

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: P1356918

Luminaire Tested: 2ASL4-30VHE-3-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356918
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_3500K
Description: 2FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

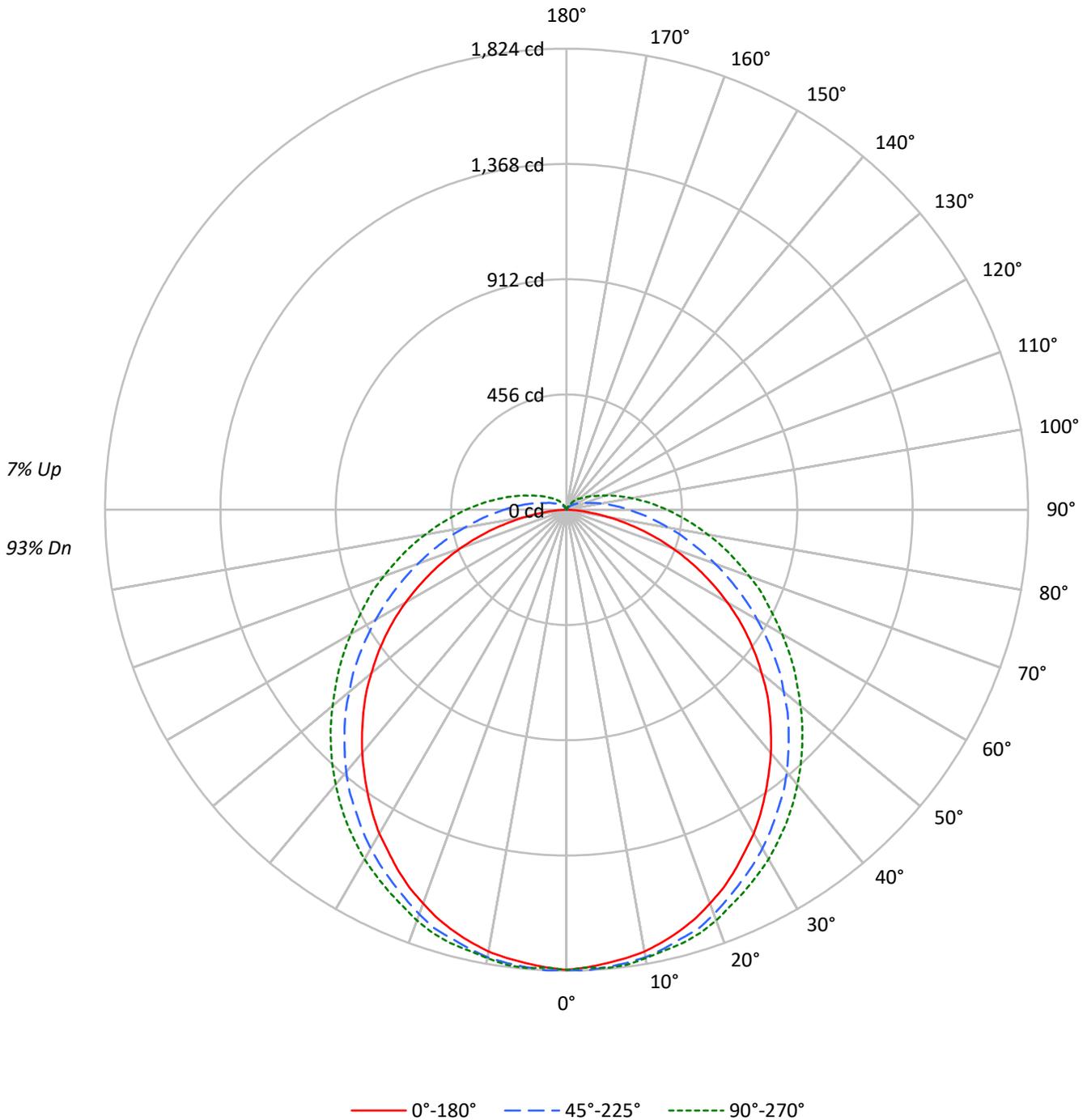
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.0 lumens
Efficiency: N/A
Efficacy: 106.2 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				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°	29700	29700	29700
5°	29367	29094	29020
10°	29136	28485	28285
15°	28744	27741	27664
20°	28238	27029	26961
25°	27663	26148	26164
30°	27055	25378	25489
35°	26316	24513	24737
40°	25628	23718	23946
45°	24886	22765	23153
50°	24043	21744	22327
55°	23129	20764	21586
60°	21957	19626	20831
65°	20482	18525	20208
70°	18613	17426	19717
75°	15949	16402	19381
80°	12048	15583	19241
85°	6639	15242	19523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	2.8
10°-20°	495.6	8.0
20°-30°	749.3	12.1
30°-40°	907.3	14.7
40°-50°	952.9	15.4
50°-60°	889.0	14.4
60°-70°	734.7	11.9
70°-80°	529.0	8.5
80°-90°	328.7	5.3
90°-100°	192.6	3.1
100°-110°	110.2	1.8
110°-120°	62.2	1.0
120°-130°	35.8	0.6
130°-140°	19.3	0.3
140°-150°	8.1	0.1
150°-160°	1.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1417.5	22.9
0°-40°	2324.8	37.6
0°-60°	4166.8	67.3
0°-90°	5759.3	93.1
90°-120°	365.0	5.9
90°-150°	428.3	6.9
90°-180°	430.0	6.9
0°-180°	6189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1801	1816	1816	1816	1820	171
15°	1726	1748	1756	1767	1775	487
25°	1574	1601	1627	1650	1665	725
35°	1370	1408	1453	1495	1514	858
45°	1135	1177	1241	1294	1317	876
55°	874	923	999	1071	1098	781
65°	590	647	746	840	874	584
75°	303	378	511	621	666	320
85°	57	170	322	435	477	69
90°	0	102	246	352	397	3
95°	0	64	185	284	326	0
