

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: P1356917

Luminaire Tested: 2ASL4-30VHE-3-92765-UNV\_3000K

Issue Date: 2/17/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1356917  
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: 2ASL4-30VHE-3-92765-UNV\_3000K  
Description: 2FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 3 ROW  
Light Source: -  
Ballast/Driver: -

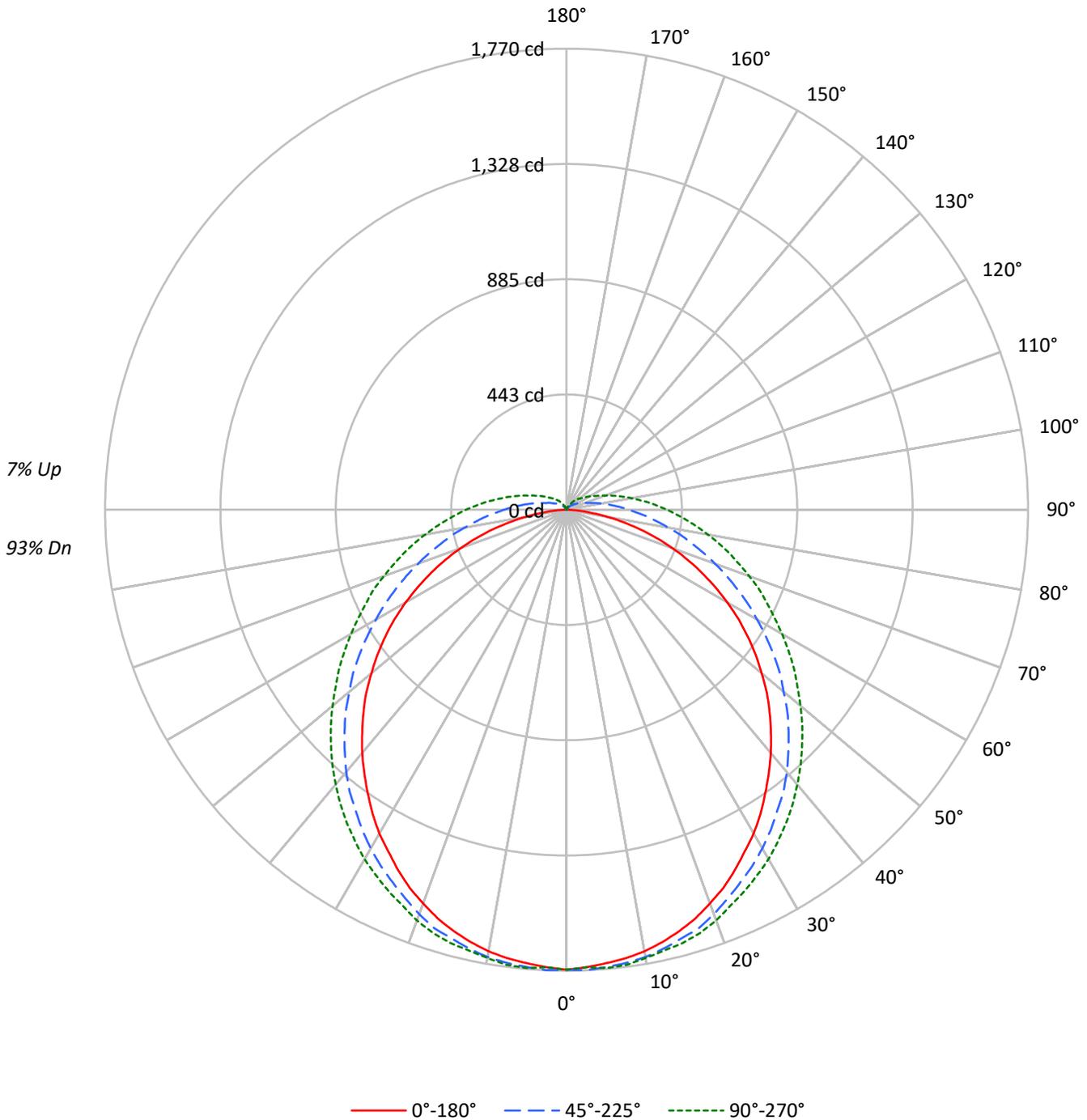
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6004.0 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 58.3  
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

