

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: P1357455

Luminaire Tested: 8ASL4-15HE-2-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357455
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_3500K
Description: 8FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

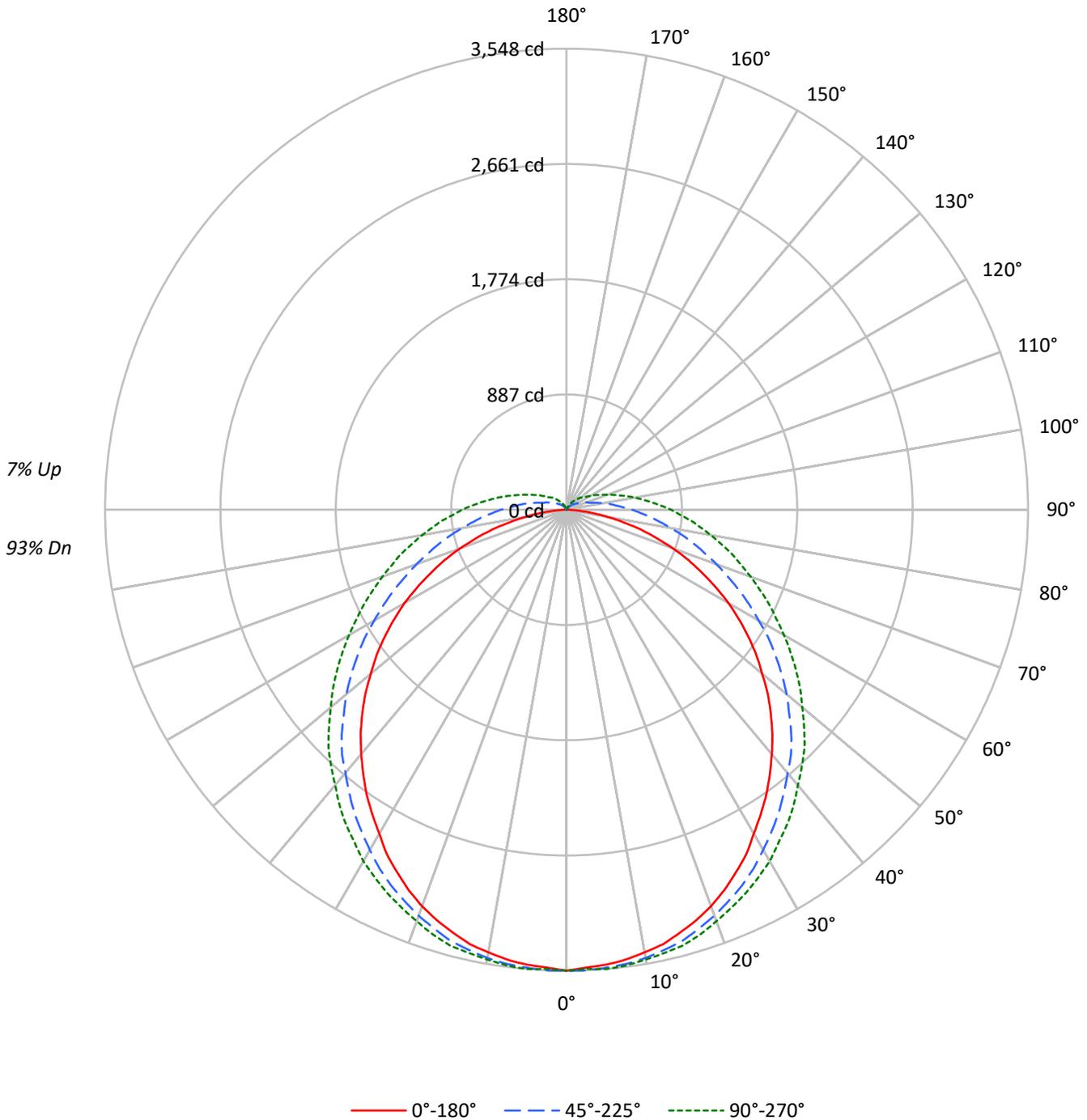
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12180.0 lumens
Efficiency: N/A
Efficacy: 112.6 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°	14359	14359	14359
5°	14261	14085	14030
10°	14181	13835	13688
15°	14068	13561	13415
20°	13917	13212	13029
25°	13667	12867	12697
30°	13351	12472	12367
35°	13109	12105	11985
40°	12827	11708	11581
45°	12543	11368	11287
50°	12174	10914	10851
55°	11824	10427	10505
60°	11391	9878	10137
65°	10705	9370	9852
70°	9940	8896	9589
75°	8816	8539	9503
80°	7022	8233	9474
85°	4509	8275	9745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.5	2.8
10°-20°	967.2	7.9
20°-30°	1465.5	12.0
30°-40°	1772.5	14.6
40°-50°	1868.6	15.3
50°-60°	1744.0	14.3
60°-70°	1439.9	11.8
70°-80°	1044.6	8.6
80°-90°	660.0	5.4
90°-100°	394.0	3.2
100°-110°	225.8	1.9
110°-120°	128.2	1.1
120°-130°	73.2	0.6
130°-140°	39.6	0.3
140°-150°	17.4	0.1
150°-160°	3.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2769.1	22.7
0°-40°	4541.6	37.3
0°-60°	8154.3	66.9
0°-90°	11298.8	92.8
90°-120°	748.0	6.1
90°-150°	878.1	7.2
90°-180°	881.0	7.2
0°-180°	12180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3548	3548	3548	3548	3548	
5°	3514	3548	3537	3537	3548	334
15°	3369	3414	3436	3448	3470	951
25°	3079	3124	3191	3236	3258	1418
35°	2678	2745	2845	2923	2957	1673
45°	2220	2310	2443	2544	2588	1712
55°	1707	1807	1964	2098	2153	1526
65°	1149	1272	1462	1640	1718	1141
75°	591	748	1015	1227	1316	622
85°	112	346	647	870	960	136
90°	0	212	502	714	803	5
95°	0	134	379	580	658	0
105°	0	45	212	368	424	0
115°	0	22	123	223	268	0
