

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: P1357529

Luminaire Tested: 8ASL4-30VHE-3-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357529
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: 8ASL4-30VHE-3-92765-UNV_3000K
Description: 8FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

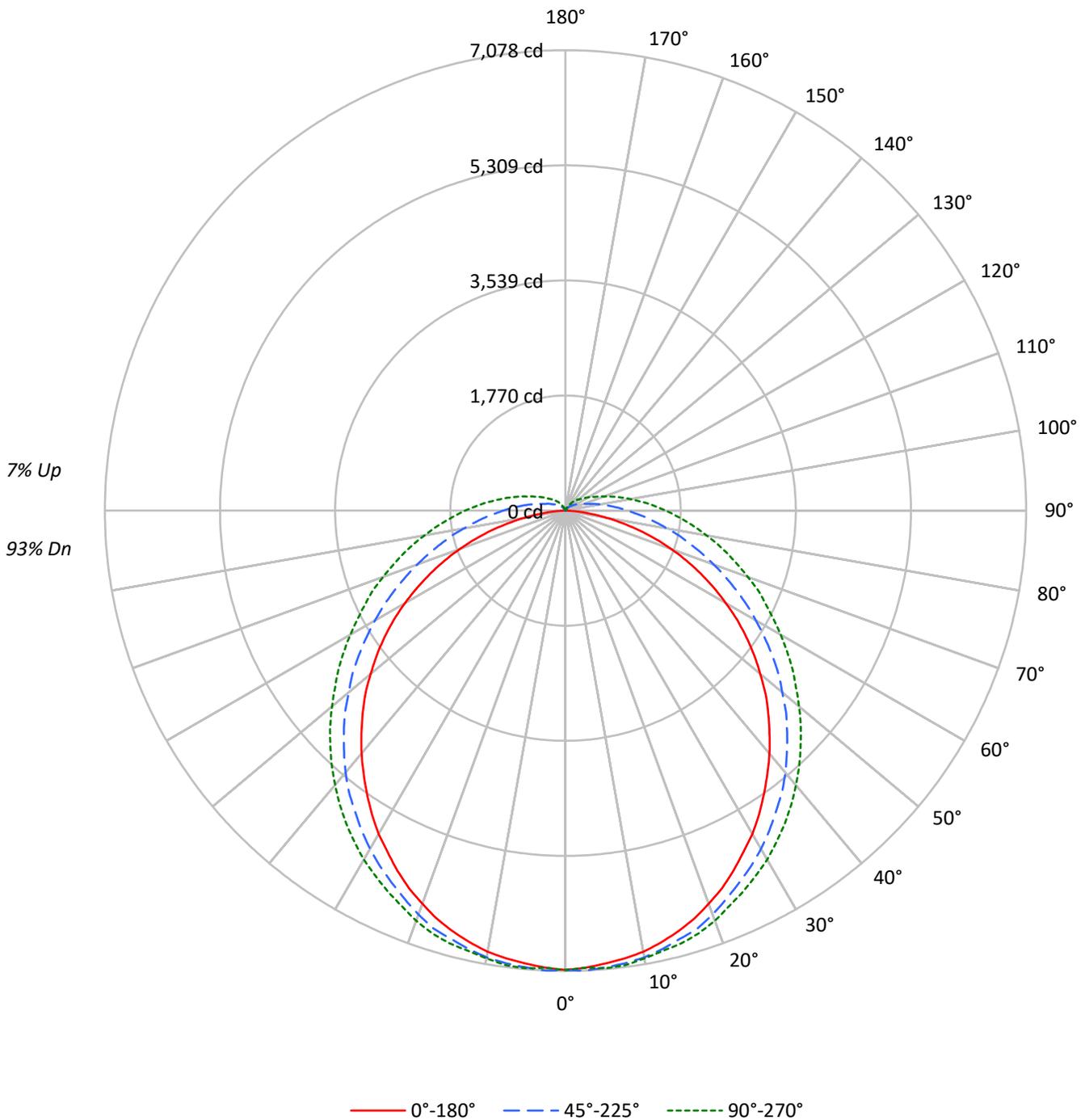
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24015.0 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: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 233.1
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

TEST NUMBER: P1357529
CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1357529
 CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

