

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: P1356920

Luminaire Tested: 2ASL4-30VHE-3-92765-UNV_5000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356920
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_5000K
Description: 2FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

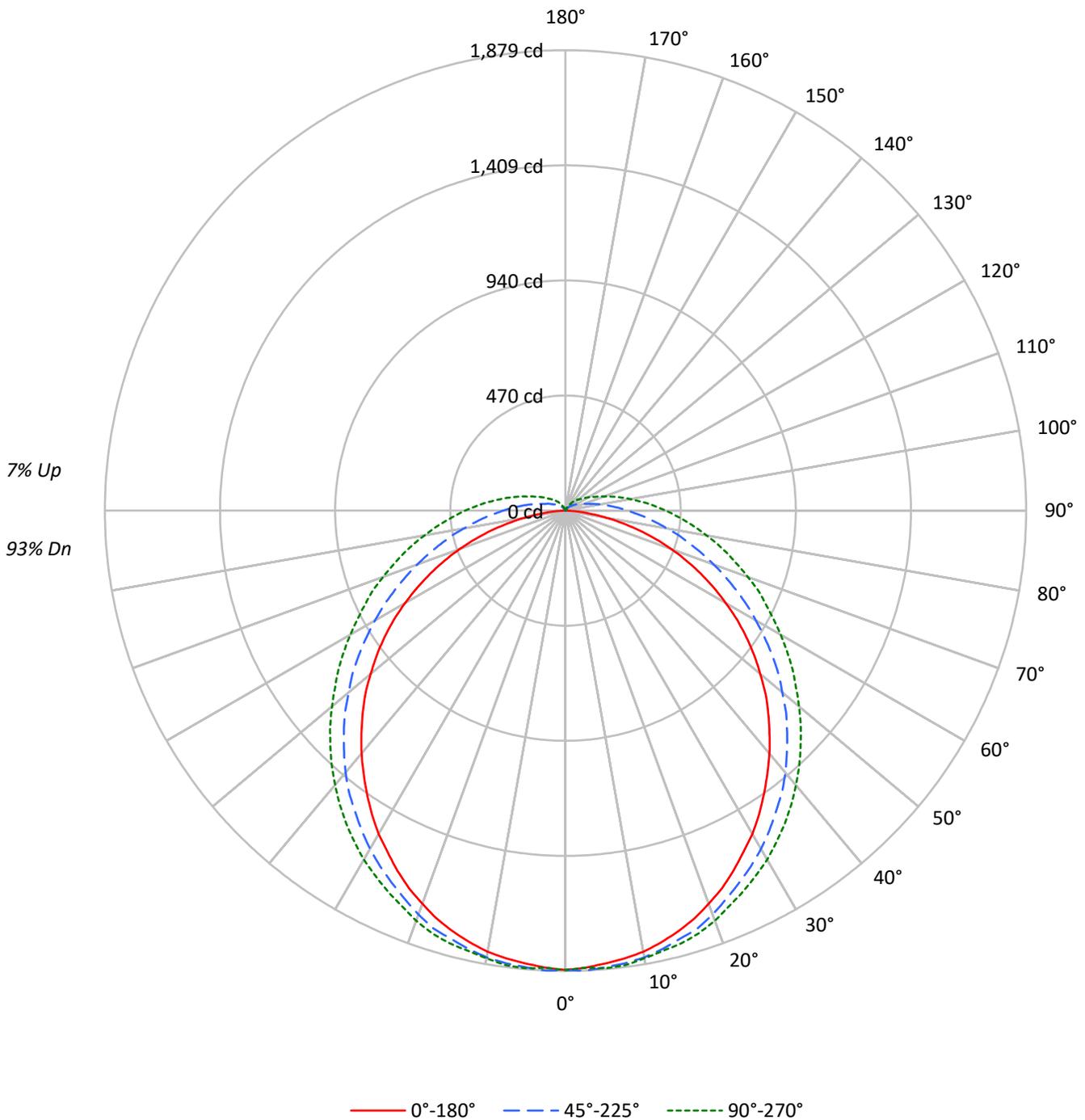
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6375.0 lumens
Efficiency: N/A
Efficacy: 109.3 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_{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				
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°	30592	30592	30592
5°	30251	29968	29892
10°	30010	29341	29136
15°	29607	28575	28495
20°	29089	27840	27772
25°	28494	26933	26951
30°	27867	26140	26255
35°	27107	25250	25481
40°	26399	24430	24667
45°	25634	23449	23848
50°	24766	22396	22999
55°	23825	21388	22233
60°	22615	20217	21458
65°	21096	19081	20816
70°	19172	17950	20310
75°	16429	16893	19966
80°	12410	16052	19817
85°	6838	15697	20113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25634 cd/sqm