125°	0	11	78	145	167	0
135°	0	0	45	89	112	0
145°	0	0	22	56	67	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°	3547.9	3547.9	3547.9	3547.9	3547.9
2.5°	3525.6	3559.1	3547.9	3536.8	3536.8
5°	3514.4	3547.9	3536.8	3536.8	3547.9
7.5°	3492.1	3525.6	3525.6	3525.6	3536.8
10°	3458.7	3503.3	3503.3	3503.3	3514.4
12.5°	3425.2	3458.7	3469.8	3481.0	3492.1
15°	3369.4	3414.0	3436.3	3447.5	3469.8
17.5°	3313.6	3347.1	3380.6	3414.0	3425.2
20°	3246.7	3291.3	3324.8	3358.2	3369.4
22.5°	3168.6	3213.2	3257.8	3291.3	3313.6
25°	3079.3	3123.9	3190.9	3235.5	3257.8
27.5°	2990.1	3034.7	3112.8	3168.6	3190.9
30°	2878.5	2945.4	3023.5	3090.5	3123.9
32.5°	2778.1	2845.0	2934.3	3012.4	3034.7
35°	2677.7	2744.6	2845.0	2923.1	2956.6
37.5°	2566.1	2644.2	2744.6	2833.9	2867.3
40°	2454.5	2532.6	2644.2	2744.6	2766.9
42.5°	2343.0	2421.1	2554.9	2644.2	2677.7
45°	2220.2	2309.5	2443.4	2543.8	2588.4
47.5°	2097.5	2186.8	2320.6	2432.2	2476.8
50°	1963.6	2064.0	2209.1	2320.6	2365.3
52.5°	1840.9	1941.3	2086.3	2209.1	2264.9
55°	1707.0	1807.4	1963.6	2097.5	2153.3
57.5°	1573.1	1673.5	1840.9	1985.9	2041.7
60°	1439.2	1539.7	1707.0	1874.4	1930.2
62.5°	1294.2	1405.8	1584.3	1751.6	1818.6
65°	1149.2	1271.9	1461.6	1640.1	1718.2
67.5°	1015.3	1138.0	1338.8	1539.7	1606.6
70°	870.2	1004.1	1227.3	1428.1	1506.2
72.5°	725.2	870.2	1115.7	1327.7	1405.8
75°	591.3	747.5	1015.3	1227.3	1316.5
77.5°	446.3	635.9	914.9	1138.0	1216.1
80°	323.6	524.4	814.5	1048.8	1126.9
82.5°	212.0	424.0	725.2	959.5	1037.6
85°	111.6	345.9	647.1	870.2	959.5
87.5°	33.5	267.8	569.0	792.1	870.2
90°	0.0	212.0	502.1	714.0	803.3
92.5°	0.0	167.4	435.1	647.1	725.2
95°	0.0	133.9	379.3	580.2	658.3
97.5°	0.0	111.6	334.7	524.4	591.3
100°	0.0	89.3	290.1	468.6	535.5
102.5°	0.0	66.9	245.5	412.8	479.7
105°	0.0	44.6	212.0	368.2	424.0
107.5°	0.0	33.5	178.5	323.6	379.3
110°	0.0	33.5	167.4	278.9	334.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.3	145.0	256.6	301.2
