

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: P1357530

Luminaire Tested: 8ASL4-30VHE-3-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357530
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_3500K
Description: 8FT 3000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

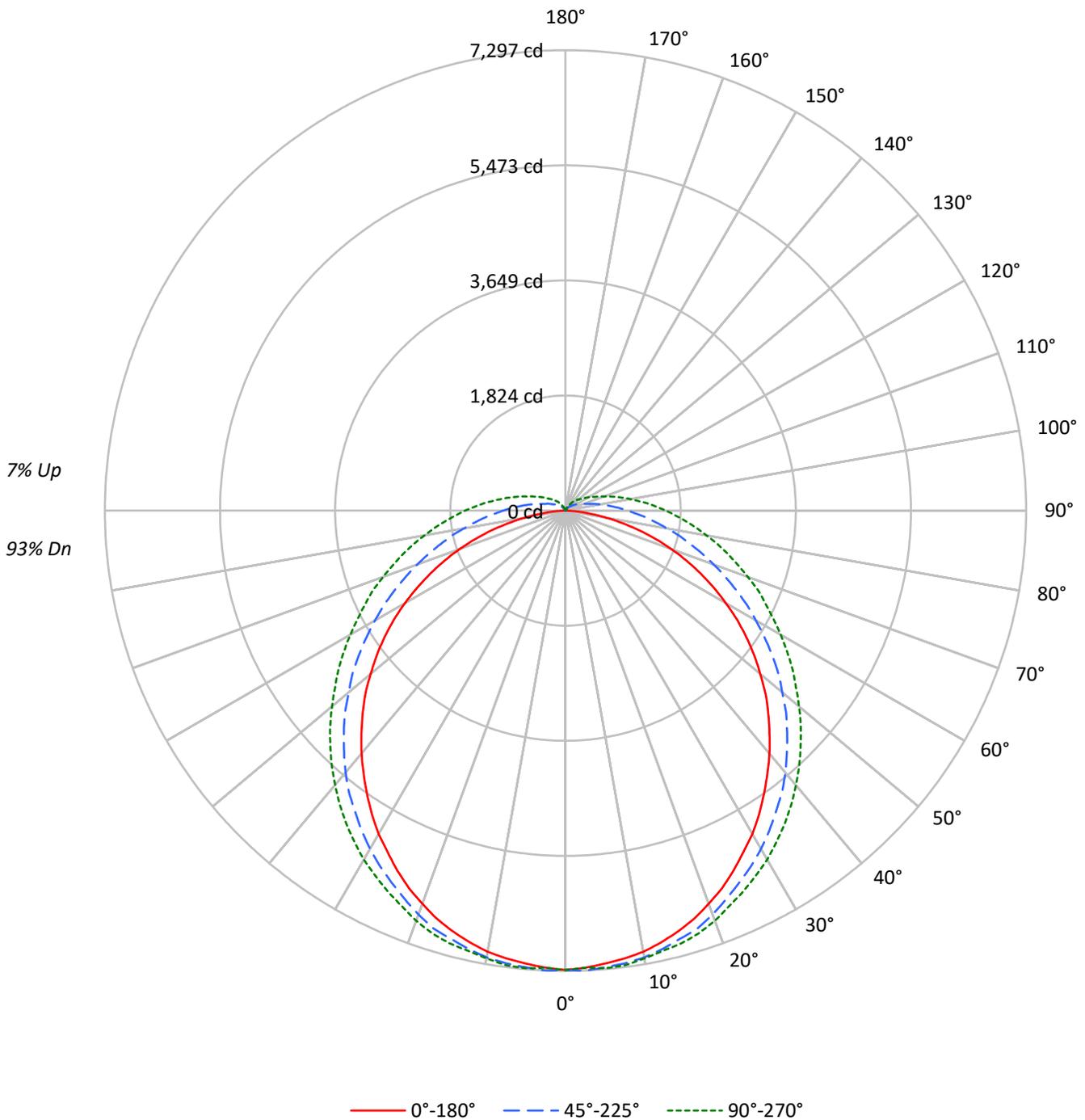
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24758.0 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: 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				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°	29469	29469	29469
5°	29241	28937	28795
10°	29110	28398	28066
15°	28822	27721	27449
20°	28422	27071	26753
25°	27952	26250	25961
30°	27454	25540	25291
35°	26830	24733	24546
40°	26265	23997	23761
45°	25658	23101	22973
50°	24965	22139	22154
55°	24223	21222	21418
60°	23246	20149	20670
65°	21999	19120	20051
70°	20406	18106	19565
75°	18058	17189	19232
80°	14454	16528	19090
85°	9176	16455	19373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.5	2.8
10°-20°	1982.5	8.0
20°-30°	2997.4	12.1
30°-40°	3629.4	14.7
40°-50°	3812.0	15.4
50°-60°	3556.4	14.4
60°-70°	2939.2	11.9
70°-80°	2116.3	8.5
80°-90°	1315.1	5.3
90°-100°	770.6	3.1
100°-110°	440.8	1.8
110°-120°	248.9	1.0
120°-130°	143.2	0.6
130°-140°	77.2	0.3
140°-150°	32.5	0.1
150°-160°	6.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5670.5	22.9
0°-40°	9299.9	37.6
0°-60°	16668.3	67.3
0°-90°	23038.9	93.1
90°-120°	1460.2	5.9
90°-150°	1713.1	6.9
90°-180°	1719.0	6.9
0°-180°	24758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7282	7282	7282	7282	7282	
5°	7206	7266	7266	7266	7282	685
15°	6903	6994	7024	7070	7100	1946
25°	6298	6404	6510	6600	6661	2901
35°	5480	5632	5813	5980	6055	3430
45°	4542	4708	4966	5177	5268	3504
55°	3497	3694	3997	4284	4390	3125
65°	2362	2589	2982	3361	3497	2337
75°	1211	1514	2044	2483	2664	1281
85°	227	681	1287	1741	1908	278
90°	0	409	984	1408	1590	10
95°	0	257	742	1135	1302	0