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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	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°	28812	28812	28812
5°	28490	28224	28153
10°	28264	27633	27440
15°	27885	26911	26837
20°	27395	26220	26155
25°	26835	25365	25381
30°	26245	24619	24727
35°	25530	23780	23998
40°	24861	23009	23231
45°	24143	22084	22461
50°	23324	21093	21660
55°	22438	20143	20941
60°	21299	19040	20209
65°	19868	17970	19604
70°	18055	16907	19130
75°	15475	15911	18802
80°	11686	15118	18665
85°	6440	14787	18942

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24143 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.4	2.8
10°-20°	480.8	8.0
20°-30°	726.9	12.1
30°-40°	880.2	14.7
40°-50°	924.4	15.4
50°-60°	862.5	14.4
60°-70°	712.8	11.9
70°-80°	513.2	8.5
80°-90°	318.9	5.3
90°-100°	186.9	3.1
100°-110°	106.9	1.8
110°-120°	60.4	1.0
120°-130°	34.7	0.6
130°-140°	18.7	0.3
140°-150°	7.9	0.1
150°-160°	1.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1375.1	22.9
0°-40°	2255.3	37.6
0°-60°	4042.2	67.3
0°-90°	5587.1	93.1
90°-120°	354.1	5.9
90°-150°	415.5	6.9
90°-180°	417.0	6.9
0°-180°	6004.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1766	1766	1766	1766	1766	
5°	1748	1762	1762	1762	1766	166
15°	1674	1696	1703	1714	1722	472
25°	1527	1553	1579	1601	1615	703
35°	1329	1366	1410	1450	1468	832
45°	1101	1142	1204	1256	1278	850
55°	848	896	969	1039	1065	758
65°	573	628	723	815	848	567
75°	294	367	496	602	646	311
85°	55	165	312	422	463	67
90°	0	99	239	341	386	3
95°	0	62	180	275	316	0
105°	0	22	99	172	202	0
115°	0	11	59	106	125	0
125°	0	7	37	70	81	0
135°	0	0	22	44	55	0
145°	0	0	11	26	29	0
155°	0	0	0	7	11	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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 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1765.9	1765.9	1765.9	1765.9	1765.9
2.5°	1758.5	1769.5	1769.5	1758.5	1758.5
5°	1747.5	1762.2	1762.2	1762.2	1765.9
7.5°	1736.5	1754.8	1754.8	1754.8	1762.2
10°	1721.8	1740.2	1743.8	1743.8	1747.5
12.5°	1699.8	1721.8	1725.5	1729.1	1732.8
15°	1674.1	1696.1	1703.4	1714.5	1721.8
17.5°	1644.7	1670.4	1685.1	1696.1	1703.4
20°	1608.0	1633.7	1652.0	1666.7	1677.7
22.5°	1571.3	1593.3	1615.3	1633.7	1644.7
25°	1527.2	1552.9	1578.6	1600.7	1615.3
27.5°	1479.5	1508.9	1541.9	1567.6	1582.3
30°	1435.4	1464.8	1501.5	1534.6	1549.3
32.5°	1384.1	1417.1	1457.5	1490.5	1508.9
35°	1329.0	1365.7	1409.7	1450.1	1468.5
37.5°	1273.9	1310.6	1365.7	1406.1	1424.4
40°	1218.8	1255.6	1314.3	1358.4	1376.7
42.5°	1160.1	1196.8	1259.2	1307.0	1329.0
45°	1101.4	1141.7	1204.2	1255.6	1277.6
47.5°	1042.6	1083.0	1149.1	1204.2	1226.2
50°	976.5	1020.6	1086.7	1149.1	1171.1
52.5°	914.1	958.2	1031.6	1094.0	1116.1
55°	848.1	895.8	969.2	1039.0	1064.7
57.5°	782.0	829.7	906.8	980.2	1009.6
60°	712.2	763.6	844.4	921.5	954.5
62.5°	642.5	697.5	785.6	866.4	899.4
65°	572.7	627.8	723.2	815.0	848.1
67.5°	503.0	561.7	664.5	759.9	800.3
70°	433.2	495.6	605.8	704.9	745.3
72.5°	363.5	429.5	550.7	653.5	693.9
75°	293.7	367.1	495.6	602.1	646.1
77.5°	223.9	308.4	447.9	554.4	598.4
80°	161.5	257.0	396.5	506.6	550.7
82.5°	102.8	205.6	352.4	462.6	506.6
85°	55.1	165.2	312.1	422.2	462.6
87.5°	18.4	128.5	271.7	381.8	422.2
90°	0.0	99.1	238.6	341.4	385.5
92.5°	0.0	77.1	209.3	308.4	348.8
95°	0.0	62.4	179.9	275.3	315.7
97.5°	0.0	51.4	157.9	246.0	282.7
100°	0.0	40.4	135.8	220.3	253.3
102.5°	0.0	33.0	117.5	194.6	227.6
105°	0.0	22.0	99.1	172.5	201.9
107.5°	0.0	18.4	84.4	154.2	179.9
110°	0.0	14.7	77.1	132.2	157.9



