

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: P1357454

Luminaire Tested: 8ASL4-15HE-2-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357454
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_3000K
Description: 8FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

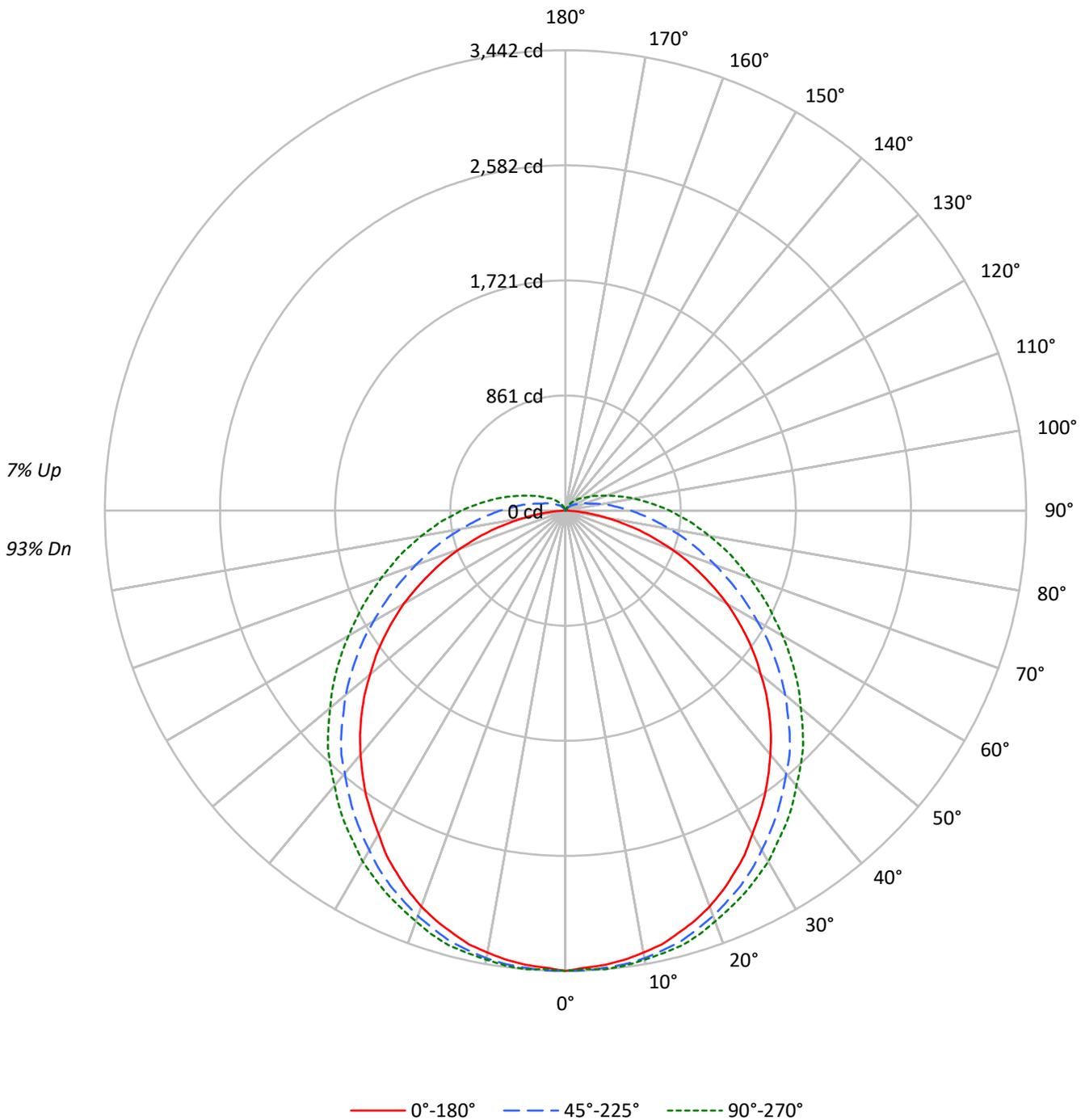
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11815.0 lumens
Efficiency: N/A
Efficacy: 109.2 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°	13928	13928	13928
5°	13834	13662	13609
10°	13756	13420	13278
15°	13646	13155	13012
20°	13500	12816	12639
25°	13258	12482	12317
30°	12951	12098	11997
35°	12716	11742	11626
40°	12443	11357	11234
45°	12168	11027	10949
50°	11809	10587	10526
55°	11470	10115	10190
60°	11050	9582	9833
65°	10384	9090	9556
70°	9643	8629	9302
75°	8552	8284	9218
80°	6811	7986	9189
85°	4372	8027	9453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	2.8
10°-20°	938.2	7.9
20°-30°	1421.6	12.0
30°-40°	1719.4	14.6
40°-50°	1812.6	15.3
50°-60°	1691.8	14.3
60°-70°	1396.7	11.8
70°-80°	1013.3	8.6
80°-90°	640.2	5.4
90°-100°	382.1	3.2
100°-110°	219.1	1.9
110°-120°	124.4	1.1
120°-130°	71.0	0.6
130°-140°	38.4	0.3
140°-150°	16.8	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2686.2	22.7
0°-40°	4405.5	37.3
0°-60°	7910.0	66.9
0°-90°	10960.2	92.8
90°-120°	725.6	6.1
90°-150°	851.8	7.2
90°-180°	855.0	7.2
0°-180°	11815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3442	3442	3442	3442	3442	
5°	3409	3442	3431	3431	3442	324
15°	3268	3312	3333	3344	3366	922
25°	2987	3030	3095	3139	3160	1376
35°	2597	2662	2760	2836	2868	1623
45°	2154	2240	2370	2468	2511	1661
55°	1656	1753	1905	2035	2089	1480
65°	1115	1234	1418	1591	1667	1107
75°	574	725	985	1190	1277	603
85°	108	336	628	844	931	132
90°	0	206	487	693	779	4
95°	0	130	368	563	638	0
105°	0	43	206	357	411	0
115°	0	22	119	216	260	0