115°	0.0	22.3	122.7	223.1	267.8
117.5°	0.0	22.3	111.6	200.8	245.5
120°	0.0	22.3	100.4	178.5	212.0
122.5°	0.0	11.2	89.3	156.2	189.7
125°	0.0	11.2	78.1	145.0	167.4
127.5°	0.0	11.2	66.9	133.9	156.2
130°	0.0	11.2	66.9	122.7	145.0
132.5°	0.0	0.0	55.8	111.6	133.9
135°	0.0	0.0	44.6	89.3	111.6
137.5°	0.0	0.0	44.6	78.1	100.4
140°	0.0	0.0	33.5	78.1	89.3
142.5°	0.0	0.0	22.3	66.9	78.1
145°	0.0	0.0	22.3	55.8	66.9
147.5°	0.0	0.0	11.2	44.6	55.8
150°	0.0	0.0	11.2	33.5	44.6
152.5°	0.0	0.0	0.0	22.3	33.5
155°	0.0	0.0	0.0	11.2	22.3
157.5°	0.0	0.0	0.0	0.0	11.2
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	18.58	20.12	19.06	20.58	21.07	20.69	22.22	21.16	22.68	23.17
	3H	20.09	21.49	20.57	21.96	22.49	23.16	24.56	23.64	25.03	25.56
	4H	20.57	21.89	21.07	22.38	22.92	24.38	25.71	24.89	26.20	26.74
	6H	20.84	22.08	21.36	22.58	23.14	25.68	26.92	26.20	27.42	27.98
	8H	20.89	22.08	21.42	22.60	23.17	26.36	27.55	26.90	28.07	28.64
	12H	20.91	22.05	21.45	22.56	23.16	27.13	28.27	27.67	28.79	29.38
4H	2H	19.47	20.80	19.98	21.29	21.83	21.11	22.44	21.62	22.93	23.47
	3H	21.21	22.35	21.73	22.88	23.44	23.81	24.95	24.33	25.48	26.04
	4H	21.82	22.86	22.36	23.40	24.00	25.21	26.25	25.75	26.79	27.39
	6H	22.22	23.14	22.78	23.71	24.32	26.71	27.63	27.27	28.19	28.81
	8H	22.32	23.18	22.88	23.75	24.37	27.50	28.36	28.07	28.93	29.56
	12H	22.37	23.15	22.95	23.75	24.38	28.39	29.18	28.98	29.77	30.40
8H	4H	22.53	23.39	23.09	23.96	24.58	25.43	26.30	26.00	26.86	27.49
	6H	23.11	23.85	23.71	24.45	25.09	27.10	27.84	27.70	28.44	29.08
	8H	23.30	23.96	23.91	24.58	25.22	28.04	28.70	28.65	29.32	29.96
	12H	23.42	24.01	24.03	24.62	25.33	29.12	29.71	29.73	30.31	31.02
12H	4H	22.73	23.52	23.32	24.11	24.74	25.44	26.23	26.03	26.82	27.45
	6H	23.42	24.09	24.03	24.70	25.35	27.14	27.80	27.75	28.42	29.07
	8H	23.71	24.30	24.32	24.91	25.62	28.14	28.73	28.76	29.34	30.05