

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: P1357227

Luminaire Tested: 4ASL4-30VHE-3-92765-UNV\_6500K

Issue Date: 2/17/2026

**Test Information**

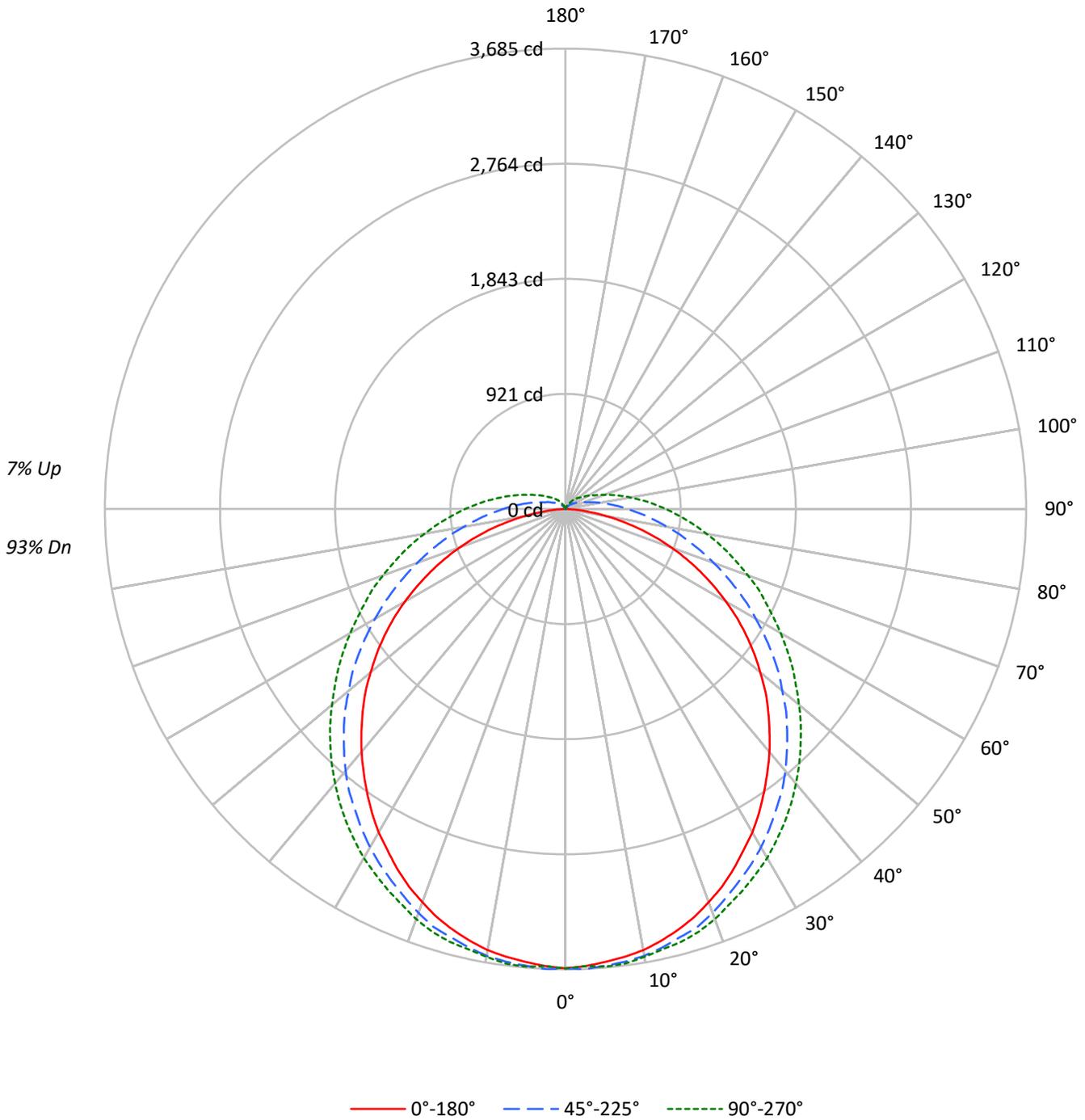
Test Method: LM-79-2019  
Report Number: P1357227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: 4ASL4-30VHE-3-92765-UNV\_6500K  
Description: 4FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 3 ROW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12503.0 lumens  
Efficiency: N/A  
Efficacy: 107.2 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): 116.6  
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: P1357227  
CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1357227  
 CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