105°	0	91	409	712	833	0
115°	0	45	242	439	515	0
125°	0	30	151	288	333	0
135°	0	0	91	182	227	0
145°	0	0	45	106	121	0
155°	0	0	0	30	45	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°	7281.7	7281.7	7281.7	7281.7	7281.7
2.5°	7251.4	7296.8	7296.8	7251.4	7251.4
5°	7206.0	7266.5	7266.5	7266.5	7281.7
7.5°	7160.6	7236.2	7236.2	7236.2	7266.5
10°	7100.0	7175.7	7190.8	7190.8	7206.0
12.5°	7009.2	7100.0	7115.1	7130.3	7145.4
15°	6903.2	6994.0	7024.3	7069.7	7100.0
17.5°	6782.1	6888.1	6948.6	6994.0	7024.3
20°	6630.7	6736.7	6812.4	6872.9	6918.3
22.5°	6479.3	6570.1	6661.0	6736.7	6782.1
25°	6297.7	6403.6	6509.6	6600.4	6661.0
27.5°	6100.9	6222.0	6358.2	6464.2	6524.7
30°	5919.2	6040.3	6191.7	6327.9	6388.5
32.5°	5707.2	5843.5	6010.0	6146.3	6222.0
35°	5480.2	5631.6	5813.2	5979.7	6055.4
37.5°	5253.1	5404.5	5631.6	5798.1	5873.8
40°	5026.0	5177.4	5419.6	5601.3	5677.0
42.5°	4783.8	4935.2	5192.5	5389.3	5480.2
45°	4541.6	4708.1	4965.5	5177.4	5268.2
47.5°	4299.4	4465.9	4738.4	4965.5	5056.3
50°	4026.9	4208.5	4481.0	4738.4	4829.2
52.5°	3769.5	3951.2	4253.9	4511.3	4602.1
55°	3497.0	3693.8	3996.6	4284.2	4390.2
57.5°	3224.5	3421.3	3739.2	4042.0	4163.1
60°	2936.9	3148.8	3481.9	3799.8	3936.0
62.5°	2649.3	2876.3	3239.7	3572.7	3709.0
65°	2361.6	2588.7	2982.3	3360.8	3497.0
67.5°	2074.0	2316.2	2740.1	3133.7	3300.2
70°	1786.4	2043.7	2497.9	2906.6	3073.1
72.5°	1498.7	1771.2	2270.8	2694.7	2861.2
75°	1211.1	1513.9	2043.7	2482.7	2664.4
77.5°	923.5	1271.6	1846.9	2285.9	2467.6
80°	666.1	1059.7	1635.0	2089.1	2270.8
82.5°	423.9	847.8	1453.3	1907.5	2089.1
85°	227.1	681.2	1286.8	1740.9	1907.5
87.5°	75.7	529.9	1120.3	1574.4	1740.9
90°	0.0	408.7	984.0	1407.9	1589.6
92.5°	0.0	317.9	862.9	1271.6	1438.2
95°	0.0	257.4	741.8	1135.4	1301.9
97.5°	0.0	211.9	651.0	1014.3	1165.7
100°	0.0	166.5	560.1	908.3	1044.6
102.5°	0.0	136.2	484.4	802.3	938.6
105°	0.0	90.8	408.7	711.5	832.6
107.5°	0.0	75.7	348.2	635.8	741.8
