

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: P1356846

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

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356846
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: 2ASL4-15HE-2-92765-UNV_6500K
Description: 2FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

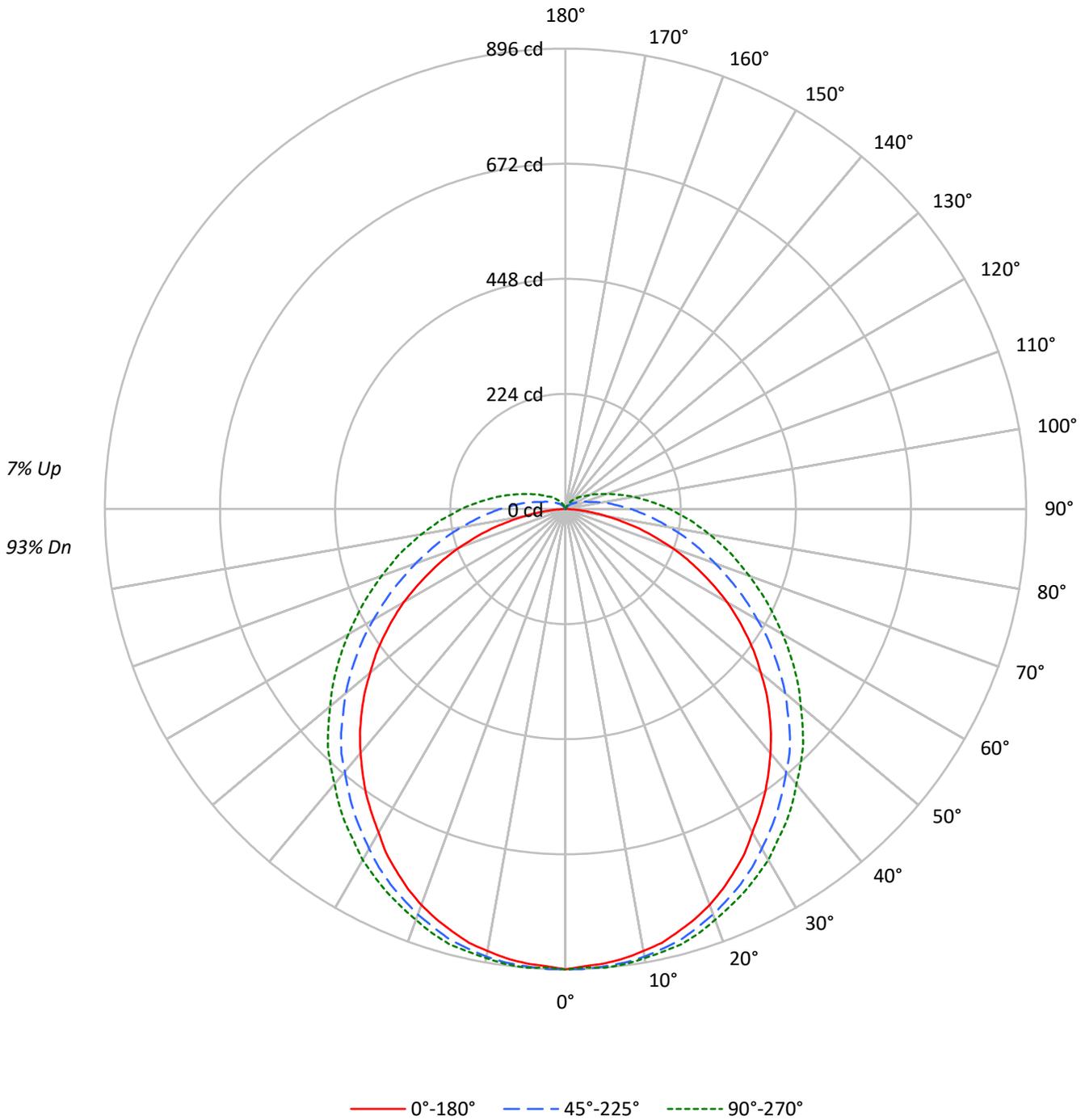
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3076.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 27.1
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°	14619	14619	14619
5°	14471	14306	14284
10°	14339	14019	13937
15°	14173	13710	13658
20°	13968	13327	13265
25°	13665	12948	12927
30°	13291	12520	12591
35°	12990	12120	12203
40°	12645	11691	11792
45°	12291	11317	11492
50°	11845	10829	11047
55°	11406	10306	10696
60°	10871	9721	10321
65°	10067	9172	10030
70°	9161	8649	9764
75°	7867	8232	9676
80°	5912	7843	9646
85°	3296	7742	9921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	2.8
10°-20°	244.3	7.9
20°-30°	370.1	12.0
30°-40°	447.6	14.6
40°-50°	471.9	15.3
50°-60°	440.5	14.3
60°-70°	363.6	11.8
70°-80°	263.8	8.6
80°-90°	166.7	5.4
90°-100°	99.5	3.2
100°-110°	57.0	1.9
110°-120°	32.4	1.1
120°-130°	18.5	0.6
130°-140°	10.0	0.3
140°-150°	4.4	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	699.3	22.7
0°-40°	1147.0	37.3
0°-60°	2059.3	66.9
0°-90°	2853.4	92.8
90°-120°	188.9	6.1
90°-150°	221.8	7.2
90°-180°	223.0	7.2
0°-180°	3076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	888	896	893	893	896	84
15°	851	862	868	871	876	240
25°	778	789	806	817	823	358
35°	676	693	718	738	747	423
45°	561	583	617	642	654	432
55°	431	456	496	530	544	385
65°	290	321	369	414	434	288
75°	149	189	256	310	332	157
85°	28	87	163	220	242	34
90°	0	54	127	180	203	1
95°	0	34	96	146	166	0