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°	28585	28585	28585
5°	28363	28069	27930
10°	28237	27546	27224
15°	27957	26889	26625
20°	27569	26259	25950
25°	27113	25462	25182
30°	26630	24774	24532
35°	26024	23991	23809
40°	25477	23277	23048
45°	24888	22408	22283
50°	24216	21474	21489
55°	23496	20585	20775
60°	22548	19544	20050
65°	21339	18546	19449
70°	19793	17562	18978
75°	17515	16673	18655
80°	14020	16031	18517
85°	8901	15961	18791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24888 cd/sqm



TEST NUMBER: P1357529
 CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.8	2.8
10°-20°	1923.0	8.0
20°-30°	2907.5	12.1
30°-40°	3520.5	14.7
40°-50°	3697.6	15.4
50°-60°	3449.7	14.4
60°-70°	2851.0	11.9
70°-80°	2052.7	8.5
80°-90°	1275.6	5.3
90°-100°	747.4	3.1
100°-110°	427.6	1.8
110°-120°	241.4	1.0
120°-130°	138.9	0.6
130°-140°	74.8	0.3
140°-150°	31.5	0.1
150°-160°	5.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5500.3	22.9
0°-40°	9020.8	37.6
0°-60°	16168.1	67.3
0°-90°	22347.4	93.1
90°-120°	1416.4	5.9
90°-150°	1661.7	6.9
90°-180°	1668.0	6.9
0°-180°	24015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7063	7063	7063	7063	7063	
5°	6990	7048	7048	7048	7063	664
15°	6696	6784	6814	6858	6887	1888
25°	6109	6211	6314	6402	6461	2814
35°	5316	5462	5639	5800	5874	3327
45°	4405	4567	4816	5022	5110	3399
55°	3392	3583	3877	4156	4258	3031
65°	2291	2511	2893	3260	3392	2267
75°	1175	1468	1982	2408	2584	1242
85°	220	661	1248	1689	1850	269
90°	0	396	954	1366	1542	10
95°	0	250	720	1101	1263	0
105°	0	88	396	690	808	0
115°	0	44	235	426	499	0
125°	0	29	147	279	323	0
135°	0	0	88	176	220	0
145°	0	0	44	103	118	0
155°	0	0	0	29	44	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357529
 CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7063.1	7063.1	7063.1	7063.1	7063.1
2.5°	7033.8	7077.8	7077.8	7033.8	7033.8
5°	6989.7	7048.4	7048.4	7048.4	7063.1
7.5°	6945.7	7019.1	7019.1	7019.1	7048.4
10°	6886.9	6960.3	6975.0	6975.0	6989.7
12.5°	6798.8	6886.9	6901.6	6916.3	6931.0
15°	6696.0	6784.1	6813.5	6857.6	6886.9
17.5°	6578.6	6681.3	6740.1	6784.1	6813.5
20°	6431.7	6534.5	6607.9	6666.7	6710.7
22.5°	6284.9	6373.0	6461.1	6534.5	6578.6
25°	6108.7	6211.4	6314.2	6402.3	6461.1
27.5°	5917.8	6035.2	6167.4	6270.2	6328.9
30°	5741.5	5859.0	6005.9	6138.0	6196.8
32.5°	5536.0	5668.1	5829.7	5961.8	6035.2
35°	5315.7	5462.5	5638.8	5800.3	5873.7
37.5°	5095.4	5242.3	5462.5	5624.1	5697.5
40°	4875.2	5022.0	5257.0	5433.2	5506.6
42.5°	4640.2	4787.1	5036.7	5227.6	5315.7
45°	4405.3	4566.8	4816.4	5022.0	5110.1
47.5°	4170.3	4331.9	4596.2	4816.4	4904.5
50°	3906.0	4082.2	4346.5	4596.2	4684.3
52.5°	3656.4	3832.6	4126.3	4375.9	4464.0
55°	3392.1	3583.0	3876.6	4155.6	4258.4
57.5°	3127.7	3318.6	3627.0	3920.7	4038.2
60°	2848.7	3054.3	3377.4	3685.8	3817.9
62.5°	2569.7	2790.0	3142.4	3465.5	3597.6
65°	2290.7	2511.0	2892.8	3259.9	3392.1
67.5°	2011.7	2246.7	2657.9	3039.6	3201.2
70°	1732.7	1982.4	2422.9	2819.4	2980.9
72.5°	1453.7	1718.1	2202.6	2613.8	2775.3
75°	1174.7	1468.4	1982.4	2408.2	2584.4
77.5°	895.7	1233.5	1791.5	2217.3	2393.5
80°	646.1	1027.9	1585.9	2026.4	2202.6
82.5°	411.2	822.3	1409.7	1850.2	2026.4
85°	220.3	660.8	1248.2	1688.7	1850.2
87.5°	73.4	513.9	1086.6	1527.2	1688.7
90°	0.0	396.5	954.5	1365.6	1541.8
92.5°	0.0	308.4	837.0	1233.5	1395.0
95°	0.0	249.6	719.5	1101.3	1262.8
97.5°	0.0	205.6	631.4	983.8	1130.7
100°	0.0	161.5	543.3	881.1	1013.2
102.5°	0.0	132.2	469.9	778.3	910.4
105°	0.0	88.1	396.5	690.2	807.6
107.5°	0.0	73.4	337.7	616.7	719.5
110°	0.0	58.7	308.4	528.6	631.4



