

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: P1357533

Luminaire Tested: 8ASL4-30VHE-3-92765-UNV\_6500K

Issue Date: 2/17/2026

**Test Information**

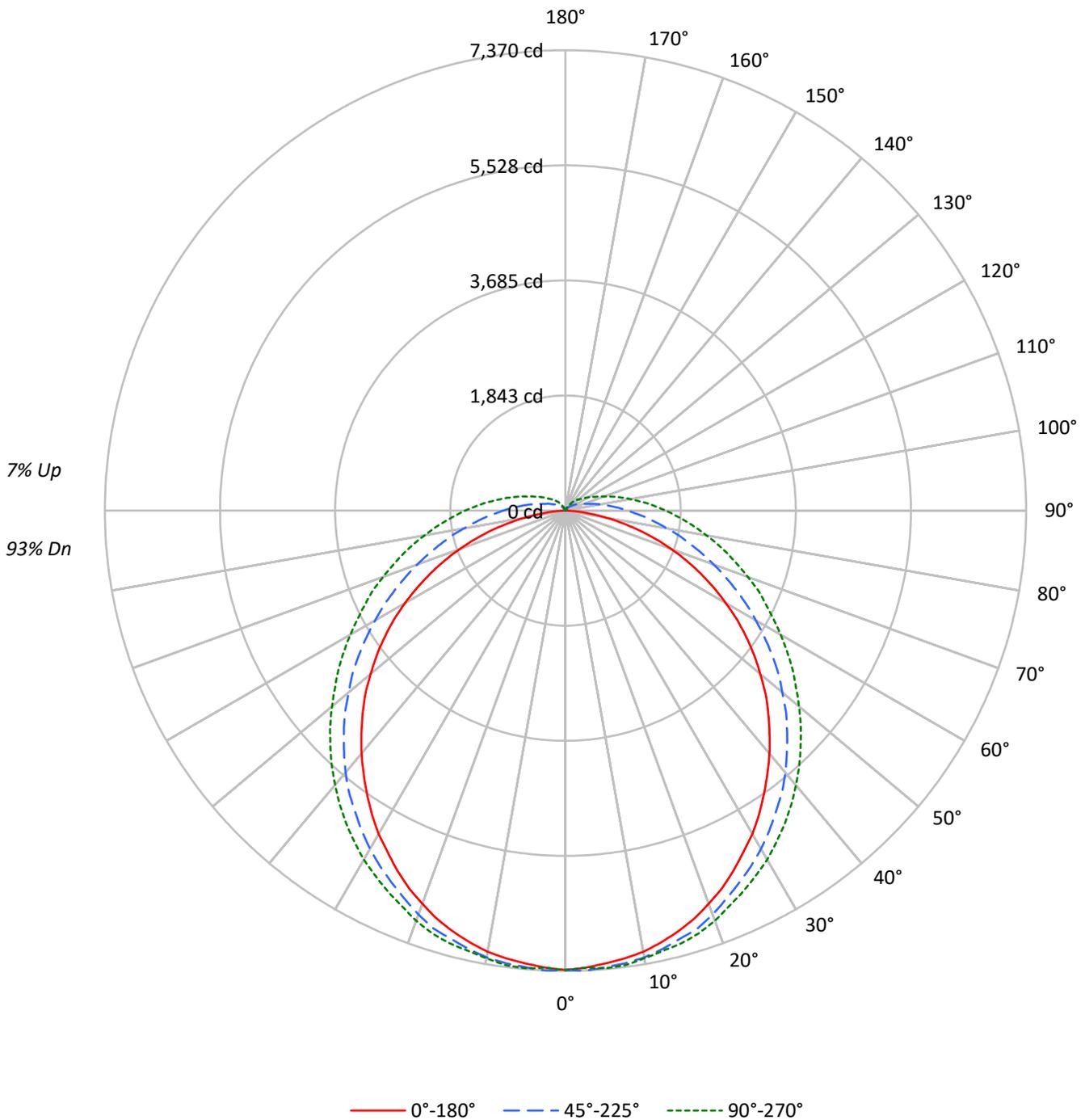
Test Method: LM-79-2019  
Report Number: P1357533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: 8ASL4-30VHE-3-92765-UNV\_6500K  
Description: 8FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 3 ROW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25005.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 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<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				
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°	29763	29763	29763
5°	29533	29226	29082
10°	29401	28681	28346
15°	29110	27997	27723
20°	28706	27341	27020
25°	28230	26512	26220
30°	27728	25795	25543
35°	27097	24980	24791
40°	26527	24236	23998
45°	25914	23332	23202
50°	25214	22360	22375
55°	24464	21434	21631
60°	23478	20350	20877
65°	22219	19311	20251
70°	20609	18286	19760
75°	18238	17360	19424
80°	14597	16692	19280
85°	9265	16619	19566

