
107.5°	0.0	33.8	180.3	326.8	383.1
110°	0.0	33.8	169.0	281.7	338.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.5	146.5	259.2	304.3
115°	0.0	22.5	124.0	225.4	270.4
117.5°	0.0	22.5	112.7	202.8	247.9
120°	0.0	22.5	101.4	180.3	214.1
122.5°	0.0	11.3	90.1	157.8	191.6
125°	0.0	11.3	78.9	146.5	169.0
127.5°	0.0	11.3	67.6	135.2	157.8
130°	0.0	11.3	67.6	124.0	146.5
132.5°	0.0	0.0	56.3	112.7	135.2
135°	0.0	0.0	45.1	90.1	112.7
137.5°	0.0	0.0	45.1	78.9	101.4
140°	0.0	0.0	33.8	78.9	90.1
142.5°	0.0	0.0	22.5	67.6	78.9
145°	0.0	0.0	22.5	56.3	67.6
147.5°	0.0	0.0	11.3	45.1	56.3
150°	0.0	0.0	11.3	33.8	45.1
152.5°	0.0	0.0	0.0	22.5	33.8
155°	0.0	0.0	0.0	11.3	22.5
157.5°	0.0	0.0	0.0	0.0	11.3
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	18.62	20.15	19.09	20.61	21.10	20.72	22.26	21.19	22.72	23.21
	3H	20.12	21.52	20.61	21.99	22.52	23.19	24.59	23.68	25.06	25.59
	4H	20.60	21.93	21.11	22.42	22.96	24.42	25.75	24.92	26.23	26.78
	6H	20.87	22.11	21.39	22.61	23.17	25.72	26.95	26.24	27.45	28.01
	8H	20.93	22.11	21.46	22.64	23.20	26.40	27.58	26.93	28.11	28.67
	12H	20.94	22.08	21.48	22.60	23.19	27.17	28.30	27.70	28.82	29.42
4H	2H	19.51	20.83	20.01	21.32	21.87	21.15	22.48	21.66	22.96	23.51
	3H	21.25	22.38	21.77	22.91	23.48	23.85	24.98	24.37	25.51	26.08
	4H	21.86	22.89	22.40	23.43	24.03	25.25	26.29	25.79	26.83	27.43
	6H	22.26	23.17	22.82	23.74	24.35	26.75	27.66	27.30	28.23	28.84
	8H	22.36	23.22	22.92	23.78	24.41	27.54	28.40	28.10	28.96	29.59
	12H	22.40	23.19	22.99	23.78	24.41	28.43	29.21	29.01	29.81	30.44
8H	4H	22.56	23.42	23.13	23.99	24.62	25.47	26.33	26.03	26.90	27.52
	6H	23.15	23.88	23.75	24.49	25.12	27.14	27.87	27.74	28.48	29.11
	8H	23.34	24.00	23.94	24.62	25.26	28.07	28.73	28.68	29.35	29.99
	12H	23.46	24.05	24.07	24.65	25.36	29.15	29.74	29.76	30.35	31.06
12H	4H	22.77	23.55	23.35	24.15	24.78	25.48	26.26	26.06	26.85	27.49
	6H	23.46	24.12	24.07	24.74	25.38	27.18	27.84	27.78	28.46	29.10
	8H	23.75	24.34	24.36	24.94	25.65	28.18	28.77	28.79	29.38	30.09