

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: P1357209

Luminaire Tested: 4ASL4-25VHE-3-92765-UNV\_3500K

Issue Date: 2/17/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1357209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: 4ASL4-25VHE-3-92765-UNV\_3500K  
Description: 4FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 3 ROW  
Light Source: -  
Ballast/Driver: -

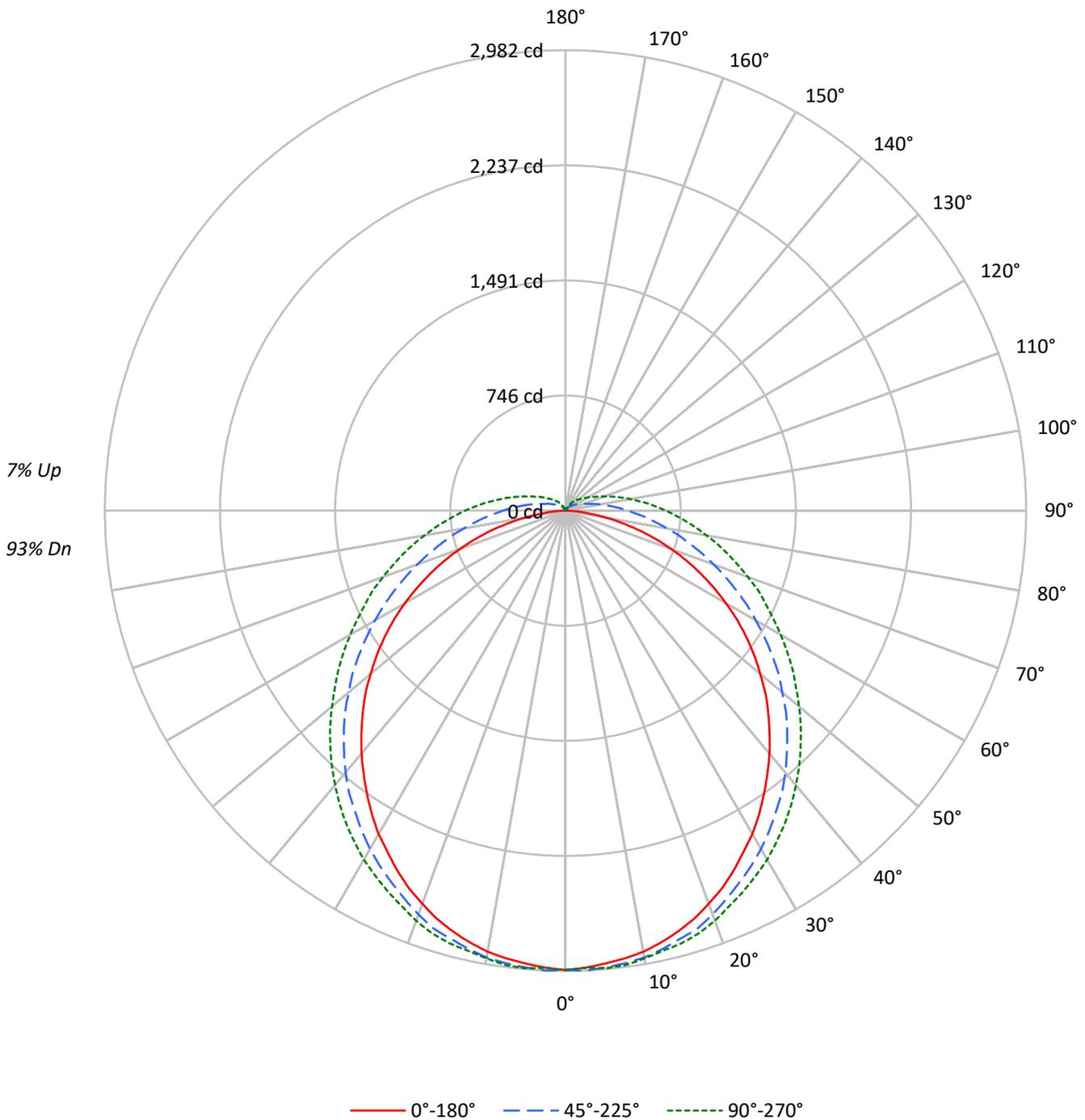
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10118.0 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 3.98' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 92.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1357209  
CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1357209  
 CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

