

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: P1357531

Luminaire Tested: 8ASL4-30VHE-3-92765-UNV_4000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357531
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_4000K
Description: 8FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 4000K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

Summary

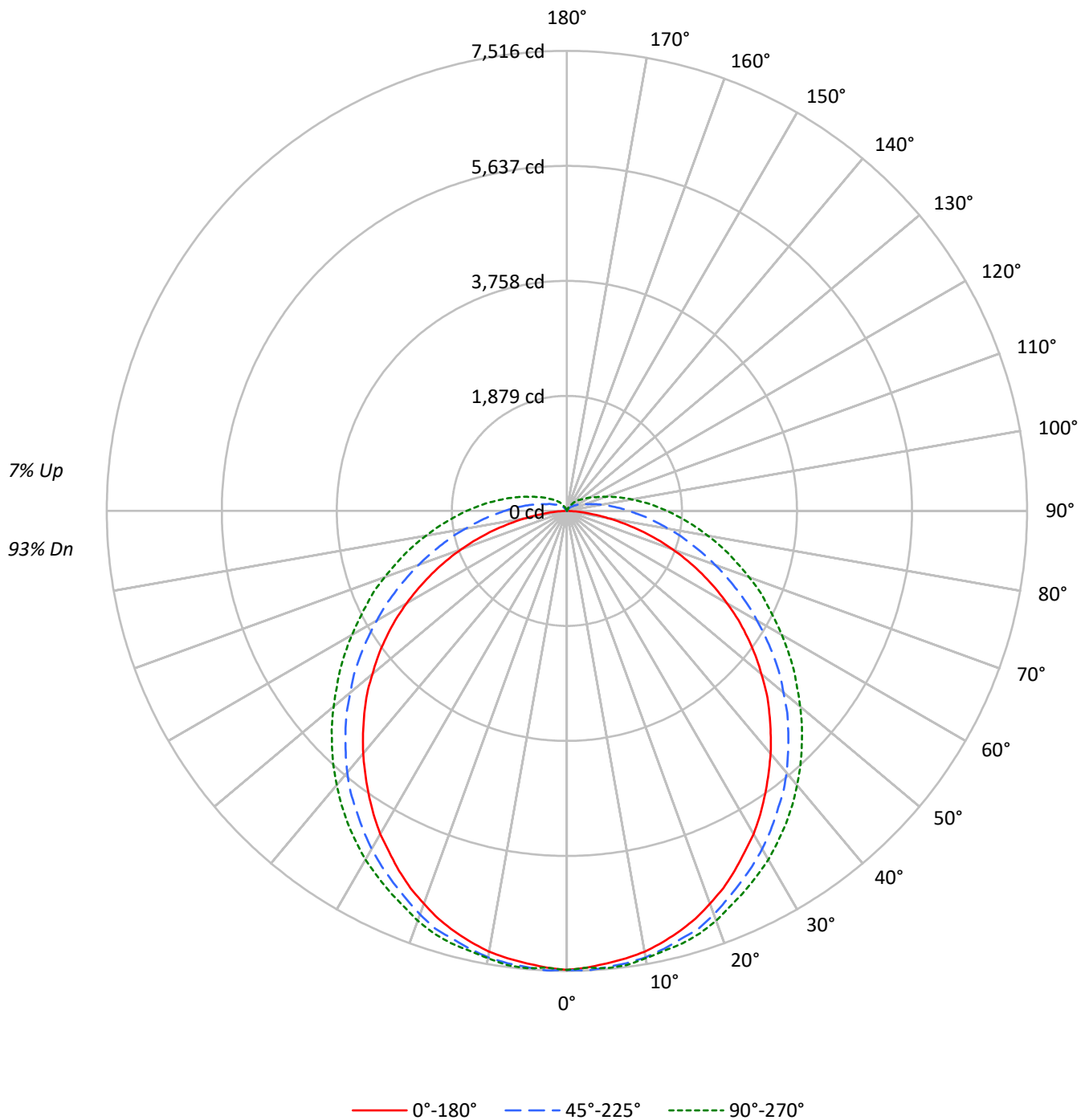
Lumens per Lamp: N/A
Luminaire Lumens: 25500.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 233.1
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	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	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	63	63	61
3	86	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	45	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	32	28	37	32	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30352	30352	30352
5°	30117	29805	29658
10°	29983	29249	28907
15°	29686	28551	28272
20°	29274	27882	27555
25°	28789	27037	26739
30°	28277	26305	26049
35°	27634	25475	25282
40°	27052	24716	24473
45°	26427	23794	23661
50°	25713	22803	22818
55°	24948	21858	22060
60°	23942	20752	21290
65°	22659	19693	20651
70°	21017	18648	20151
75°	18599	17704	19808
80°	14888	17023	19662
85°	9451	16947	19953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.2	2.8
10°-20°	2042.0	8.0
20°-30°	3087.3	12.1
30°-40°	3738.2	14.7
40°-50°	3926.3	15.4
50°-60°	3663.0	14.4
60°-70°	3027.3	11.9
70°-80°	2179.7	8.5
80°-90°	1354.5	5.3
90°-100°	793.7	3.1
100°-110°	454.0	1.8
110°-120°	256.4	1.0
120°-130°	147.5	0.6
130°-140°	79.5	0.3
140°-150°	33.4	0.1
150°-160°	6.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5840.4	22.9
0°-40°	9578.6	37.6
0°-60°	17167.9	67.3
0°-90°	23729.3	93.1
90°-120°	1504.1	5.9
90°-150°	1764.5	6.9
90°-180°	1771.0	6.9
0°-180°	25500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7500	7500	7500	7500	7500	
5°	7422	7484	7484	7484	7500	705
15°	7110	7204	7235	7282	7313	2005
25°	6486	6596	6705	6798	6861	2988
35°	5644	5800	5987	6159	6237	3533