TEST NUMBER: P1357529
 CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.1	279.0	469.9	572.7
115°	0.0	44.1	234.9	425.8	499.3
117.5°	0.0	44.1	205.6	381.8	455.2
120°	0.0	29.4	190.9	337.7	411.2
122.5°	0.0	29.4	161.5	308.4	367.1
125°	0.0	29.4	146.8	279.0	323.1
127.5°	0.0	14.7	132.2	249.6	293.7
130°	0.0	14.7	117.5	220.3	264.3
132.5°	0.0	14.7	102.8	205.6	249.6
135°	0.0	0.0	88.1	176.2	220.3
137.5°	0.0	0.0	73.4	161.5	190.9
140°	0.0	0.0	58.7	132.2	176.2
142.5°	0.0	0.0	44.1	117.5	146.8
145°	0.0	0.0	44.1	102.8	117.5
147.5°	0.0	0.0	29.4	73.4	102.8
150°	0.0	0.0	14.7	58.7	73.4
152.5°	0.0	0.0	0.0	44.1	58.7
155°	0.0	0.0	0.0	29.4	44.1
157.5°	0.0	0.0	0.0	0.0	14.7
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



TEST NUMBER: P1357529
 CATALOG NUMBER: 8ASL4-30VHE-3-92765-UNV_3000K

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	21.00	22.54	21.47	22.99	23.48	23.07	24.61	23.53	25.06	25.54
	3H	22.49	23.90	22.97	24.36	24.89	25.55	26.95	26.03	27.42	27.94
	4H	22.97	24.30	23.48	24.79	25.32	26.76	28.09	27.26	28.58	29.11
	6H	23.25	24.49	23.76	24.98	25.54	28.04	29.28	28.56	29.78	30.33
	8H	23.30	24.49	23.83	25.01	25.57	28.71	29.90	29.24	30.42	30.98
	12H	23.31	24.45	23.85	24.97	25.56	29.46	30.60	29.99	31.11	31.70
4H	2H	21.88	23.21	22.38	23.70	24.23	23.50	24.83	24.00	25.31	25.85
	3H	23.62	24.75	24.13	25.28	25.84	26.21	27.34	26.72	27.87	28.43
	4H	24.22	25.26	24.76	25.79	26.39	27.59	28.63	28.13	29.16	29.76
	6H	24.62	25.54	25.17	26.10	26.70	29.06	29.98	29.62	30.54	31.15
	8H	24.71	25.57	25.27	26.14	26.76	29.84	30.70	30.40	31.26	31.88
	12H	24.76	25.54	25.34	26.13	26.76	30.71	31.49	31.29	32.08	32.71
8H	4H	24.91	25.77	25.47	26.34	26.96	27.81	28.67	28.37	29.23	29.85
	6H	25.49	26.22	26.08	26.83	27.45	29.45	30.18	30.04	30.78	31.41
	8H	25.67	26.33	26.28	26.95	27.58	30.36	31.02	30.97	31.64	32.27
	12H	25.79	26.38	26.39	26.98	27.68	31.42	32.01	32.02	32.61	33.32
12H	4H	25.11	25.89	25.69	26.48	27.11	27.81	28.60	28.39	29.19	29.81
	6H	25.79	26.45	26.40	27.07	27.70	29.48	30.14	30.09	30.76	31.40
	8H	26.07	26.66	26.68	27.26	27.97	30.47	31.06	31.07	31.66	32.36