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 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	2.8
10°-20°	510.5	8.0
20°-30°	771.8	12.1
30°-40°	934.6	14.7
40°-50°	981.6	15.4
50°-60°	915.8	14.4
60°-70°	756.8	11.9
70°-80°	544.9	8.5
80°-90°	338.6	5.3
90°-100°	198.4	3.1
100°-110°	113.5	1.8
110°-120°	64.1	1.0
120°-130°	36.9	0.6
130°-140°	19.9	0.3
140°-150°	8.4	0.1
150°-160°	1.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1460.1	22.9
0°-40°	2394.7	37.6
0°-60°	4292.0	67.3
0°-90°	5932.3	93.1
90°-120°	376.0	5.9
90°-150°	441.2	6.9
90°-180°	443.0	6.9
0°-180°	6375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1875	1875	1875	1875	1875	
5°	1856	1871	1871	1871	1875	176
15°	1778	1801	1809	1820	1828	501
25°	1622	1649	1676	1700	1715	747
35°	1411	1450	1497	1540	1559	883
45°	1169	1212	1279	1333	1356	902
55°	900	951	1029	1103	1130	805
65°	608	667	768	865	900	602
75°	312	390	526	639	686	330
85°	58	175	331	448	491	72
90°	0	105	253	362	409	3
95°	0	66	191	292	335	0
105°	0	23	105	183	214	0
115°	0	12	62	113	132	0
125°	0	8	39	74	86	0
135°	0	0	23	47	58	0
145°	0	0	12	27	31	0
155°	0	0	0	8	12	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1356920
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1875.0	1875.0	1875.0	1875.0	1875.0
2.5°	1867.2	1878.9	1878.9	1867.2	1867.2
5°	1855.5	1871.1	1871.1	1871.1	1875.0
7.5°	1843.8	1863.3	1863.3	1863.3	1871.1
10°	1828.2	1847.7	1851.6	1851.6	1855.5
12.5°	1804.8	1828.2	1832.1	1836.0	1839.9
15°	1777.5	1800.9	1808.7	1820.4	1828.2
17.5°	1746.3	1773.6	1789.2	1800.9	1808.7
20°	1707.4	1734.6	1754.1	1769.7	1781.4
22.5°	1668.4	1691.8	1715.2	1734.6	1746.3
25°	1621.6	1648.9	1676.2	1699.6	1715.2
27.5°	1570.9	1602.1	1637.2	1664.5	1680.1
30°	1524.1	1555.3	1594.3	1629.4	1645.0
32.5°	1469.6	1504.7	1547.5	1582.6	1602.1
35°	1411.1	1450.1	1496.9	1539.7	1559.2
37.5°	1352.6	1391.6	1450.1	1493.0	1512.5
40°	1294.2	1333.1	1395.5	1442.3	1461.8
42.5°	1231.8	1270.8	1337.0	1387.7	1411.1
45°	1169.4	1212.3	1278.6	1333.1	1356.5
47.5°	1107.1	1149.9	1220.1	1278.6	1302.0
50°	1036.9	1083.7	1153.8	1220.1	1243.5
52.5°	970.6	1017.4	1095.4	1161.6	1185.0
55°	900.5	951.1	1029.1	1103.2	1130.4
57.5°	830.3	881.0	962.8	1040.8	1072.0
60°	756.2	810.8	896.6	978.4	1013.5
62.5°	682.2	740.6	834.2	919.9	955.0
65°	608.1	666.6	767.9	865.4	900.5
67.5°	534.0	596.4	705.6	806.9	849.8
70°	460.0	526.2	643.2	748.4	791.3
72.5°	385.9	456.1	584.7	693.9	736.7
75°	311.8	389.8	526.2	639.3	686.1
77.5°	237.8	327.4	475.6	588.6	635.4
80°	171.5	272.9	421.0	537.9	584.7
82.5°	109.1	218.3	374.2	491.2	537.9
85°	58.5	175.4	331.3	448.3	491.2
87.5°	19.5	136.4	288.5	405.4	448.3
90°	0.0	105.2	253.4	362.5	409.3
92.5°	0.0	81.9	222.2	327.4	370.3
95°	0.0	66.3	191.0	292.4	335.2
97.5°	0.0	54.6	167.6	261.2	300.2
100°	0.0	42.9	144.2	233.9	269.0
102.5°	0.0	35.1	124.7	206.6	241.7
105°	0.0	23.4	105.2	183.2	214.4
107.5°	0.0	19.5	89.7	163.7	191.0
110°	0.0	15.6	81.9	140.3	167.6