105°	0	11	54	93	107	0
115°	0	6	31	56	68	0
125°	0	3	20	37	42	0
135°	0	0	11	22	28	0
145°	0	0	6	14	17	0
155°	0	0	0	3	6	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°	896.0	896.0	896.0	896.0	896.0
2.5°	890.4	898.8	896.0	893.2	893.2
5°	887.6	896.0	893.2	893.2	896.0
7.5°	881.9	890.4	890.4	890.4	893.2
10°	873.5	884.7	884.7	884.7	887.6
12.5°	865.0	873.5	876.3	879.1	881.9
15°	850.9	862.2	867.8	870.6	876.3
17.5°	836.8	845.3	853.7	862.2	865.0
20°	819.9	831.2	839.7	848.1	850.9
22.5°	800.2	811.5	822.7	831.2	836.8
25°	777.7	788.9	805.8	817.1	822.7
27.5°	755.1	766.4	786.1	800.2	805.8
30°	726.9	743.9	763.6	780.5	788.9
32.5°	701.6	718.5	741.0	760.8	766.4
35°	676.2	693.1	718.5	738.2	746.7
37.5°	648.1	667.8	693.1	715.7	724.1
40°	619.9	639.6	667.8	693.1	698.8
42.5°	591.7	611.4	645.2	667.8	676.2
45°	560.7	583.2	617.1	642.4	653.7
47.5°	529.7	552.3	586.1	614.2	625.5
50°	495.9	521.3	557.9	586.1	597.3
52.5°	464.9	490.3	526.9	557.9	572.0
55°	431.1	456.5	495.9	529.7	543.8
57.5°	397.3	422.6	464.9	501.5	515.6
60°	363.5	388.8	431.1	473.4	487.5
62.5°	326.8	355.0	400.1	442.4	459.3
65°	290.2	321.2	369.1	414.2	433.9
67.5°	256.4	287.4	338.1	388.8	405.7
70°	219.8	253.6	309.9	360.7	380.4
72.5°	183.1	219.8	281.8	335.3	355.0
75°	149.3	188.8	256.4	309.9	332.5
77.5°	112.7	160.6	231.0	287.4	307.1
80°	81.7	132.4	205.7	264.9	284.6
82.5°	53.5	107.1	183.1	242.3	262.0
85°	28.2	87.3	163.4	219.8	242.3
87.5°	8.5	67.6	143.7	200.1	219.8
90°	0.0	53.5	126.8	180.3	202.9
92.5°	0.0	42.3	109.9	163.4	183.1
95°	0.0	33.8	95.8	146.5	166.2
97.5°	0.0	28.2	84.5	132.4	149.3
100°	0.0	22.5	73.3	118.3	135.2
102.5°	0.0	16.9	62.0	104.3	121.2
105°	0.0	11.3	53.5	93.0	107.1
107.5°	0.0	8.5	45.1	81.7	95.8
110°	0.0	8.5	42.3	70.4	84.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	5.6	36.6	64.8	76.1