110°	0.0	60.6	317.9	545.0	651.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.4	287.6	484.4	590.4
115°	0.0	45.4	242.2	439.0	514.7
117.5°	0.0	45.4	211.9	393.6	469.3
120°	0.0	30.3	196.8	348.2	423.9
122.5°	0.0	30.3	166.5	317.9	378.5
125°	0.0	30.3	151.4	287.6	333.0
127.5°	0.0	15.1	136.2	257.4	302.8
130°	0.0	15.1	121.1	227.1	272.5
132.5°	0.0	15.1	106.0	211.9	257.4
135°	0.0	0.0	90.8	181.7	227.1
137.5°	0.0	0.0	75.7	166.5	196.8
140°	0.0	0.0	60.6	136.2	181.7
142.5°	0.0	0.0	45.4	121.1	151.4
145°	0.0	0.0	45.4	106.0	121.1
147.5°	0.0	0.0	30.3	75.7	106.0
150°	0.0	0.0	15.1	60.6	75.7
152.5°	0.0	0.0	0.0	45.4	60.6
155°	0.0	0.0	0.0	30.3	45.4
157.5°	0.0	0.0	0.0	0.0	15.1
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	21.10	22.64	21.57	23.10	23.58	23.17	24.71	23.64	25.17	25.65
	3H	22.60	24.00	23.08	24.47	24.99	25.65	27.06	26.14	27.52	28.05
	4H	23.08	24.41	23.58	24.89	25.43	26.87	28.20	27.37	28.68	29.22
	6H	23.35	24.59	23.87	25.09	25.64	28.15	29.39	28.66	29.88	30.44
	8H	23.41	24.59	23.93	25.11	25.67	28.82	30.01	29.35	30.53	31.09
	12H	23.42	24.56	23.95	25.07	25.66	29.56	30.70	30.10	31.22	31.81
4H	2H	21.99	23.32	22.49	23.80	24.34	23.60	24.94	24.11	25.42	25.96
	3H	23.72	24.86	24.24	25.38	25.94	26.31	27.45	26.83	27.97	28.53
	4H	24.33	25.36	24.86	25.90	26.49	27.70	28.73	28.23	29.27	29.86
	6H	24.72	25.64	25.28	26.20	26.81	29.17	30.08	29.72	30.65	31.25
	8H	24.82	25.68	25.38	26.24	26.86	29.94	30.81	30.50	31.37	31.99
	12H	24.86	25.65	25.44	26.24	26.86	30.81	31.60	31.40	32.19	32.81
8H	4H	25.02	25.88	25.58	26.44	27.06	27.91	28.77	28.47	29.34	29.96
	6H	25.60	26.33	26.19	26.93	27.56	29.55	30.28	30.14	30.89	31.51
	8H	25.78	26.44	26.38	27.05	27.69	30.47	31.13	31.07	31.74	32.38
	12H	25.89	26.48	26.50	27.09	27.79	31.52	32.11	32.13	32.72	33.42
12H	4H	25.22	26.00	25.80	26.59	27.21	27.92	28.70	28.50	29.29	29.92
	6H	25.90	26.56	26.50	27.17	27.81	29.59	30.25	30.19	30.86	31.50
	8H	26.18	26.77	26.78	27.37	28.07	30.57	31.16	31.18	31.76	32.47