

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: P1357514

Luminaire Tested: 8ASL4-25VHE-3-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357514
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: 8ASL4-25VHE-3-92765-UNV_3000K
Description: 8FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

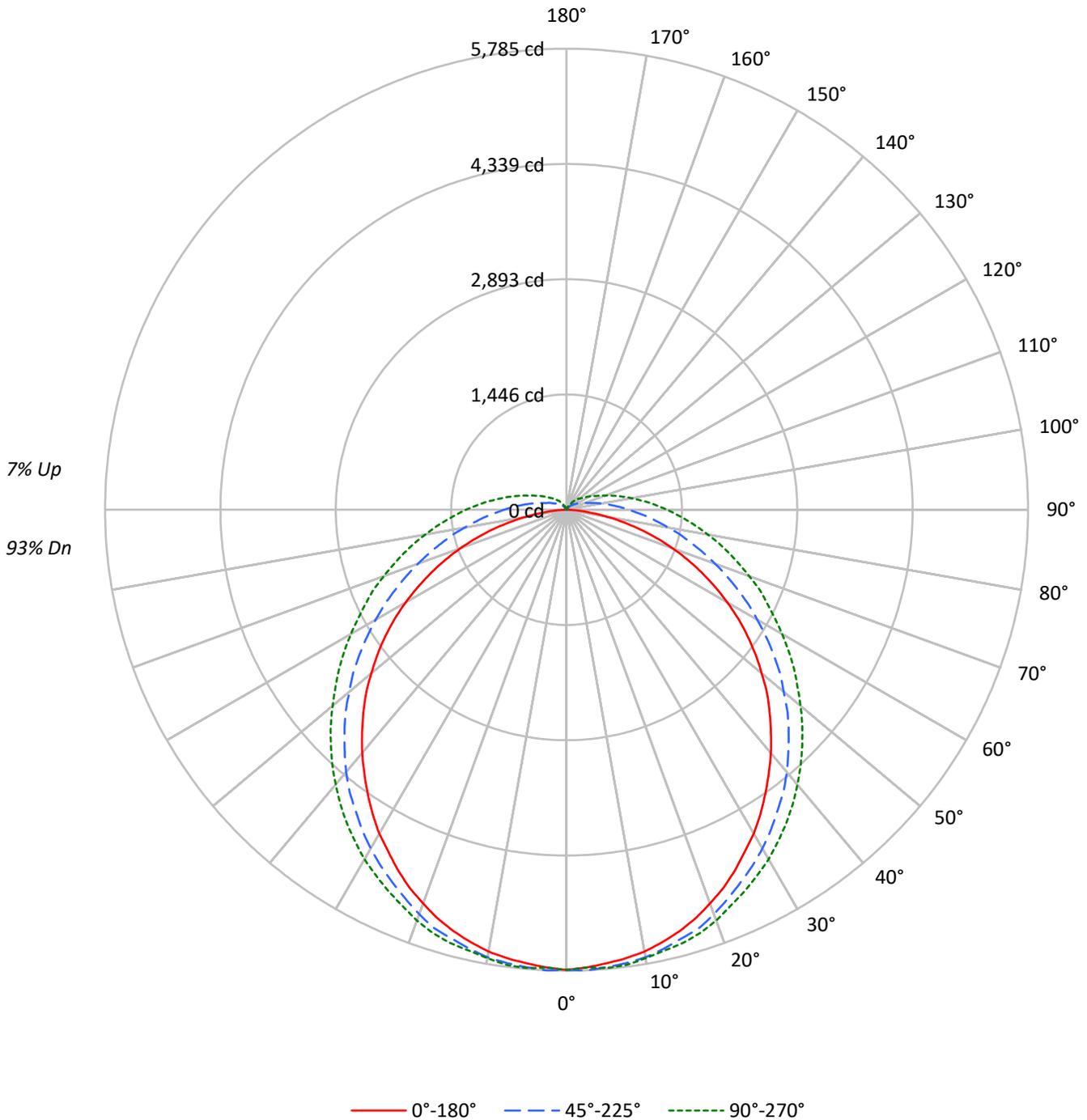
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19630.0 lumens
Efficiency: N/A
Efficacy: 106.6 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): 184.2
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°	23365	23365	23365
5°	23184	22944	22830
10°	23081	22516	22253
15°	22853	21979	21764
20°	22535	21464	21212
25°	22162	20813	20584
30°	21768	20250	20053
35°	21273	19611	19462
40°	20825	19027	18839
45°	20344	18316	18214
50°	19794	17554	17566
55°	19206	16826	16982
60°	18431	15976	16389
65°	17443	15160	15898
70°	16180	14355	15513
75°	14317	13629	15248
80°	11459	13104	15136
85°	7273	13047	15361

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.5	2.8
10°-20°	1571.9	8.0
20°-30°	2376.6	12.1
30°-40°	2877.7	14.7
40°-50°	3022.4	15.4
50°-60°	2819.8	14.4
60°-70°	2330.4	11.9
70°-80°	1677.9	8.5
80°-90°	1042.7	5.3
90°-100°	611.0	3.1
100°-110°	349.5	1.8
110°-120°	197.3	1.0
120°-130°	113.6	0.6
130°-140°	61.2	0.3
140°-150°	25.7	0.1
150°-160°	4.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4496.0	22.9
0°-40°	7373.7	37.6
0°-60°	13215.9	67.3
0°-90°	18266.9	93.1
90°-120°	1157.8	5.9
90°-150°	1358.3	6.9
90°-180°	1363.0	6.9
0°-180°	19630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5773	5773	5773	5773	5773	
5°	5713	5761	5761	5761	5773	543
15°	5473	5545	5569	5605	5629	1543
25°	4993	5077	5161	5233	5281	2300
35°	4345	4465	4609	4741	4801	2720
45°	3601	3733	3937	4105	4177	2778
55°	2773	2929	3169	3397	3481	2477
65°	1872	2052	2365	2665	2773	1853
75°	960	1200	1620	1968	2112	1016
85°	180	540	1020	1380	1512	220
90°	0	324	780	1116	1260	8
95°	0	204	588	900	1032	0