TEST NUMBER: P1356920
 CATALOG NUMBER: 2ASL4-30VHE-3-92765-UNV_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.7	74.1	124.7	152.0
115°	0.0	11.7	62.4	113.0	132.5
117.5°	0.0	11.7	54.6	101.3	120.8
120°	0.0	7.8	50.7	89.7	109.1
122.5°	0.0	7.8	42.9	81.9	97.5
125°	0.0	7.8	39.0	74.1	85.8
127.5°	0.0	3.9	35.1	66.3	78.0
130°	0.0	3.9	31.2	58.5	70.2
132.5°	0.0	3.9	27.3	54.6	66.3
135°	0.0	0.0	23.4	46.8	58.5
137.5°	0.0	0.0	19.5	42.9	50.7
140°	0.0	0.0	15.6	35.1	46.8
142.5°	0.0	0.0	11.7	31.2	39.0
145°	0.0	0.0	11.7	27.3	31.2
147.5°	0.0	0.0	7.8	19.5	27.3
150°	0.0	0.0	3.9	15.6	19.5
152.5°	0.0	0.0	0.0	11.7	15.6
155°	0.0	0.0	0.0	7.8	11.7
157.5°	0.0	0.0	0.0	0.0	3.9
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	21.19	22.73	21.66	23.18	23.67	23.13	24.67	23.60	25.13	25.61
	3H	22.69	24.09	23.17	24.55	25.08	25.56	26.96	26.04	27.43	27.95
	4H	23.17	24.50	23.67	24.98	25.52	26.72	28.06	27.23	28.54	29.08
	6H	23.44	24.68	23.96	25.18	25.73	27.93	29.17	28.44	29.66	30.22
	8H	23.50	24.68	24.02	25.20	25.76	28.54	29.73	29.06	30.24	30.80
	12H	23.51	24.65	24.04	25.16	25.75	29.19	30.33	29.72	30.84	31.43
4H	2H	22.05	23.38	22.55	23.86	24.40	23.57	24.90	24.07	25.38	25.92
	3H	23.78	24.92	24.30	25.44	26.00	26.22	27.36	26.74	27.88	28.44
	4H	24.39	25.43	24.92	25.96	26.56	27.56	28.60	28.10	29.14	29.73
	6H	24.79	25.70	25.34	26.27	26.87	28.96	29.87	29.51	30.44	31.04
	8H	24.88	25.75	25.44	26.31	26.93	29.67	30.53	30.23	31.10	31.72
	12H	24.93	25.71	25.51	26.30	26.93	30.45	31.23	31.03	31.82	32.44
8H	4H	25.05	25.91	25.61	26.48	27.10	27.78	28.64	28.34	29.21	29.83
	6H	25.63	26.36	26.22	26.97	27.59	29.35	30.08	29.94	30.68	31.31
	8H	25.81	26.47	26.42	27.09	27.72	30.20	30.86	30.81	31.48	32.12
	12H	25.93	26.52	26.53	27.12	27.82	31.16	31.75	31.77	32.36	33.06
12H	4H	25.24	26.02	25.82	26.61	27.23	27.79	28.57	28.37	29.16	29.79
	6H	25.91	26.57	26.52	27.19	27.83	29.39	30.05	29.99	30.66	31.30
	8H	26.19	26.78	26.80	27.38	28.09	30.31	30.90	30.92	31.51	32.21