

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: P1357528

Luminaire Tested: 8ASL4-30VHE-3-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357528
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_2700K
Description: 8FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

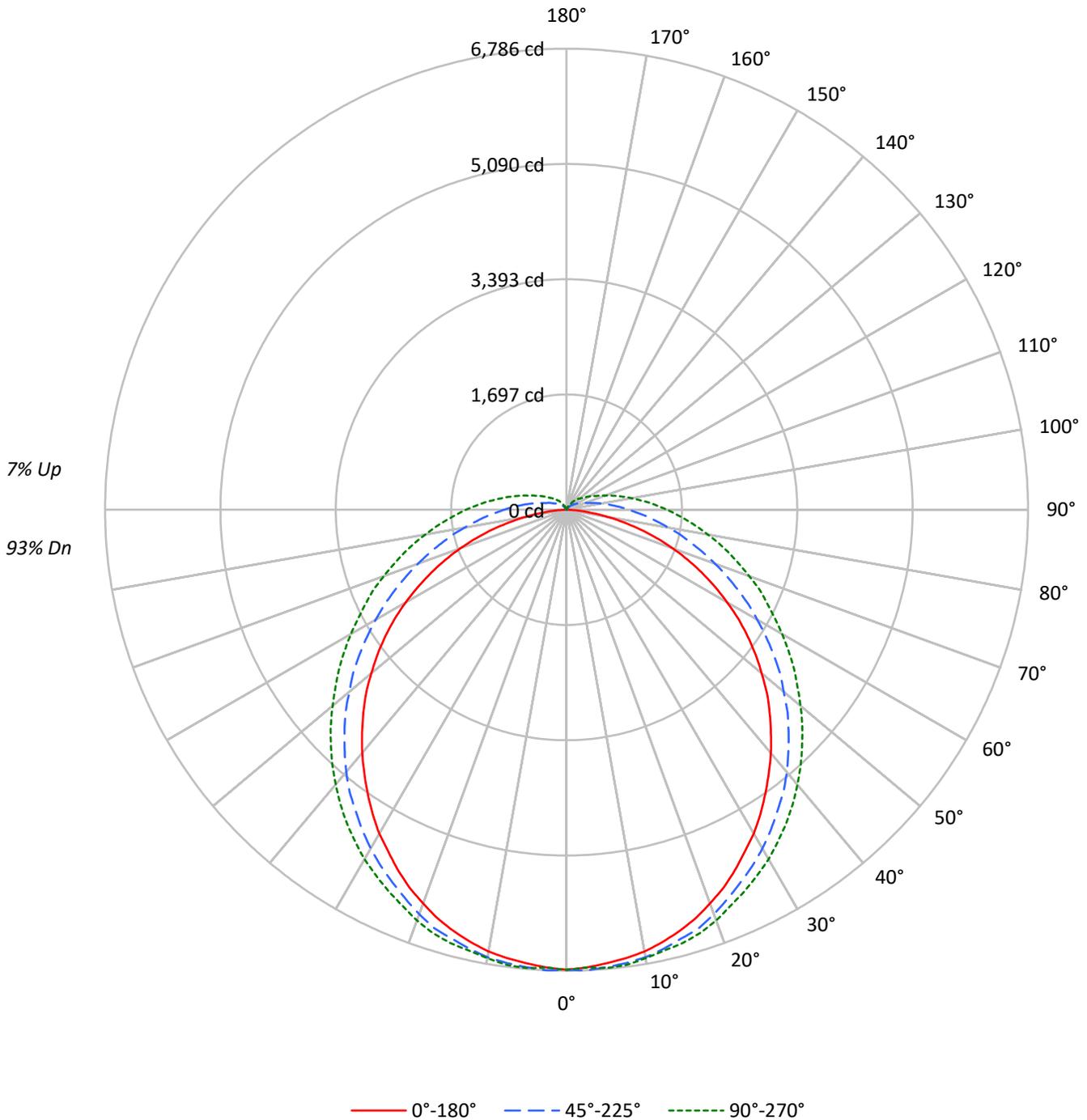
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23025.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

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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°	27407	27407	27407
5°	27194	26912	26779
10°	27073	26410	26102
15°	26805	25780	25528
20°	26433	25176	24880
25°	25995	24413	24144
30°	25533	23752	23521
35°	24952	23002	22828
40°	24426	22317	22098
45°	23862	21484	21365
50°	23218	20590	20604
55°	22527	19736	19918
60°	21619	18739	19223
65°	20459	17781	18647
70°	18977	16838	18195
75°	16793	15986	17886
80°	13443	15370	17753
85°	8534	15303	18017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23862 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.2	2.8
10°-20°	1843.8	8.0
20°-30°	2787.6	12.1
30°-40°	3375.4	14.7
40°-50°	3545.2	15.4
50°-60°	3307.5	14.4
60°-70°	2733.5	11.9
70°-80°	1968.1	8.5
80°-90°	1223.0	5.3
90°-100°	716.6	3.1
100°-110°	409.9	1.8
110°-120°	231.5	1.0
120°-130°	133.2	0.6
130°-140°	71.8	0.3
140°-150°	30.2	0.1
150°-160°	5.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5273.5	22.9
0°-40°	8648.9	37.6
0°-60°	15501.6	67.3
0°-90°	21426.2	93.1
90°-120°	1358.0	5.9
90°-150°	1593.2	6.9
90°-180°	1599.0	6.9
0°-180°	23025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6772	6772	6772	6772	6772	
5°	6702	6758	6758	6758	6772	637
15°	6420	6504	6533	6575	6603	1810
25°	5857	5955	6054	6138	6195	2698
35°	5097	5237	5406	5561	5632	3190
45°	4224	4378	4618	4815	4900	3259
55°	3252	3435	3717	3984	4083	2906
65°	2196	2408	2774	3126	3252	2173
75°	1126	1408	1901	2309	2478	1191
85°	211	634	1197	1619	1774	258