105°	0	72	324	564	660	0
115°	0	36	192	348	408	0
125°	0	24	120	228	264	0
135°	0	0	72	144	180	0
145°	0	0	36	84	96	0
155°	0	0	0	24	36	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357514
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5773.4	5773.4	5773.4	5773.4	5773.4
2.5°	5749.4	5785.4	5785.4	5749.4	5749.4
5°	5713.4	5761.4	5761.4	5761.4	5773.4
7.5°	5677.4	5737.4	5737.4	5737.4	5761.4
10°	5629.4	5689.4	5701.4	5701.4	5713.4
12.5°	5557.4	5629.4	5641.4	5653.4	5665.4
15°	5473.4	5545.4	5569.4	5605.4	5629.4
17.5°	5377.3	5461.4	5509.4	5545.4	5569.4
20°	5257.3	5341.3	5401.4	5449.4	5485.4
22.5°	5137.3	5209.3	5281.3	5341.3	5377.3
25°	4993.3	5077.3	5161.3	5233.3	5281.3
27.5°	4837.2	4933.2	5041.3	5125.3	5173.3
30°	4693.2	4789.2	4909.2	5017.3	5065.3
32.5°	4525.1	4633.2	4765.2	4873.2	4933.2
35°	4345.1	4465.1	4609.2	4741.2	4801.2
37.5°	4165.0	4285.1	4465.1	4597.2	4657.2
40°	3985.0	4105.0	4297.1	4441.1	4501.1
42.5°	3793.0	3913.0	4117.0	4273.1	4345.1
45°	3600.9	3732.9	3937.0	4105.0	4177.0
47.5°	3408.9	3540.9	3756.9	3937.0	4009.0
50°	3192.8	3336.8	3552.9	3756.9	3829.0
52.5°	2988.7	3132.8	3372.8	3576.9	3648.9
55°	2772.7	2928.7	3168.8	3396.9	3480.9
57.5°	2556.6	2712.7	2964.7	3204.8	3300.8
60°	2328.6	2496.6	2760.7	3012.8	3120.8
62.5°	2100.5	2280.6	2568.6	2832.7	2940.7
65°	1872.5	2052.5	2364.6	2664.7	2772.7
67.5°	1644.4	1836.5	2172.5	2484.6	2616.7
70°	1416.4	1620.4	1980.5	2304.6	2436.6
72.5°	1188.3	1404.4	1800.5	2136.5	2268.6
75°	960.2	1200.3	1620.4	1968.5	2112.5
77.5°	732.2	1008.3	1464.4	1812.5	1956.5
80°	528.1	840.2	1296.3	1656.4	1800.5
82.5°	336.1	672.2	1152.3	1512.4	1656.4
85°	180.0	540.1	1020.3	1380.3	1512.4
87.5°	60.0	420.1	888.2	1248.3	1380.3
90°	0.0	324.1	780.2	1116.3	1260.3
92.5°	0.0	252.1	684.2	1008.3	1140.3
95°	0.0	204.1	588.1	900.2	1032.3
97.5°	0.0	168.0	516.1	804.2	924.2
100°	0.0	132.0	444.1	720.2	828.2
102.5°	0.0	108.0	384.1	636.2	744.2
105°	0.0	72.0	324.1	564.1	660.2
107.5°	0.0	60.0	276.1	504.1	588.1
