

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: P1357453

Luminaire Tested: 8ASL4-15HE-2-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357453
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_2700K
Description: 8FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

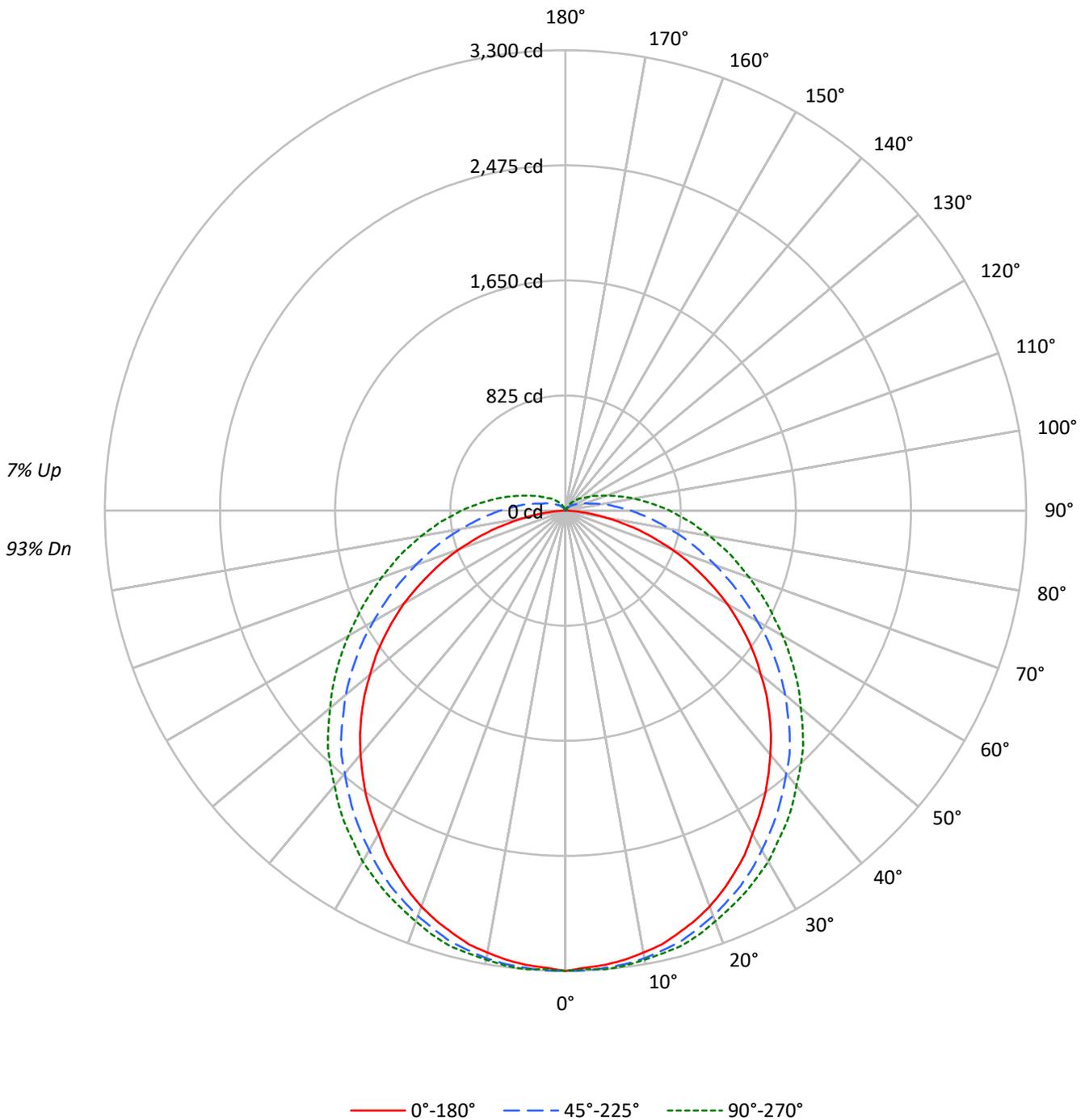
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11328.0 lumens
Efficiency: N/A
Efficacy: 104.7 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				
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°	13354	13354	13354
5°	13264	13099	13048
10°	13189	12867	12731
15°	13084	12613	12476
20°	12943	12288	12118
25°	12711	11967	11809
30°	12417	11599	11502
35°	12192	11258	11146
40°	11929	10889	10771
45°	11666	10573	10497
50°	11322	10151	10092
55°	10997	9698	9770
60°	10595	9187	9427
65°	9956	8715	9162
70°	9246	8273	8918
75°	8201	7942	8838
80°	6529	7657	8810
85°	4194	7696	9064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11666 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	2.8
10°-20°	899.5	7.9
20°-30°	1363.0	12.0
30°-40°	1648.5	14.6
40°-50°	1737.9	15.3
50°-60°	1622.0	14.3
60°-70°	1339.2	11.8
70°-80°	971.5	8.6
80°-90°	613.8	5.4
90°-100°	366.4	3.2
100°-110°	210.0	1.9
110°-120°	119.3	1.1
120°-130°	68.0	0.6
130°-140°	36.8	0.3
140°-150°	16.1	0.1
150°-160°	2.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2575.4	22.7
0°-40°	4223.9	37.3
0°-60°	7583.9	66.9
0°-90°	10508.4	92.8
90°-120°	695.7	6.1
90°-150°	816.7	7.2
90°-180°	820.0	7.2
0°-180°	11328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3300	3300	3300	3300	3300	
5°	3269	3300	3289	3289	3300	310
15°	3134	3175	3196	3206	3227	884
25°	2864	2905	2968	3009	3030	1319
35°	2490	2553	2646	2719	2750	1556
45°	2065	2148	2272	2366	2407	1592
55°	1588	1681	1826	1951	2003	1419
65°	1069	1183	1359	1525	1598	1061
75°	550	695	944	1141	1224	578
85°	104	322	602	809	892	127
90°	0	197	467	664	747	4