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25914 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.4	2.8
10°-20°	2002.3	8.0
20°-30°	3027.3	12.1
30°-40°	3665.6	14.7
40°-50°	3850.0	15.4
50°-60°	3591.9	14.4
60°-70°	2968.5	11.9
70°-80°	2137.4	8.5
80°-90°	1328.2	5.3
90°-100°	778.3	3.1
100°-110°	445.2	1.8
110°-120°	251.4	1.0
120°-130°	144.7	0.6
130°-140°	77.9	0.3
140°-150°	32.8	0.1
150°-160°	6.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5727.0	22.9
0°-40°	9392.7	37.6
0°-60°	16834.6	67.3
0°-90°	23268.7	93.1
90°-120°	1474.8	5.9
90°-150°	1730.2	6.9
90°-180°	1736.0	6.9
0°-180°	25005.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7354	7354	7354	7354	7354	
5°	7278	7339	7339	7339	7354	692
15°	6972	7064	7094	7140	7171	1966
25°	6360	6468	6574	6666	6727	2930
35°	5535	5688	5871	6039	6116	3465
45°	4587	4755	5015	5229	5321	3539
55°	3532	3731	4036	4327	4434	3156
65°	2385	2614	3012	3394	3532	2360
75°	1223	1529	2064	2508	2691	1294
85°	229	688	1300	1758	1926	281
90°	0	413	994	1422	1605	10
95°	0	260	749	1147	1315	0
105°	0	92	413	719	841	0
115°	0	46	245	443	520	0
125°	0	31	153	290	336	0
135°	0	0	92	184	229	0
145°	0	0	46	107	122	0
155°	0	0	0	31	46	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°	7354.3	7354.3	7354.3	7354.3	7354.3
2.5°	7323.7	7369.6	7369.6	7323.7	7323.7
5°	7277.9	7339.0	7339.0	7339.0	7354.3
7.5°	7232.0	7308.4	7308.4	7308.4	7339.0
10°	7170.8	7247.3	7262.6	7262.6	7277.9
12.5°	7079.1	7170.8	7186.1	7201.4	7216.7
15°	6972.1	7063.8	7094.4	7140.3	7170.8
17.5°	6849.7	6956.8	7017.9	7063.8	7094.4
20°	6696.9	6803.9	6880.3	6941.5	6987.4
22.5°	6544.0	6635.7	6727.4	6803.9	6849.7
25°	6360.5	6467.5	6574.5	6666.3	6727.4
27.5°	6161.7	6284.0	6421.6	6528.7	6589.8
30°	5978.2	6100.6	6253.5	6391.1	6452.2
32.5°	5764.2	5901.8	6070.0	6207.6	6284.0
35°	5534.8	5687.7	5871.2	6039.4	6115.8
37.5°	5305.5	5458.4	5687.7	5855.9	5932.4
40°	5076.2	5229.0	5473.7	5657.2	5733.6
42.5°	4831.5	4984.4	5244.3	5443.1	5534.8
45°	4586.9	4755.1	5015.0	5229.0	5320.8
47.5°	4342.3	4510.4	4785.7	5015.0	5106.7
50°	4067.0	4250.5	4525.7	4785.7	4877.4
52.5°	3807.1	3990.6	4296.4	4556.3	4648.0
55°	3531.9	3730.7	4036.5	4327.0	4434.0
57.5°	3256.7	3455.5	3776.5	4082.3	4204.6
60°	2966.2	3180.2	3516.6	3837.7	3975.3
62.5°	2675.7	2905.0	3272.0	3608.3	3746.0
65°	2385.2	2614.5	3012.1	3394.3	3531.9
67.5°	2094.7	2339.3	2767.4	3165.0	3333.1
70°	1804.2	2064.1	2522.8	2935.6	3103.8
72.5°	1513.7	1788.9	2293.4	2721.6	2889.7