90°	0	380	915	1309	1478	10
95°	0	239	690	1056	1211	0
105°	0	84	380	662	774	0
115°	0	42	225	408	479	0
125°	0	28	141	268	310	0
135°	0	0	84	169	211	0
145°	0	0	42	99	113	0
155°	0	0	0	28	42	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°	6772.0	6772.0	6772.0	6772.0	6772.0
2.5°	6743.8	6786.0	6786.0	6743.8	6743.8
5°	6701.6	6757.9	6757.9	6757.9	6772.0
7.5°	6659.3	6729.7	6729.7	6729.7	6757.9
10°	6603.0	6673.4	6687.5	6687.5	6701.6
12.5°	6518.5	6603.0	6617.1	6631.2	6645.3
15°	6420.0	6504.5	6532.6	6574.9	6603.0
17.5°	6307.4	6405.9	6462.2	6504.5	6532.6
20°	6166.6	6265.1	6335.5	6391.8	6434.1
22.5°	6025.8	6110.3	6194.7	6265.1	6307.4
25°	5856.8	5955.4	6053.9	6138.4	6194.7
27.5°	5673.8	5786.4	5913.1	6011.7	6068.0
30°	5504.9	5617.5	5758.3	5885.0	5941.3
32.5°	5307.8	5434.5	5589.3	5716.0	5786.4
35°	5096.6	5237.4	5406.3	5561.2	5631.6
37.5°	4885.4	5026.2	5237.4	5392.2	5462.6
40°	4674.2	4815.0	5040.3	5209.2	5279.6
42.5°	4448.9	4589.7	4829.1	5012.1	5096.6
45°	4223.7	4378.5	4617.9	4815.0	4899.5
47.5°	3998.4	4153.3	4406.7	4617.9	4702.4
50°	3745.0	3913.9	4167.4	4406.7	4491.2
52.5°	3505.7	3674.6	3956.2	4195.5	4280.0
55°	3252.2	3435.3	3716.8	3984.3	4082.9
57.5°	2998.8	3181.8	3477.5	3759.1	3871.7
60°	2731.3	2928.4	3238.2	3533.8	3660.5
62.5°	2463.8	2675.0	3012.9	3322.6	3449.3
65°	2196.3	2407.5	2773.5	3125.5	3252.2
67.5°	1928.8	2154.1	2548.3	2914.3	3069.2
70°	1661.3	1900.7	2323.0	2703.2	2858.0
72.5°	1393.8	1647.2	2111.8	2506.0	2660.9
75°	1126.3	1407.9	1900.7	2308.9	2477.9
77.5°	858.8	1182.6	1717.6	2125.9	2294.9
80°	619.5	985.5	1520.5	1942.9	2111.8
82.5°	394.2	788.4	1351.6	1773.9	1942.9
85°	211.2	633.6	1196.7	1619.1	1773.9
87.5°	70.4	492.8	1041.8	1464.2	1619.1
90°	0.0	380.1	915.1	1309.3	1478.3
92.5°	0.0	295.7	802.5	1182.6	1337.5
95°	0.0	239.3	689.9	1055.9	1210.8
97.5°	0.0	197.1	605.4	943.3	1084.1
100°	0.0	154.9	520.9	844.7	971.4
102.5°	0.0	126.7	450.5	746.2	872.9
105°	0.0	84.5	380.1	661.7	774.3
107.5°	0.0	70.4	323.8	591.3	689.9