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 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.0	69.8	117.5	143.2
115°	0.0	11.0	58.7	106.5	124.8
117.5°	0.0	11.0	51.4	95.5	113.8
120°	0.0	7.3	47.7	84.4	102.8
122.5°	0.0	7.3	40.4	77.1	91.8
125°	0.0	7.3	36.7	69.8	80.8
127.5°	0.0	3.7	33.0	62.4	73.4
130°	0.0	3.7	29.4	55.1	66.1
132.5°	0.0	3.7	25.7	51.4	62.4
135°	0.0	0.0	22.0	44.1	55.1
137.5°	0.0	0.0	18.4	40.4	47.7
140°	0.0	0.0	14.7	33.0	44.1
142.5°	0.0	0.0	11.0	29.4	36.7
145°	0.0	0.0	11.0	25.7	29.4
147.5°	0.0	0.0	7.3	18.4	25.7
150°	0.0	0.0	3.7	14.7	18.4
152.5°	0.0	0.0	0.0	11.0	14.7
155°	0.0	0.0	0.0	7.3	11.0
157.5°	0.0	0.0	0.0	0.0	3.7
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	20.98	22.52	21.45	22.97	23.46	22.92	24.46	23.39	24.92	25.40
	3H	22.48	23.88	22.96	24.35	24.87	25.35	26.75	25.83	27.22	27.74
	4H	22.96	24.29	23.46	24.77	25.31	26.52	27.85	27.02	28.33	28.87
	6H	23.24	24.48	23.75	24.97	25.53	27.72	28.96	28.23	29.46	30.01
	8H	23.29	24.48	23.82	25.00	25.56	28.33	29.52	28.86	30.04	30.60
	12H	23.30	24.44	23.84	24.95	25.54	28.98	30.12	29.51	30.63	31.22
4H	2H	21.84	23.17	22.34	23.65	24.19	23.36	24.69	23.86	25.17	25.71
	3H	23.58	24.71	24.09	25.24	25.80	26.01	27.15	26.53	27.67	28.23
	4H	24.18	25.22	24.72	25.75	26.35	27.35	28.39	27.89	28.93	29.52
	6H	24.58	25.50	25.13	26.06	26.67	28.75	29.67	29.30	30.23	30.83
	8H	24.67	25.54	25.23	26.10	26.72	29.46	30.33	30.02	30.89	31.51
	12H	24.72	25.50	25.30	26.09	26.72	30.24	31.02	30.82	31.61	32.24
8H	4H	24.84	25.71	25.40	26.27	26.89	27.57	28.44	28.13	29.00	29.62
	6H	25.42	26.15	26.01	26.76	27.38	29.14	29.87	29.73	30.48	31.10
	8H	25.60	26.26	26.21	26.88	27.52	30.00	30.66	30.60	31.27	31.91
	12H	25.72	26.31	26.33	26.91	27.62	30.96	31.55	31.56	32.15	32.85
12H	4H	25.03	25.81	25.61	26.40	27.03	27.58	28.37	28.16	28.96	29.58
	6H	25.70	26.36	26.31	26.98	27.62	29.18	29.84	29.78	30.45	31.09
	8H	25.98	26.57	26.59	27.17	27.88	30.10	30.69	30.71	31.30	32.00