**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°	29842	29842	29842
5°	29577	29281	29159
10°	29411	28712	28422
15°	29085	28006	27797
20°	28646	27329	27091
25°	28135	26479	26290
30°	27594	25742	25611
35°	26924	24907	24856
40°	26311	24143	24062
45°	25650	23219	23264
50°	24898	22227	22435
55°	24086	21278	21689
60°	23029	20172	20932
65°	21683	19108	20304
70°	19968	18052	19813
75°	17470	17088	19475
80°	13689	16364	19332
85°	8220	16189	19619

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25650 cd/sqm



TEST NUMBER: P1357227  
 CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.7	2.8
10°-20°	1001.2	8.0
20°-30°	1513.7	12.1
30°-40°	1832.9	14.7
40°-50°	1925.1	15.4
50°-60°	1796.0	14.4
60°-70°	1484.3	11.9
70°-80°	1068.7	8.5
80°-90°	664.1	5.3
90°-100°	389.1	3.1
100°-110°	222.6	1.8
110°-120°	125.7	1.0
120°-130°	72.3	0.6
130°-140°	39.0	0.3
140°-150°	16.4	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2863.6	22.9
0°-40°	4696.5	37.6
0°-60°	8417.6	67.3
0°-90°	11634.8	93.1
90°-120°	737.4	5.9
90°-150°	865.1	6.9
90°-180°	868.0	6.9
0°-180°	12503.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3677	3677	3677	3677	3677	
5°	3639	3670	3670	3670	3677	346
15°	3486	3532	3547	3570	3586	983
25°	3180	3234	3287	3333	3364	1465
35°	2768	2844	2936	3020	3058	1732
45°	2294	2378	2508	2615	2660	1769
55°	1766	1865	2018	2164	2217	1578
65°	1193	1307	1506	1697	1766	1180
75°	612	764	1032	1254	1346	647
85°	115	344	650	879	963	140
90°	0	206	497	711	803	5
95°	0	130	375	573	658	0
105°	0	46	206	359	420	0
115°	0	23	122	222	260	0
125°	0	15	76	145	168	0
135°	0	0	46	92	115	0
145°	0	0	23	54	61	0
155°	0	0	0	15	23	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357227  
 CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3677.3	3677.3	3677.3	3677.3	3677.3
2.5°	3662.0	3684.9	3684.9	3662.0	3662.0
5°	3639.1	3669.7	3669.7	3669.7	3677.3
7.5°	3616.1	3654.4	3654.4	3654.4	3669.7
10°	3585.6	3623.8	3631.4	3631.4	3639.1
12.5°	3539.7	3585.6	3593.2	3600.8	3608.5
15°	3486.2	3532.0	3547.3	3570.3	3585.6
17.5°	3425.0	3478.5	3509.1	3532.0	3547.3
20°	3348.6	3402.1	3440.3	3470.9	3493.8
22.5°	3272.1	3318.0	3363.9	3402.1	3425.0
25°	3180.4	3233.9	3287.4	3333.3	3363.9
27.5°	3081.0	3142.1	3210.9	3264.5	3295.0
30°	2989.2	3050.4	3126.9	3195.7	3226.2
32.5°	2882.2	2951.0	3035.1	3103.9	3142.1
35°	2767.5	2844.0	2935.7	3019.8	3058.0
37.5°	2652.9	2729.3	2844.0	2928.1	2966.3
40°	2538.2	2614.6	2737.0	2828.7	2866.9
42.5°	2415.9	2492.3	2622.3	2721.7	2767.5
45°	2293.5	2377.6	2507.6	2614.6	2660.5
47.5°	2171.2	2255.3	2392.9	2507.6	2553.5
50°	2033.6	2125.3	2263.0	2392.9	2438.8
52.5°	1903.6	1995.4	2148.3	2278.2	2324.1
55°	1766.0	1865.4	2018.3	2163.6	2217.1
57.5°	1628.4	1727.8	1888.3	2041.2	2102.4
60°	1483.2	1590.2	1758.4	1918.9	1987.7
62.5°	1337.9	1452.6	1636.1	1804.2	1873.1
65°	1192.6	1307.3	1506.1	1697.2	1766.0
67.5°	1047.4	1169.7	1383.8	1582.5	1666.6
70°	902.1	1032.1	1261.4	1467.9	1552.0
72.5°	756.9	894.5	1146.8	1360.8	1444.9
75°	611.6	764.5	1032.1	1253.8	1345.5
77.5°	466.4	642.2	932.7	1154.4	1246.2
80°	336.4	535.2	825.7	1055.0	1146.8
82.5°	214.1	428.1	733.9	963.3	1055.0
85°	114.7	344.0	649.8	879.2	963.3
87.5°	38.2	267.6	565.7	795.1	879.2
90°	0.0	206.4	496.9	711.0	802.7
92.5°	0.0	160.5	435.8	642.2	726.3
95°	0.0	130.0	374.6	573.4	657.5
97.5°	0.0	107.0	328.7	512.2	588.7
100°	0.0	84.1	282.9	458.7	527.5
102.5°	0.0	68.8	244.6	405.2	474.0
105°	0.0	45.9	206.4	359.3	420.5
107.5°	0.0	38.2	175.8	321.1	374.6
110°	0.0	30.6	160.5	275.2	328.7