45°	4678	4849	5114	5333	5426	3609
55°	3602	3804	4116	4413	4522	3218
65°	2432	2666	3072	3462	3602	2407
75°	1247	1559	2105	2557	2744	1319
85°	234	702	1325	1793	1965	286
90°	0	421	1014	1450	1637	11
95°	0	265	764	1169	1341	0
105°	0	94	421	733	858	0
115°	0	47	250	452	530	0
125°	0	31	156	296	343	0
135°	0	0	94	187	234	0
145°	0	0	47	109	125	0
155°	0	0	0	31	47	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°	7499.9	7499.9	7499.9	7499.9	7499.9
2.5°	7468.7	7515.5	7515.5	7468.7	7468.7
5°	7421.9	7484.3	7484.3	7484.3	7499.9
7.5°	7375.2	7453.1	7453.1	7453.1	7484.3
10°	7312.8	7390.7	7406.3	7406.3	7421.9
12.5°	7219.2	7312.8	7328.4	7344.0	7359.6
15°	7110.1	7203.6	7234.8	7281.6	7312.8
17.5°	6985.3	7094.5	7156.9	7203.6	7234.8
20°	6829.4	6938.6	7016.5	7078.9	7125.7
22.5°	6673.5	6767.1	6860.6	6938.6	6985.3
25°	6486.4	6595.5	6704.7	6798.2	6860.6
27.5°	6283.7	6408.4	6548.8	6657.9	6720.3
30°	6096.6	6221.3	6377.2	6517.6	6579.9
32.5°	5878.3	6018.6	6190.1	6330.5	6408.4
35°	5644.4	5800.3	5987.4	6159.0	6236.9
37.5°	5410.5	5566.4	5800.3	5971.8	6049.8
40°	5176.6	5332.6	5582.0	5769.1	5847.1
42.5°	4927.2	5083.1	5348.2	5550.9	5644.4
45°	4677.7	4849.2	5114.3	5332.6	5426.1
47.5°	4428.2	4599.7	4880.4	5114.3	5207.8
50°	4147.5	4334.7	4615.3	4880.4	4973.9
52.5°	3882.5	4069.6	4381.4	4646.5	4740.1
55°	3601.8	3804.5	4116.4	4412.6	4521.8
57.5°	3321.2	3523.9	3851.3	4163.1	4287.9
60°	3024.9	3243.2	3586.2	3913.7	4054.0
62.5°	2728.7	2962.5	3336.8	3679.8	3820.1
65°	2432.4	2666.3	3071.7	3461.5	3601.8
67.5°	2136.1	2385.6	2822.2	3227.6	3399.1
70°	1839.9	2105.0	2572.7	2993.7	3165.2
72.5°	1543.6	1824.3	2338.8	2775.4	2946.9
75°	1247.4	1559.2	2105.0	2557.1	2744.2
77.5°	951.1	1309.8	1902.3	2354.4	2541.5
80°	686.1	1091.5	1684.0	2151.7	2338.8
82.5°	436.6	873.2	1496.9	1964.6	2151.7
85°	233.9	701.7	1325.3	1793.1	1964.6
87.5°	78.0	545.7	1153.8	1621.6	1793.1
90°	0.0	421.0	1013.5	1450.1	1637.2
92.5°	0.0	327.4	888.8	1309.8	1481.3
95°	0.0	265.1	764.0	1169.4	1340.9
97.5°	0.0	218.3	670.5	1044.7	1200.6
100°	0.0	171.5	576.9	935.5	1075.9
102.5°	0.0	140.3	499.0	826.4	966.7