105°	0	23	102	178	208	0
115°	0	11	60	110	129	0
125°	0	8	38	72	83	0
135°	0	0	23	45	57	0
145°	0	0	11	26	30	0
155°	0	0	0	8	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1812.7	1824.1	1824.1	1812.7	1812.7
5°	1801.3	1816.5	1816.5	1816.5	1820.3
7.5°	1790.0	1808.9	1808.9	1808.9	1816.5
10°	1774.9	1793.8	1797.6	1797.6	1801.3
12.5°	1752.1	1774.9	1778.6	1782.4	1786.2
15°	1725.7	1748.4	1755.9	1767.3	1774.9
17.5°	1695.4	1721.9	1737.0	1748.4	1755.9
20°	1657.5	1684.0	1703.0	1718.1	1729.4
22.5°	1619.7	1642.4	1665.1	1684.0	1695.4
25°	1574.3	1600.8	1627.3	1650.0	1665.1
27.5°	1525.1	1555.4	1589.4	1615.9	1631.1
30°	1479.7	1510.0	1547.8	1581.9	1597.0
32.5°	1426.7	1460.8	1502.4	1536.4	1555.4
35°	1369.9	1407.8	1453.2	1494.8	1513.7
37.5°	1313.2	1351.0	1407.8	1449.4	1468.3
40°	1256.4	1294.2	1354.8	1400.2	1419.1
42.5°	1195.9	1233.7	1298.0	1347.2	1369.9
45°	1135.3	1176.9	1241.3	1294.2	1317.0
47.5°	1074.8	1116.4	1184.5	1241.3	1264.0
50°	1006.6	1052.0	1120.2	1184.5	1207.2
52.5°	942.3	987.7	1063.4	1127.7	1150.4
55°	874.2	923.4	999.1	1071.0	1097.5
57.5°	806.1	855.3	934.7	1010.4	1040.7
60°	734.2	787.1	870.4	949.9	983.9
62.5°	662.3	719.0	809.8	893.1	927.2
65°	590.4	647.1	745.5	840.1	874.2
67.5°	518.5	579.0	685.0	783.4	825.0
70°	446.6	510.9	624.4	726.6	768.2
72.5°	374.6	442.8	567.7	673.6	715.2
75°	302.7	378.4	510.9	620.6	666.0
77.5°	230.8	317.9	461.7	571.4	616.8
80°	166.5	264.9	408.7	522.2	567.7
82.5°	106.0	211.9	363.3	476.8	522.2
85°	56.8	170.3	321.7	435.2	476.8
87.5°	18.9	132.5	280.0	393.6	435.2
90°	0.0	102.2	246.0	351.9	397.4
92.5°	0.0	79.5	215.7	317.9	359.5
95°	0.0	64.3	185.4	283.8	325.5
97.5°	0.0	53.0	162.7	253.6	291.4
100°	0.0	41.6	140.0	227.1	261.1
102.5°	0.0	34.1	121.1	200.6	234.6
105°	0.0	22.7	102.2	177.9	208.1
107.5°	0.0	18.9	87.0	158.9	185.4
110°	0.0	15.1	79.5	136.2	162.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.4	71.9	121.1	147.6