75°	1223.2	1529.0	2064.1	2507.5	2691.0
77.5°	932.7	1284.3	1865.3	2308.7	2492.2
80°	672.7	1070.3	1651.3	2110.0	2293.4
82.5°	428.1	856.2	1467.8	1926.5	2110.0
85°	229.3	688.0	1299.6	1758.3	1926.5
87.5°	76.4	535.1	1131.4	1590.1	1758.3
90°	0.0	412.8	993.8	1421.9	1605.4
92.5°	0.0	321.1	871.5	1284.3	1452.5
95°	0.0	259.9	749.2	1146.7	1314.9
97.5°	0.0	214.1	657.5	1024.4	1177.3
100°	0.0	168.2	565.7	917.4	1055.0
102.5°	0.0	137.6	489.3	810.3	948.0
105°	0.0	91.7	412.8	718.6	840.9
107.5°	0.0	76.4	351.7	642.2	749.2
110°	0.0	61.2	321.1	550.4	657.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.9	290.5	489.3	596.3
115°	0.0	45.9	244.6	443.4	519.8
117.5°	0.0	45.9	214.1	397.5	474.0
120°	0.0	30.6	198.8	351.7	428.1
122.5°	0.0	30.6	168.2	321.1	382.2
125°	0.0	30.6	152.9	290.5	336.4
127.5°	0.0	15.3	137.6	259.9	305.8
130°	0.0	15.3	122.3	229.3	275.2
132.5°	0.0	15.3	107.0	214.1	259.9
135°	0.0	0.0	91.7	183.5	229.3
137.5°	0.0	0.0	76.4	168.2	198.8
140°	0.0	0.0	61.2	137.6	183.5
142.5°	0.0	0.0	45.9	122.3	152.9
145°	0.0	0.0	45.9	107.0	122.3
147.5°	0.0	0.0	30.6	76.4	107.0
150°	0.0	0.0	15.3	61.2	76.4
152.5°	0.0	0.0	0.0	45.9	61.2
155°	0.0	0.0	0.0	30.6	45.9
157.5°	0.0	0.0	0.0	0.0	15.3
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	21.14	22.68	21.61	23.13	23.62	23.21	24.75	23.68	25.20	25.68
	3H	22.63	24.04	23.11	24.50	25.03	25.69	27.09	26.17	27.56	28.08
	4H	23.11	24.45	23.62	24.93	25.47	26.90	28.23	27.40	28.72	29.25
	6H	23.39	24.63	23.90	25.12	25.68	28.18	29.42	28.70	29.92	30.47
	8H	23.44	24.63	23.97	25.15	25.71	28.85	30.04	29.38	30.56	31.12
	12H	23.45	24.59	23.99	25.11	25.70	29.60	30.74	30.13	31.25	31.84
4H	2H	22.02	23.35	22.52	23.84	24.37	23.64	24.97	24.14	25.45	25.99
	3H	23.76	24.89	24.27	25.42	25.98	26.35	27.48	26.86	28.01	28.57
	4H	24.36	25.40	24.90	25.94	26.53	27.73	28.77	28.27	29.31	29.90
	6H	24.76	25.68	25.31	26.24	26.84	29.20	30.12	29.76	30.68	31.29
	8H	24.85	25.72	25.41	26.28	26.90	29.98	30.84	30.54	31.40	32.02
	12H	24.90	25.68	25.48	26.27	26.90	30.85	31.63	31.43	32.22	32.85
8H	4H	25.05	25.91	25.61	26.48	27.10	27.95	28.81	28.51	29.37	29.99
	6H	25.63	26.36	26.22	26.97	27.59	29.59	30.32	30.18	30.92	31.55
	8H	25.81	26.47	26.42	27.09	27.73	30.50	31.16	31.11	31.78	32.41
	12H	25.93	26.52	26.53	27.12	27.82	31.56	32.15	32.17	32.75	33.46
12H	4H	25.25	26.03	25.83	26.62	27.25	27.95	28.74	28.54	29.33	29.95
	6H	25.93	26.59	26.54	27.21	27.84	29.62	30.28	30.23	30.90	31.54
	8H	26.21	26.80	26.82	27.40	28.11	30.61	31.20	31.21	31.80	32.50