95°	0	124	353	540	612	0
105°	0	42	197	342	394	0
115°	0	21	114	208	249	0
125°	0	10	73	135	156	0
135°	0	0	42	83	104	0
145°	0	0	21	52	62	0
155°	0	0	0	10	21	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°	3299.7	3299.7	3299.7	3299.7	3299.7
2.5°	3279.0	3310.1	3299.7	3289.4	3289.4
5°	3268.6	3299.7	3289.4	3289.4	3299.7
7.5°	3247.8	3279.0	3279.0	3279.0	3289.4
10°	3216.7	3258.2	3258.2	3258.2	3268.6
12.5°	3185.6	3216.7	3227.1	3237.5	3247.8
15°	3133.7	3175.2	3196.0	3206.3	3227.1
17.5°	3081.8	3113.0	3144.1	3175.2	3185.6
20°	3019.6	3061.1	3092.2	3123.3	3133.7
22.5°	2946.9	2988.4	3029.9	3061.1	3081.8
25°	2863.9	2905.4	2967.7	3009.2	3029.9
27.5°	2780.9	2822.4	2895.0	2946.9	2967.7
30°	2677.1	2739.4	2812.0	2874.3	2905.4
32.5°	2583.8	2646.0	2729.0	2801.7	2822.4
35°	2490.4	2552.6	2646.0	2718.6	2749.8
37.5°	2386.6	2459.2	2552.6	2635.6	2666.8
40°	2282.8	2355.5	2459.2	2552.6	2573.4
42.5°	2179.1	2251.7	2376.2	2459.2	2490.4
45°	2064.9	2147.9	2272.5	2365.8	2407.3
47.5°	1950.8	2033.8	2158.3	2262.1	2303.6
50°	1826.3	1919.7	2054.5	2158.3	2199.8
52.5°	1712.1	1805.5	1940.4	2054.5	2106.4
55°	1587.6	1681.0	1826.3	1950.8	2002.7
57.5°	1463.1	1556.5	1712.1	1847.0	1898.9
60°	1338.6	1432.0	1587.6	1743.3	1795.1
62.5°	1203.7	1307.4	1473.5	1629.1	1691.4
65°	1068.8	1182.9	1359.3	1525.3	1598.0
67.5°	944.3	1058.4	1245.2	1432.0	1494.2
70°	809.4	933.9	1141.4	1328.2	1400.8
72.5°	674.5	809.4	1037.7	1234.8	1307.4
75°	550.0	695.2	944.3	1141.4	1224.4
77.5°	415.1	591.5	850.9	1058.4	1131.0
80°	300.9	487.7	757.5	975.4	1048.0
82.5°	197.2	394.3	674.5	892.4	965.0
85°	103.8	321.7	601.8	809.4	892.4
87.5°	31.1	249.0	529.2	736.7	809.4
90°	0.0	197.2	466.9	664.1	747.1
92.5°	0.0	155.6	404.7	601.8	674.5
95°	0.0	124.5	352.8	539.6	612.2
97.5°	0.0	103.8	311.3	487.7	550.0
100°	0.0	83.0	269.8	435.8	498.1
102.5°	0.0	62.3	228.3	383.9	446.2
105°	0.0	41.5	197.2	342.4	394.3
107.5°	0.0	31.1	166.0	300.9	352.8