**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	96	96	96	96	96	96	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	63	63	63	61
3	86	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	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	35	29	41	34	28	39	32	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	22	22	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	24149	24149	24149
5°	23935	23696	23597
10°	23801	23235	23000
15°	23537	22664	22494
20°	23181	22115	21924
25°	22768	21428	21275
30°	22330	20831	20726
35°	21788	20156	20115
40°	21292	19538	19472
45°	20757	18790	18826
50°	20149	17987	18155
55°	19491	17219	17552
60°	18635	16325	16940
65°	17547	15463	16431
70°	16159	14609	16033
75°	14136	13828	15761
80°	11077	13242	15644
85°	6651	13102	15875

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20757 cd/sqm



TEST NUMBER: P1357209  
 CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.2	2.8
10°-20°	810.2	8.0
20°-30°	1225.0	12.1
30°-40°	1483.3	14.7
40°-50°	1557.9	15.4
50°-60°	1453.4	14.4
60°-70°	1201.2	11.9
70°-80°	864.9	8.5
80°-90°	537.4	5.3
90°-100°	314.9	3.1
100°-110°	180.1	1.8
110°-120°	101.7	1.0
120°-130°	58.5	0.6
130°-140°	31.5	0.3
140°-150°	13.3	0.1
150°-160°	2.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2317.4	22.9
0°-40°	3800.6	37.6
0°-60°	6812.0	67.3
0°-90°	9415.5	93.1
90°-120°	596.8	5.9
90°-150°	700.1	6.9
90°-180°	703.0	6.9
0°-180°	10118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2976	2976	2976	2976	2976	
5°	2945	2970	2970	2970	2976	280
15°	2821	2858	2871	2889	2902	795
25°	2574	2617	2660	2697	2722	1185
35°	2240	2302	2376	2444	2475	1402
45°	1856	1924	2029	2116	2153	1432
55°	1429	1510	1633	1751	1794	1277
65°	965	1058	1219	1374	1429	955
75°	495	619	835	1015	1089	523
85°	93	278	526	712	780	114
90°	0	167	402	575	650	4
95°	0	105	303	464	532	0
105°	0	37	167	291	340	0
115°	0	19	99	179	210	0
125°	0	12	62	118	136	0
135°	0	0	37	74	93	0
145°	0	0	19	43	50	0
155°	0	0	0	12	19	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357209  
 CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2975.8	2975.8	2975.8	2975.8	2975.8
2.5°	2963.5	2982.0	2982.0	2963.5	2963.5
5°	2944.9	2969.7	2969.7	2969.7	2975.8
7.5°	2926.3	2957.3	2957.3	2957.3	2969.7
10°	2901.6	2932.5	2938.7	2938.7	2944.9
12.5°	2864.5	2901.6	2907.8	2914.0	2920.2
15°	2821.2	2858.3	2870.7	2889.2	2901.6
17.5°	2771.7	2815.0	2839.7	2858.3	2870.7
20°	2709.8	2753.1	2784.0	2808.8	2827.4
22.5°	2647.9	2685.1	2722.2	2753.1	2771.7
25°	2573.7	2617.0	2660.3	2697.4	2722.2
27.5°	2493.3	2542.8	2598.4	2641.8	2666.5
30°	2419.0	2468.5	2530.4	2586.1	2610.8
32.5°	2332.4	2388.1	2456.2	2511.8	2542.8
35°	2239.6	2301.5	2375.7	2443.8	2474.7
37.5°	2146.8	2208.7	2301.5	2369.5	2400.5
40°	2054.0	2115.9	2214.9	2289.1	2320.0
42.5°	1955.0	2016.9	2122.1	2202.5	2239.6
45°	1856.0	1924.1	2029.3	2115.9	2153.0
47.5°	1757.0	1825.1	1936.5	2029.3	2066.4
50°	1645.7	1719.9	1831.3	1936.5	1973.6
52.5°	1540.5	1614.7	1738.5	1843.7	1880.8
55°	1429.1	1509.6	1633.3	1750.9	1794.2
57.5°	1317.8	1398.2	1528.1	1651.9	1701.4
60°	1200.2	1286.8	1423.0	1552.9	1608.6
62.5°	1082.7	1175.5	1324.0	1460.1	1515.8
65°	965.1	1057.9	1218.8	1373.5	1429.1
67.5°	847.6	946.6	1119.8	1280.7	1348.7
70°	730.0	835.2	1020.8	1187.9	1255.9
72.5°	612.5	723.9	928.0	1101.2	1169.3
75°	494.9	618.7	835.2	1014.6	1088.9
77.5°	377.4	519.7	754.8	934.2	1008.4
80°	272.2	433.1	668.2	853.8	928.0
82.5°	173.2	346.5	593.9	779.5	853.8
85°	92.8	278.4	525.9	711.5	779.5
87.5°	30.9	216.5	457.8	643.4	711.5
90°	0.0	167.0	402.1	575.4	649.6
92.5°	0.0	129.9	352.6	519.7	587.7
95°	0.0	105.2	303.2	464.0	532.1
97.5°	0.0	86.6	266.0	414.5	476.4
100°	0.0	68.1	228.9	371.2	426.9
102.5°	0.0	55.7	198.0	327.9	383.6
105°	0.0	37.1	167.0	290.8	340.3
107.5°	0.0	30.9	142.3	259.8	303.2
110°	0.0	24.7	129.9	222.7	266.0



