

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: P1356916

Luminaire Tested: 2ASL4-30VHE-3-92765-UNV\_2700K

Issue Date: 2/17/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1356916  
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\_2700K  
Description: 2FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 3 ROW  
Light Source: -  
Ballast/Driver: -

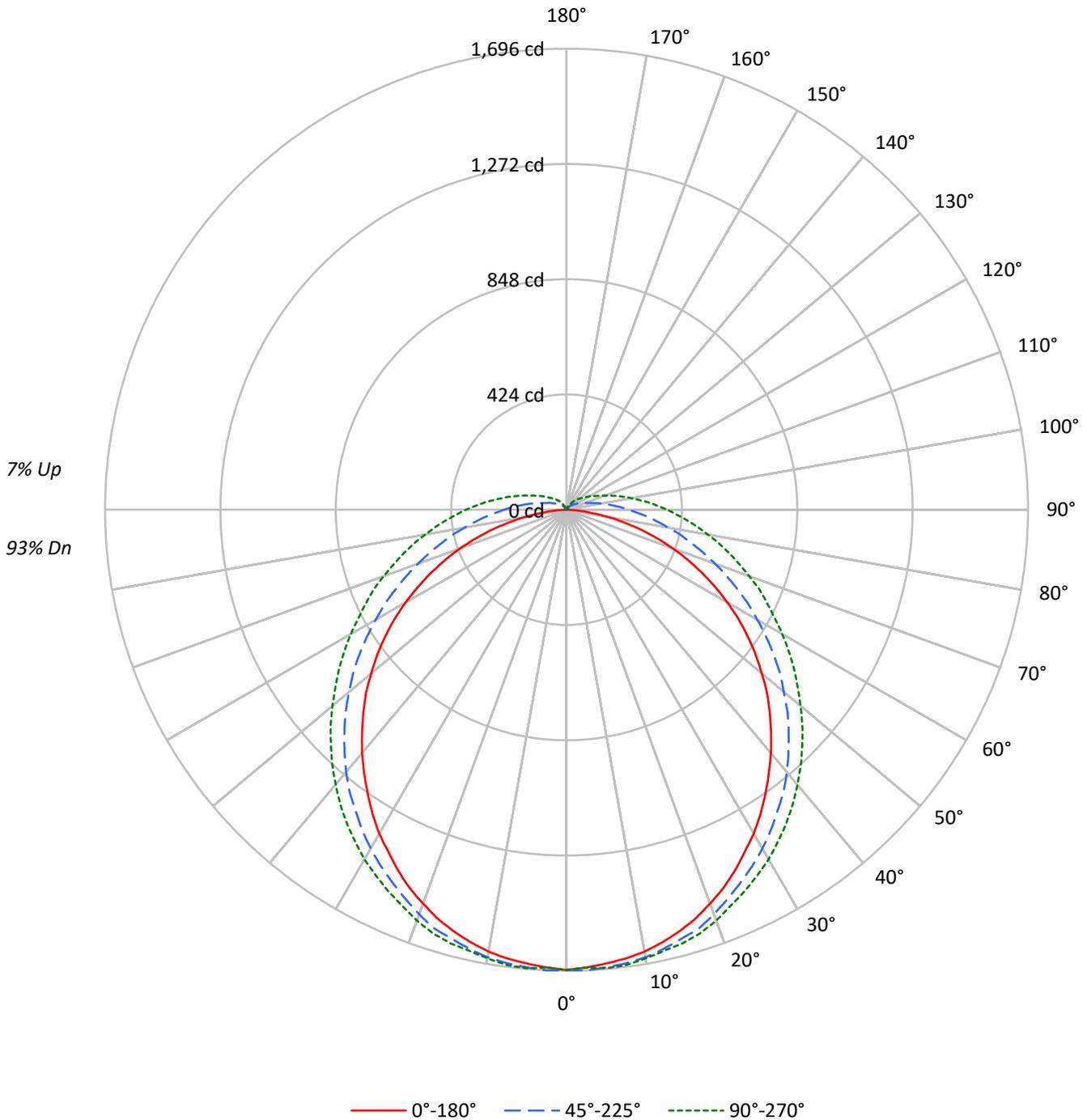
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5756.0 lumens  
Efficiency: N/A  
Efficacy: 98.7 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