110°	0.0	31.1	155.6	259.4	311.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.8	134.9	238.7	280.2
115°	0.0	20.8	114.1	207.5	249.0
117.5°	0.0	20.8	103.8	186.8	228.3
120°	0.0	20.8	93.4	166.0	197.2
122.5°	0.0	10.4	83.0	145.3	176.4
125°	0.0	10.4	72.6	134.9	155.6
127.5°	0.0	10.4	62.3	124.5	145.3
130°	0.0	10.4	62.3	114.1	134.9
132.5°	0.0	0.0	51.9	103.8	124.5
135°	0.0	0.0	41.5	83.0	103.8
137.5°	0.0	0.0	41.5	72.6	93.4
140°	0.0	0.0	31.1	72.6	83.0
142.5°	0.0	0.0	20.8	62.3	72.6
145°	0.0	0.0	20.8	51.9	62.3
147.5°	0.0	0.0	10.4	41.5	51.9
150°	0.0	0.0	10.4	31.1	41.5
152.5°	0.0	0.0	0.0	20.8	31.1
155°	0.0	0.0	0.0	10.4	20.8
157.5°	0.0	0.0	0.0	0.0	10.4
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	18.33	19.87	18.81	20.33	20.82	20.43	21.97	20.91	22.43	22.92
	3H	19.83	21.23	20.32	21.70	22.24	22.90	24.31	23.39	24.78	25.31
	4H	20.31	21.64	20.82	22.13	22.67	24.13	25.46	24.64	25.95	26.49
	6H	20.59	21.82	21.11	22.33	22.89	25.43	26.67	25.95	27.17	27.73
	8H	20.64	21.83	21.17	22.35	22.92	26.11	27.30	26.64	27.82	28.39
	12H	20.66	21.79	21.19	22.31	22.91	26.88	28.02	27.42	28.53	29.13
4H	2H	19.22	20.55	19.73	21.04	21.58	20.86	22.19	21.37	22.68	23.22
	3H	20.96	22.09	21.48	22.62	23.19	23.56	24.69	24.08	25.23	25.79
	4H	21.57	22.61	22.11	23.15	23.75	24.96	26.00	25.50	26.54	27.14
	6H	21.97	22.89	22.53	23.45	24.07	26.46	27.38	27.02	27.94	28.55
	8H	22.07	22.93	22.63	23.50	24.12	27.25	28.11	27.81	28.68	29.30
	12H	22.12	22.90	22.70	23.49	24.12	28.14	28.92	28.73	29.52	30.15
8H	4H	22.28	23.14	22.84	23.70	24.33	25.18	26.04	25.75	26.61	27.24
	6H	22.86	23.59	23.46	24.20	24.83	26.85	27.58	27.45	28.19	28.82
	8H	23.05	23.71	23.66	24.33	24.97	27.79	28.45	28.39	29.06	29.71
	12H	23.17	23.76	23.78	24.37	25.08	28.86	29.45	29.47	30.06	30.77
12H	4H	22.48	23.26	23.07	23.86	24.49	25.19	25.97	25.78	26.57	27.20
	6H	23.17	23.83	23.78	24.45	25.10	26.89	27.55	27.50	28.17	28.81
	8H	23.46	24.05	24.07	24.66	25.37	27.89	28.48	28.50	29.09	29.80