125°	0	11	76	141	162	0
135°	0	0	43	87	108	0
145°	0	0	22	54	65	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°	3441.6	3441.6	3441.6	3441.6	3441.6
2.5°	3419.9	3452.4	3441.6	3430.8	3430.8
5°	3409.1	3441.6	3430.8	3430.8	3441.6
7.5°	3387.5	3419.9	3419.9	3419.9	3430.8
10°	3355.0	3398.3	3398.3	3398.3	3409.1
12.5°	3322.5	3355.0	3365.8	3376.7	3387.5
15°	3268.4	3311.7	3333.4	3344.2	3365.8
17.5°	3214.3	3246.8	3279.2	3311.7	3322.5
20°	3149.4	3192.7	3225.1	3257.6	3268.4
22.5°	3073.6	3116.9	3160.2	3192.7	3214.3
25°	2987.0	3030.3	3095.3	3138.6	3160.2
27.5°	2900.5	2943.7	3019.5	3073.6	3095.3
30°	2792.2	2857.2	2932.9	2997.9	3030.3
32.5°	2694.8	2759.8	2846.3	2922.1	2943.7
35°	2597.4	2662.4	2759.8	2835.5	2868.0
37.5°	2489.2	2565.0	2662.4	2748.9	2781.4
40°	2381.0	2456.7	2565.0	2662.4	2684.0
42.5°	2272.7	2348.5	2478.4	2565.0	2597.4
45°	2153.7	2240.3	2370.1	2467.6	2510.8
47.5°	2034.6	2121.2	2251.1	2359.3	2402.6
50°	1904.8	2002.2	2142.9	2251.1	2294.4
52.5°	1785.7	1883.1	2023.8	2142.9	2197.0
55°	1655.9	1753.3	1904.8	2034.6	2088.8
57.5°	1526.0	1623.4	1785.7	1926.4	1980.5
60°	1396.1	1493.5	1655.9	1818.2	1872.3
62.5°	1255.4	1363.6	1536.8	1699.1	1764.1
65°	1114.7	1233.8	1417.8	1590.9	1666.7
67.5°	984.9	1103.9	1298.7	1493.5	1558.5
70°	844.2	974.0	1190.5	1385.3	1461.1
72.5°	703.5	844.2	1082.3	1287.9	1363.6
75°	573.6	725.1	984.9	1190.5	1277.1
77.5°	432.9	616.9	887.5	1103.9	1179.7
80°	313.9	508.7	790.0	1017.3	1093.1
82.5°	205.6	411.3	703.5	930.7	1006.5
85°	108.2	335.5	627.7	844.2	930.7
87.5°	32.5	259.7	552.0	768.4	844.2
90°	0.0	205.6	487.0	692.6	779.2
92.5°	0.0	162.3	422.1	627.7	703.5
95°	0.0	129.9	368.0	562.8	638.5
97.5°	0.0	108.2	324.7	508.7	573.6
100°	0.0	86.6	281.4	454.5	519.5
102.5°	0.0	64.9	238.1	400.4	465.4
105°	0.0	43.3	205.6	357.1	411.3
107.5°	0.0	32.5	173.2	313.9	368.0
110°	0.0	32.5	162.3	270.6	324.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.6	140.7	248.9	292.2