TEST NUMBER: P1356916  
CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1356916  
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

**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°	27621	27621	27621
5°	27313	27058	26989
10°	27097	26492	26306
15°	26732	25801	25728
20°	26264	25137	25075
25°	25726	24318	24333
30°	25163	23602	23706
35°	24476	22798	23006
40°	23835	22058	22271
45°	23146	21171	21532
50°	22361	20222	20764
55°	21510	19311	20075
60°	20420	18253	19375
65°	19049	17230	18793
70°	17309	16206	18339
75°	14838	15253	18025
80°	11209	14493	17892
85°	6172	14176	18160

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 23146 cd/sqm



TEST NUMBER: P1356916  
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.5	2.8
10°-20°	460.9	8.0
20°-30°	696.9	12.1
30°-40°	843.8	14.7
40°-50°	886.3	15.4
50°-60°	826.8	14.4
60°-70°	683.3	11.9
70°-80°	492.0	8.5
80°-90°	305.8	5.3
90°-100°	179.1	3.1
100°-110°	102.5	1.8
110°-120°	57.9	1.0
120°-130°	33.3	0.6
130°-140°	17.9	0.3
140°-150°	7.6	0.1
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1318.3	22.9
0°-40°	2162.1	37.6
0°-60°	3875.2	67.3
0°-90°	5356.3	93.1
90°-120°	339.5	5.9
90°-150°	398.3	6.9
90°-180°	400.0	6.9
0°-180°	5756.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1675	1689	1689	1689	1693	159
15°	1605	1626	1633	1644	1651	453
25°	1464	1489	1513	1534	1549	674
35°	1274	1309	1352	1390	1408	798
45°	1056	1095	1154	1204	1225	815
55°	813	859	929	996	1021	726
65°	549	602	693	781	813	543
75°	282	352	475	577	619	298
85°	53	158	299	405	444	65
90°	0	95	229	327	370	2
95°	0	60	172	264	303	0
105°	0	21	95	165	194	0
115°	0	11	56	102	120	0
125°	0	7	35	67	77	0
135°	0	0	21	42	53	0
145°	0	0	11	25	28	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



TEST NUMBER: P1356916  
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1692.9	1692.9	1692.9	1692.9	1692.9
2.5°	1685.9	1696.4	1696.4	1685.9	1685.9
5°	1675.3	1689.4	1689.4	1689.4	1692.9
7.5°	1664.8	1682.4	1682.4	1682.4	1689.4
10°	1650.7	1668.3	1671.8	1671.8	1675.3
12.5°	1629.6	1650.7	1654.2	1657.7	1661.2
15°	1604.9	1626.0	1633.1	1643.6	1650.7
17.5°	1576.8	1601.4	1615.5	1626.0	1633.1
20°	1541.6	1566.2	1583.8	1597.9	1608.4
22.5°	1506.4	1527.5	1548.6	1566.2	1576.8
25°	1464.1	1488.8	1513.4	1534.5	1548.6
27.5°	1418.4	1446.5	1478.2	1502.9	1516.9
30°	1376.2	1404.3	1439.5	1471.2	1485.3
32.5°	1326.9	1358.6	1397.3	1428.9	1446.5
35°	1274.1	1309.3	1351.5	1390.2	1407.8
37.5°	1221.3	1256.5	1309.3	1348.0	1365.6
40°	1168.5	1203.7	1260.0	1302.2	1319.8
42.5°	1112.2	1147.4	1207.2	1253.0	1274.1
45°	1055.9	1094.6	1154.4	1203.7	1224.8
47.5°	999.6	1038.3	1101.6	1154.4	1175.5
50°	936.2	978.4	1041.8	1101.6	1122.7
52.5°	876.4	918.6	989.0	1048.8	1070.0
55°	813.0	858.8	929.2	996.0	1020.7
57.5°	749.7	795.4	869.3	939.7	967.9
60°	682.8	732.1	809.5	883.4	915.1
62.5°	615.9	668.7	753.2	830.6	862.3
65°	549.1	601.8	693.4	781.3	813.0
67.5°	482.2	538.5	637.0	728.6	767.3
70°	415.3	475.1	580.7	675.8	714.5
72.5°	348.4	411.8	527.9	626.5	665.2
75°	281.6	352.0	475.1	577.2	619.4
77.5°	214.7	295.6	429.4	531.5	573.7
80°	154.9	246.4	380.1	485.7	527.9
82.5°	98.5	197.1	337.9	443.5	485.7
85°	52.8	158.4	299.2	404.8	443.5
87.5°	17.6	123.2	260.4	366.0	404.8
90°	0.0	95.0	228.8	327.3	369.6
92.5°	0.0	73.9	200.6	295.6	334.4
95°	0.0	59.8	172.5	264.0	302.7
97.5°	0.0	49.3	151.3	235.8	271.0
100°	0.0	38.7	130.2	211.2	242.9
102.5°	0.0	31.7	112.6	186.5	218.2
105°	0.0	21.1	95.0	165.4	193.6
107.5°	0.0	17.6	81.0	147.8	172.5
110°	0.0	14.1	73.9	126.7	151.3