TEST NUMBER: P1357227

CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.9	145.3	244.6	298.2
115°	0.0	22.9	122.3	221.7	259.9
117.5°	0.0	22.9	107.0	198.8	237.0
120°	0.0	15.3	99.4	175.8	214.1
122.5°	0.0	15.3	84.1	160.5	191.1
125°	0.0	15.3	76.5	145.3	168.2
127.5°	0.0	7.6	68.8	130.0	152.9
130°	0.0	7.6	61.2	114.7	137.6
132.5°	0.0	7.6	53.5	107.0	130.0
135°	0.0	0.0	45.9	91.7	114.7
137.5°	0.0	0.0	38.2	84.1	99.4
140°	0.0	0.0	30.6	68.8	91.7
142.5°	0.0	0.0	22.9	61.2	76.5
145°	0.0	0.0	22.9	53.5	61.2
147.5°	0.0	0.0	15.3	38.2	53.5
150°	0.0	0.0	7.6	30.6	38.2
152.5°	0.0	0.0	0.0	22.9	30.6
155°	0.0	0.0	0.0	15.3	22.9
157.5°	0.0	0.0	0.0	0.0	7.6
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: P1357227  
 CATALOG NUMBER: 4ASL4-30VHE-3-92765-UNV\_6500K

**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	21.13	22.67	21.60	23.13	23.61	23.16	24.70	23.63	25.15	25.64
	3H	22.63	24.03	23.11	24.50	25.02	25.62	27.03	26.10	27.49	28.01
	4H	23.11	24.44	23.61	24.92	25.46	26.82	28.15	27.32	28.63	29.17
	6H	23.38	24.62	23.90	25.12	25.67	28.07	29.31	28.59	29.81	30.36
	8H	23.44	24.62	23.96	25.14	25.70	28.72	29.91	29.25	30.43	30.99
	12H	23.45	24.59	23.98	25.10	25.69	29.43	30.57	29.96	31.08	31.67
4H	2H	22.01	23.34	22.51	23.82	24.36	23.59	24.92	24.10	25.41	25.94
	3H	23.74	24.88	24.26	25.40	25.96	26.28	27.42	26.80	27.94	28.50
	4H	24.35	25.39	24.88	25.92	26.51	27.65	28.69	28.18	29.22	29.82
	6H	24.75	25.66	25.30	26.22	26.83	29.09	30.01	29.65	30.57	31.18
	8H	24.84	25.70	25.40	26.26	26.88	29.85	30.71	30.41	31.27	31.89
	12H	24.88	25.67	25.47	26.26	26.88	30.68	31.46	31.26	32.06	32.68
8H	4H	25.03	25.89	25.59	26.45	27.07	27.87	28.73	28.43	29.29	29.91
	6H	25.61	26.34	26.20	26.94	27.57	29.48	30.21	30.07	30.82	31.44
	8H	25.79	26.45	26.39	27.06	27.70	30.37	31.03	30.98	31.65	32.29
	12H	25.90	26.49	26.51	27.10	27.80	31.39	31.98	32.00	32.59	33.29
12H	4H	25.22	26.01	25.80	26.60	27.22	27.87	28.66	28.46	29.25	29.87
	6H	25.90	26.56	26.51	27.18	27.81	29.52	30.18	30.12	30.79	31.43
	8H	26.18	26.77	26.79	27.37	28.08	30.48	31.07	31.09	31.67	32.38