115°	0.0	5.6	31.0	56.4	67.6
117.5°	0.0	5.6	28.2	50.7	62.0
120°	0.0	5.6	25.4	45.1	53.5
122.5°	0.0	2.8	22.5	39.4	47.9
125°	0.0	2.8	19.7	36.6	42.3
127.5°	0.0	2.8	16.9	33.8	39.4
130°	0.0	2.8	16.9	31.0	36.6
132.5°	0.0	0.0	14.1	28.2	33.8
135°	0.0	0.0	11.3	22.5	28.2
137.5°	0.0	0.0	11.3	19.7	25.4
140°	0.0	0.0	8.5	19.7	22.5
142.5°	0.0	0.0	5.6	16.9	19.7
145°	0.0	0.0	5.6	14.1	16.9
147.5°	0.0	0.0	2.8	11.3	14.1
150°	0.0	0.0	2.8	8.5	11.3
152.5°	0.0	0.0	0.0	5.6	8.5
155°	0.0	0.0	0.0	2.8	5.6
157.5°	0.0	0.0	0.0	0.0	2.8
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	18.60	20.14	19.07	20.60	21.09	20.58	22.11	21.05	22.57	23.06
	3H	20.10	21.51	20.59	21.98	22.51	22.99	24.39	23.48	24.86	25.39
	4H	20.59	21.91	21.09	22.40	22.95	24.17	25.50	24.68	25.99	26.53
	6H	20.86	22.10	21.38	22.60	23.16	25.39	26.63	25.91	27.13	27.69
	8H	20.92	22.10	21.45	22.63	23.19	26.01	27.20	26.55	27.72	28.29
	12H	20.93	22.07	21.47	22.59	23.18	26.68	27.82	27.22	28.34	28.93
4H	2H	19.46	20.79	19.97	21.28	21.82	21.01	22.34	21.52	22.83	23.37
	3H	21.21	22.34	21.73	22.87	23.44	23.66	24.79	24.18	25.32	25.89
	4H	21.82	22.85	22.36	23.39	23.99	25.01	26.05	25.55	26.59	27.19
	6H	22.22	23.14	22.78	23.70	24.31	26.43	27.35	26.99	27.91	28.53
	8H	22.32	23.18	22.88	23.75	24.37	27.16	28.02	27.72	28.59	29.21
	12H	22.37	23.15	22.95	23.74	24.37	27.95	28.74	28.54	29.33	29.96
8H	4H	22.49	23.35	23.06	23.92	24.55	25.24	26.10	25.80	26.66	27.29
	6H	23.08	23.81	23.68	24.42	25.05	26.83	27.56	27.43	28.17	28.80
	8H	23.27	23.93	23.88	24.55	25.19	27.71	28.37	28.31	28.98	29.63
	12H	23.39	23.98	24.00	24.59	25.30	28.69	29.27	29.30	29.88	30.59
12H	4H	22.68	23.47	23.27	24.06	24.69	25.25	26.03	25.83	26.62	27.25
	6H	23.37	24.03	23.98	24.65	25.29	26.87	27.53	27.48	28.15	28.80
	8H	23.66	24.25	24.27	24.85	25.56	27.82	28.41	28.43	29.01	29.72