115°	0.0	11.4	60.5	109.7	128.7
117.5°	0.0	11.4	53.0	98.4	117.3
120°	0.0	7.6	49.2	87.0	106.0
122.5°	0.0	7.6	41.6	79.5	94.6
125°	0.0	7.6	37.8	71.9	83.3
127.5°	0.0	3.8	34.1	64.3	75.7
130°	0.0	3.8	30.3	56.8	68.1
132.5°	0.0	3.8	26.5	53.0	64.3
135°	0.0	0.0	22.7	45.4	56.8
137.5°	0.0	0.0	18.9	41.6	49.2
140°	0.0	0.0	15.1	34.1	45.4
142.5°	0.0	0.0	11.4	30.3	37.8
145°	0.0	0.0	11.4	26.5	30.3
147.5°	0.0	0.0	7.6	18.9	26.5
150°	0.0	0.0	3.8	15.1	18.9
152.5°	0.0	0.0	0.0	11.4	15.1
155°	0.0	0.0	0.0	7.6	11.4
157.5°	0.0	0.0	0.0	0.0	3.8
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	21.08	22.62	21.55	23.08	23.56	23.03	24.57	23.50	25.02	25.51
	3H	22.58	23.99	23.06	24.45	24.98	25.45	26.86	25.94	27.32	27.85
	4H	23.06	24.40	23.57	24.88	25.42	26.62	27.95	27.12	28.44	28.97
	6H	23.34	24.58	23.86	25.08	25.63	27.83	29.07	28.34	29.56	30.11
	8H	23.39	24.58	23.92	25.10	25.66	28.43	29.62	28.96	30.14	30.70
	12H	23.41	24.55	23.94	25.06	25.65	29.08	30.22	29.62	30.74	31.33
4H	2H	21.94	23.28	22.45	23.76	24.30	23.47	24.80	23.97	25.28	25.82
	3H	23.68	24.82	24.20	25.34	25.90	26.12	27.25	26.63	27.78	28.34
	4H	24.29	25.32	24.82	25.86	26.45	27.46	28.50	27.99	29.03	29.63
	6H	24.68	25.60	25.24	26.16	26.77	28.85	29.77	29.41	30.33	30.94
	8H	24.78	25.64	25.34	26.20	26.82	29.57	30.43	30.13	30.99	31.61
	12H	24.82	25.61	25.41	26.20	26.82	30.34	31.13	30.93	31.72	32.34
8H	4H	24.95	25.81	25.51	26.37	26.99	27.68	28.54	28.24	29.10	29.72
	6H	25.53	26.26	26.12	26.86	27.49	29.24	29.98	29.84	30.58	31.21
	8H	25.71	26.37	26.31	26.98	27.62	30.10	30.76	30.71	31.38	32.01
	12H	25.82	26.41	26.43	27.02	27.72	31.06	31.65	31.67	32.25	32.96
12H	4H	25.13	25.92	25.71	26.51	27.13	27.69	28.47	28.27	29.06	29.69
	6H	25.81	26.47	26.41	27.08	27.72	29.28	29.94	29.89	30.56	31.20
	8H	26.09	26.68	26.69	27.28	27.98	30.21	30.80	30.82	31.40	32.11