TEST NUMBER: P1356916  
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.6	66.9	112.6	137.3
115°	0.0	10.6	56.3	102.1	119.7
117.5°	0.0	10.6	49.3	91.5	109.1
120°	0.0	7.0	45.8	81.0	98.5
122.5°	0.0	7.0	38.7	73.9	88.0
125°	0.0	7.0	35.2	66.9	77.4
127.5°	0.0	3.5	31.7	59.8	70.4
130°	0.0	3.5	28.2	52.8	63.4
132.5°	0.0	3.5	24.6	49.3	59.8
135°	0.0	0.0	21.1	42.2	52.8
137.5°	0.0	0.0	17.6	38.7	45.8
140°	0.0	0.0	14.1	31.7	42.2
142.5°	0.0	0.0	10.6	28.2	35.2
145°	0.0	0.0	10.6	24.6	28.2
147.5°	0.0	0.0	7.0	17.6	24.6
150°	0.0	0.0	3.5	14.1	17.6
152.5°	0.0	0.0	0.0	10.6	14.1
155°	0.0	0.0	0.0	7.0	10.6
157.5°	0.0	0.0	0.0	0.0	3.5
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: P1356916  
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV\_2700K

**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	20.83	22.37	21.30	22.83	23.31	22.78	24.32	23.24	24.77	25.25
	3H	22.33	23.74	22.81	24.20	24.72	25.20	26.61	25.68	27.07	27.60
	4H	22.81	24.14	23.31	24.63	25.16	26.37	27.70	26.87	28.18	28.72
	6H	23.09	24.33	23.60	24.82	25.38	27.57	28.81	28.09	29.31	29.86
	8H	23.14	24.33	23.67	24.85	25.41	28.18	29.37	28.71	29.89	30.45
	12H	23.16	24.29	23.69	24.81	25.40	28.83	29.97	29.37	30.49	31.08
4H	2H	21.69	23.02	22.19	23.51	24.04	23.21	24.55	23.72	25.03	25.57
	3H	23.43	24.56	23.94	25.09	25.65	25.87	27.00	26.38	27.53	28.09
	4H	24.03	25.07	24.57	25.61	26.20	27.21	28.24	27.74	28.78	29.37
	6H	24.43	25.35	24.99	25.91	26.52	28.60	29.52	29.16	30.08	30.69
	8H	24.53	25.39	25.09	25.95	26.57	29.32	30.18	29.88	30.74	31.36
	12H	24.57	25.36	25.15	25.95	26.57	30.09	30.88	30.67	31.47	32.09
8H	4H	24.70	25.56	25.26	26.12	26.74	27.43	28.29	27.99	28.85	29.47
	6H	25.27	26.01	25.87	26.61	27.24	28.99	29.72	29.59	30.33	30.95
	8H	25.46	26.12	26.06	26.73	27.37	29.85	30.51	30.45	31.12	31.76
	12H	25.57	26.16	26.18	26.77	27.47	30.81	31.40	31.42	32.00	32.71
12H	4H	24.88	25.66	25.46	26.25	26.88	27.43	28.22	28.02	28.81	29.43
	6H	25.56	26.22	26.16	26.83	27.47	29.03	29.69	29.64	30.31	30.95
	8H	25.84	26.43	26.44	27.03	27.73	29.96	30.55	30.56	31.15	31.85