TEST NUMBER: P1357209

CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.6	117.5	198.0	241.3
115°	0.0	18.6	99.0	179.4	210.4
117.5°	0.0	18.6	86.6	160.9	191.8
120°	0.0	12.4	80.4	142.3	173.2
122.5°	0.0	12.4	68.1	129.9	154.7
125°	0.0	12.4	61.9	117.5	136.1
127.5°	0.0	6.2	55.7	105.2	123.7
130°	0.0	6.2	49.5	92.8	111.4
132.5°	0.0	6.2	43.3	86.6	105.2
135°	0.0	0.0	37.1	74.2	92.8
137.5°	0.0	0.0	30.9	68.1	80.4
140°	0.0	0.0	24.7	55.7	74.2
142.5°	0.0	0.0	18.6	49.5	61.9
145°	0.0	0.0	18.6	43.3	49.5
147.5°	0.0	0.0	12.4	30.9	43.3
150°	0.0	0.0	6.2	24.7	30.9
152.5°	0.0	0.0	0.0	18.6	24.7
155°	0.0	0.0	0.0	12.4	18.6
157.5°	0.0	0.0	0.0	0.0	6.2
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



TEST NUMBER: P1357209  
 CATALOG NUMBER: 4ASL4-25VHE-3-92765-UNV\_3500K

**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	20.40	21.94	20.86	22.39	22.87	22.42	23.96	22.89	24.42	24.90
	3H	21.89	23.30	22.37	23.76	24.29	24.89	26.29	25.37	26.75	27.28
	4H	22.37	23.71	22.88	24.19	24.73	26.08	27.41	26.58	27.90	28.43
	6H	22.65	23.89	23.16	24.38	24.94	27.34	28.58	27.85	29.07	29.62
	8H	22.70	23.89	23.23	24.41	24.97	27.98	29.17	28.51	29.69	30.25
	12H	22.71	23.85	23.25	24.37	24.96	28.69	29.83	29.23	30.34	30.94
4H	2H	21.27	22.60	21.78	23.09	23.62	22.86	24.19	23.36	24.67	25.21
	3H	23.01	24.14	23.52	24.67	25.23	25.55	26.68	26.06	27.21	27.77
	4H	23.61	24.65	24.15	25.19	25.78	26.91	27.95	27.45	28.49	29.08
	6H	24.01	24.93	24.56	25.49	26.10	28.36	29.28	28.91	29.84	30.44
	8H	24.10	24.97	24.66	25.53	26.15	29.11	29.97	29.67	30.54	31.16
	12H	24.15	24.93	24.73	25.52	26.15	29.95	30.73	30.53	31.32	31.94
8H	4H	24.29	25.16	24.85	25.72	26.34	27.13	27.99	27.69	28.56	29.17
	6H	24.87	25.60	25.46	26.21	26.83	28.74	29.48	29.34	30.08	30.71
	8H	25.05	25.71	25.66	26.33	26.97	29.64	30.30	30.24	30.91	31.55
	12H	25.17	25.76	25.78	26.36	27.07	30.66	31.25	31.27	31.85	32.56
12H	4H	24.49	25.27	25.07	25.86	26.49	27.14	27.92	27.72	28.51	29.14
	6H	25.17	25.83	25.77	26.44	27.08	28.78	29.44	29.39	30.06	30.70
	8H	25.45	26.04	26.05	26.64	27.34	29.74	30.33	30.35	30.94	31.64