110°	0.0	48.0	252.1	432.1	516.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.0	228.1	384.1	468.1
115°	0.0	36.0	192.0	348.1	408.1
117.5°	0.0	36.0	168.0	312.1	372.1
120°	0.0	24.0	156.0	276.1	336.1
122.5°	0.0	24.0	132.0	252.1	300.1
125°	0.0	24.0	120.0	228.1	264.1
127.5°	0.0	12.0	108.0	204.1	240.1
130°	0.0	12.0	96.0	180.0	216.1
132.5°	0.0	12.0	84.0	168.0	204.1
135°	0.0	0.0	72.0	144.0	180.0
137.5°	0.0	0.0	60.0	132.0	156.0
140°	0.0	0.0	48.0	108.0	144.0
142.5°	0.0	0.0	36.0	96.0	120.0
145°	0.0	0.0	36.0	84.0	96.0
147.5°	0.0	0.0	24.0	60.0	84.0
150°	0.0	0.0	12.0	48.0	60.0
152.5°	0.0	0.0	0.0	36.0	48.0
155°	0.0	0.0	0.0	24.0	36.0
157.5°	0.0	0.0	0.0	0.0	12.0
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	20.30	21.84	20.77	22.29	22.77	22.37	23.91	22.83	24.36	24.84
	3H	21.79	23.20	22.27	23.66	24.19	24.85	26.25	25.33	26.72	27.24
	4H	22.27	23.60	22.77	24.09	24.62	26.06	27.39	26.56	27.88	28.41
	6H	22.55	23.79	23.06	24.28	24.84	27.34	28.58	27.86	29.08	29.63
	8H	22.60	23.79	23.13	24.31	24.87	28.01	29.20	28.54	29.72	30.28
	12H	22.61	23.75	23.15	24.27	24.86	28.76	29.90	29.29	30.41	31.00
4H	2H	21.18	22.51	21.68	22.99	23.53	22.80	24.13	23.30	24.61	25.15
	3H	22.92	24.05	23.43	24.58	25.14	25.51	26.64	26.02	27.17	27.73
	4H	23.52	24.56	24.06	25.09	25.69	26.89	27.93	27.42	28.46	29.06
	6H	23.92	24.83	24.47	25.40	26.00	28.36	29.28	28.92	29.84	30.45
	8H	24.01	24.87	24.57	25.44	26.06	29.14	30.00	29.70	30.56	31.18
	12H	24.06	24.84	24.64	25.43	26.05	30.01	30.79	30.59	31.38	32.01
8H	4H	24.21	25.07	24.77	25.64	26.26	27.10	27.97	27.66	28.53	29.15
	6H	24.79	25.52	25.38	26.13	26.75	28.74	29.48	29.34	30.08	30.71
	8H	24.97	25.63	25.58	26.25	26.88	29.66	30.32	30.27	30.94	31.57
	12H	25.09	25.68	25.69	26.28	26.98	30.72	31.31	31.32	31.91	32.62
12H	4H	24.41	25.19	24.99	25.78	26.41	27.11	27.90	27.69	28.49	29.11
	6H	25.09	25.75	25.69	26.37	27.00	28.78	29.44	29.39	30.06	30.69
	8H	25.37	25.96	25.98	26.56	27.27	29.77	30.36	30.37	30.96	31.66