115°	0.0	21.6	119.0	216.5	259.7
117.5°	0.0	21.6	108.2	194.8	238.1
120°	0.0	21.6	97.4	173.2	205.6
122.5°	0.0	10.8	86.6	151.5	184.0
125°	0.0	10.8	75.8	140.7	162.3
127.5°	0.0	10.8	64.9	129.9	151.5
130°	0.0	10.8	64.9	119.0	140.7
132.5°	0.0	0.0	54.1	108.2	129.9
135°	0.0	0.0	43.3	86.6	108.2
137.5°	0.0	0.0	43.3	75.8	97.4
140°	0.0	0.0	32.5	75.8	86.6
142.5°	0.0	0.0	21.6	64.9	75.8
145°	0.0	0.0	21.6	54.1	64.9
147.5°	0.0	0.0	10.8	43.3	54.1
150°	0.0	0.0	10.8	32.5	43.3
152.5°	0.0	0.0	0.0	21.6	32.5
155°	0.0	0.0	0.0	10.8	21.6
157.5°	0.0	0.0	0.0	0.0	10.8
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	18.48	20.01	18.95	20.47	20.96	20.58	22.12	21.05	22.58	23.07
	3H	19.98	21.38	20.47	21.85	22.38	23.05	24.45	23.54	24.92	25.45
	4H	20.46	21.79	20.97	22.28	22.82	24.28	25.60	24.78	26.09	26.64
	6H	20.73	21.97	21.25	22.47	23.03	25.58	26.81	26.10	27.31	27.87
	8H	20.79	21.97	21.32	22.50	23.06	26.26	27.44	26.79	27.97	28.53
	12H	20.80	21.94	21.34	22.46	23.05	27.02	28.16	27.56	28.68	29.28
4H	2H	19.37	20.69	19.87	21.18	21.73	21.01	22.34	21.52	22.82	23.37
	3H	21.11	22.24	21.63	22.77	23.34	23.71	24.84	24.23	25.37	25.94
	4H	21.72	22.75	22.26	23.29	23.89	25.11	26.15	25.65	26.69	27.29
	6H	22.12	23.03	22.68	23.60	24.21	26.61	27.52	27.16	28.09	28.70
	8H	22.21	23.08	22.78	23.64	24.27	27.40	28.26	27.96	28.82	29.45
	12H	22.26	23.05	22.85	23.64	24.27	28.29	29.07	28.87	29.67	30.30
8H	4H	22.42	23.28	22.99	23.85	24.48	25.33	26.19	25.89	26.76	27.38
	6H	23.01	23.74	23.61	24.35	24.98	27.00	27.73	27.59	28.34	28.97
	8H	23.20	23.86	23.80	24.48	25.12	27.93	28.59	28.54	29.21	29.85
	12H	23.32	23.91	23.93	24.51	25.22	29.01	29.60	29.62	30.21	30.92
12H	4H	22.63	23.41	23.21	24.01	24.64	25.34	26.12	25.92	26.71	27.34
	6H	23.32	23.98	23.93	24.60	25.24	27.04	27.70	27.64	28.32	28.96
	8H	23.61	24.20	24.22	24.80	25.51	28.04	28.63	28.65	29.24	29.95