110°	0.0	56.3	295.7	506.8	605.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.2	267.5	450.5	549.1
115°	0.0	42.2	225.3	408.3	478.7
117.5°	0.0	42.2	197.1	366.1	436.4
120°	0.0	28.2	183.0	323.8	394.2
122.5°	0.0	28.2	154.9	295.7	352.0
125°	0.0	28.2	140.8	267.5	309.7
127.5°	0.0	14.1	126.7	239.3	281.6
130°	0.0	14.1	112.6	211.2	253.4
132.5°	0.0	14.1	98.6	197.1	239.3
135°	0.0	0.0	84.5	168.9	211.2
137.5°	0.0	0.0	70.4	154.9	183.0
140°	0.0	0.0	56.3	126.7	168.9
142.5°	0.0	0.0	42.2	112.6	140.8
145°	0.0	0.0	42.2	98.6	112.6
147.5°	0.0	0.0	28.2	70.4	98.6
150°	0.0	0.0	14.1	56.3	70.4
152.5°	0.0	0.0	0.0	42.2	56.3
155°	0.0	0.0	0.0	28.2	42.2
157.5°	0.0	0.0	0.0	0.0	14.1
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	20.85	22.39	21.32	22.85	23.33	22.92	24.46	23.39	24.91	25.40
	3H	22.35	23.75	22.83	24.22	24.74	25.40	26.81	25.88	27.27	27.80
	4H	22.83	24.16	23.33	24.64	25.18	26.62	27.95	27.12	28.43	28.97
	6H	23.10	24.34	23.62	24.84	25.39	27.90	29.14	28.41	29.63	30.19
	8H	23.15	24.34	23.68	24.86	25.42	28.57	29.75	29.09	30.27	30.83
	12H	23.17	24.31	23.70	24.82	25.41	29.31	30.45	29.85	30.97	31.56
4H	2H	21.74	23.07	22.24	23.55	24.09	23.35	24.68	23.86	25.17	25.70
	3H	23.47	24.61	23.99	25.13	25.69	26.06	27.19	26.57	27.72	28.28
	4H	24.07	25.11	24.61	25.65	26.24	27.44	28.48	27.98	29.02	29.61
	6H	24.47	25.39	25.03	25.95	26.56	28.92	29.83	29.47	30.39	31.00
	8H	24.57	25.43	25.13	25.99	26.61	29.69	30.55	30.25	31.12	31.73
	12H	24.61	25.39	25.19	25.98	26.61	30.56	31.35	31.14	31.94	32.56
8H	4H	24.77	25.63	25.33	26.19	26.81	27.66	28.52	28.22	29.08	29.70
	6H	25.34	26.08	25.94	26.68	27.31	29.30	30.03	29.89	30.63	31.26
	8H	25.53	26.19	26.13	26.80	27.44	30.21	30.87	30.82	31.49	32.13
	12H	25.64	26.23	26.25	26.83	27.54	31.27	31.86	31.88	32.47	33.17
12H	4H	24.96	25.75	25.55	26.34	26.96	27.67	28.45	28.25	29.04	29.67
	6H	25.64	26.31	26.25	26.92	27.56	29.34	30.00	29.94	30.61	31.25
	8H	25.92	26.51	26.53	27.12	27.82	30.32	30.91	30.93	31.51	32.22