105°	0.0	93.6	421.0	732.8	857.6
107.5°	0.0	78.0	358.6	654.9	764.0
110°	0.0	62.4	327.4	561.3	670.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.8	296.3	499.0	608.1
115°	0.0	46.8	249.5	452.2	530.1
117.5°	0.0	46.8	218.3	405.4	483.4
120°	0.0	31.2	202.7	358.6	436.6
122.5°	0.0	31.2	171.5	327.4	389.8
125°	0.0	31.2	155.9	296.3	343.0
127.5°	0.0	15.6	140.3	265.1	311.8
130°	0.0	15.6	124.7	233.9	280.7
132.5°	0.0	15.6	109.1	218.3	265.1
135°	0.0	0.0	93.6	187.1	233.9
137.5°	0.0	0.0	78.0	171.5	202.7
140°	0.0	0.0	62.4	140.3	187.1
142.5°	0.0	0.0	46.8	124.7	155.9
145°	0.0	0.0	46.8	109.1	124.7
147.5°	0.0	0.0	31.2	78.0	109.1
150°	0.0	0.0	15.6	62.4	78.0
152.5°	0.0	0.0	0.0	46.8	62.4
155°	0.0	0.0	0.0	31.2	46.8
157.5°	0.0	0.0	0.0	0.0	15.6
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	21.21	22.75	21.67	23.20	23.68	23.27	24.81	23.74	25.27	25.75
	3H	22.70	24.11	23.18	24.57	25.10	25.76	27.16	26.24	27.63	28.15
	4H	23.18	24.51	23.68	25.00	25.53	26.97	28.30	27.47	28.78	29.32
	6H	23.46	24.70	23.97	25.19	25.75	28.25	29.49	28.77	29.99	30.54
	8H	23.51	24.70	24.04	25.22	25.78	28.92	30.11	29.45	30.63	31.19
	12H	23.52	24.66	24.06	25.18	25.77	29.67	30.81	30.20	31.32	31.91
4H	2H	22.09	23.42	22.59	23.90	24.44	23.71	25.04	24.21	25.52	26.06
	3H	23.83	24.96	24.34	25.49	26.05	26.41	27.55	26.93	28.07	28.63
	4H	24.43	25.47	24.96	26.00	26.60	27.80	28.84	28.33	29.37	29.97
	6H	24.83	25.74	25.38	26.31	26.91	29.27	30.19	29.82	30.75	31.36
	8H	24.92	25.78	25.48	26.35	26.96	30.05	30.91	30.61	31.47	32.09
	12H	24.97	25.75	25.55	26.34	26.96	30.92	31.70	31.50	32.29	32.92
8H	4H	25.12	25.98	25.68	26.55	27.16	28.01	28.88	28.57	29.44	30.06
	6H	25.70	26.43	26.29	27.03	27.66	29.65	30.39	30.25	30.99	31.61
	8H	25.88	26.54	26.49	27.16	27.79	30.57	31.23	31.17	31.84	32.48
	12H	26.00	26.59	26.60	27.19	27.89	31.63	32.22	32.23	32.82	33.52
12H	4H	25.32	26.10	25.90	26.69	27.32	28.02	28.81	28.60	29.40	30.02
	6H	26.00	26.66	26.60	27.28	27.91	29.69	30.35	30.29	30.97	31.60
	8H	26.28	26.87	26.89	27.47	28.18	30.67	31.26	31.28	31.87	32.57