

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: P1357518

Luminaire Tested: 8ASL4-25VHE-3-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357518
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_6500K
Description: 8FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

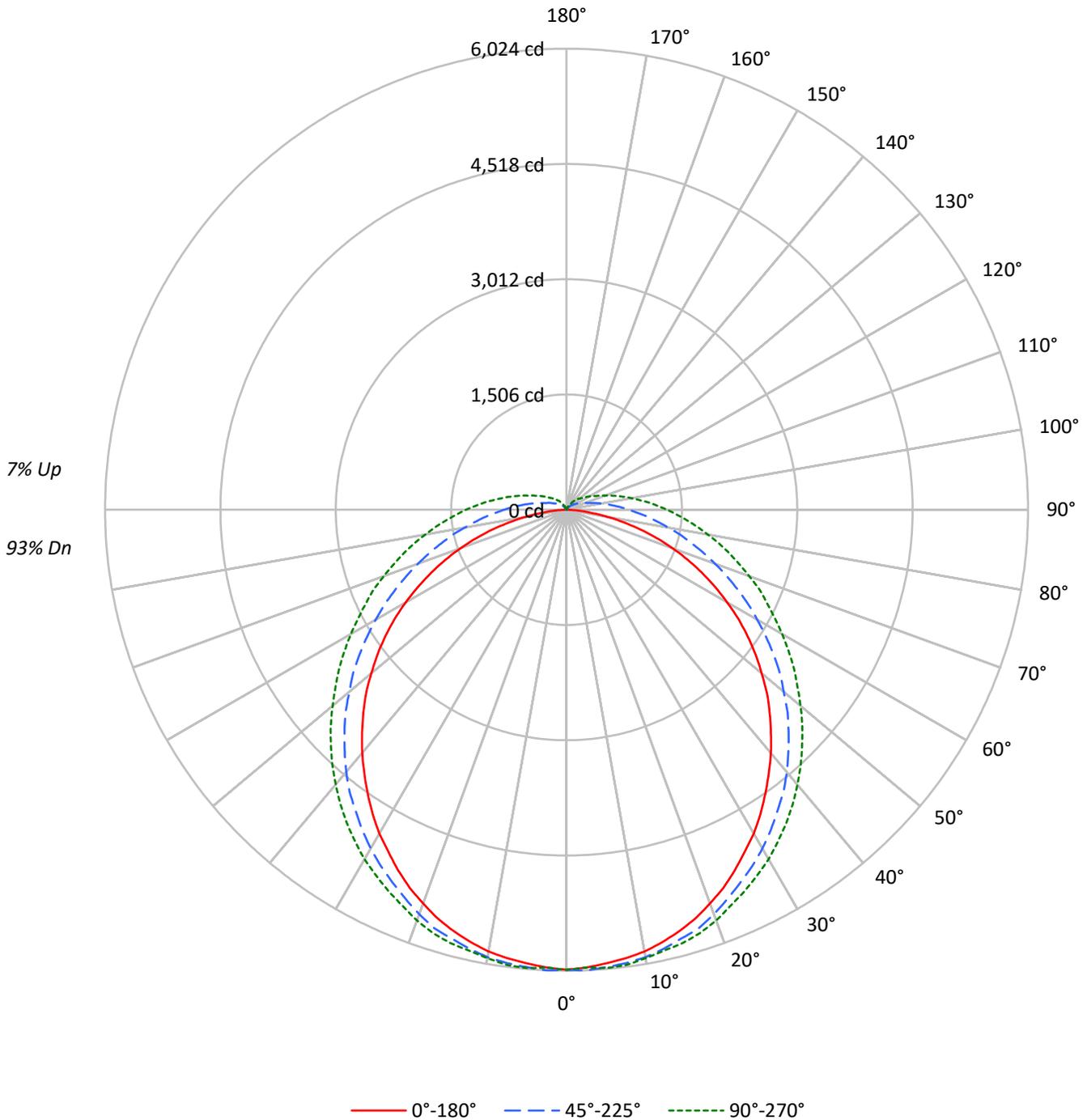
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20439.0 lumens
Efficiency: N/A
Efficacy: 111.0 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°	24328	24328	24328
5°	24140	23889	23771
10°	24032	23444	23170
15°	23794	22885	22661
20°	23464	22349	22086
25°	23075	21671	21432
30°	22665	21085	20879
35°	22149	20419	20264
40°	21683	19811	19616
45°	21182	19071	18965
50°	20610	18277	18290
55°	19997	17520	17681
60°	19191	16634	17064
65°	18161	15784	16553
70°	16846	14947	16152
75°	14907	14190	15877
80°	11933	13644	15760
85°	7576	13584	15993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21182 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.0	2.8
10°-20°	1636.7	8.0
20°-30°	2474.5	12.1
30°-40°	2996.3	14.7
40°-50°	3147.0	15.4
50°-60°	2936.0	14.4
60°-70°	2426.5	11.9
70°-80°	1747.1	8.5
80°-90°	1085.7	5.3
90°-100°	636.2	3.1
100°-110°	363.9	1.8
110°-120°	205.5	1.0
120°-130°	118.3	0.6
130°-140°	63.7	0.3
140°-150°	26.8	0.1
150°-160°	5.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4681.3	22.9
0°-40°	7677.5	37.6
0°-60°	13760.6	67.3
0°-90°	19019.8	93.1
90°-120°	1205.5	5.9
90°-150°	1414.3	6.9
90°-180°	1419.0	6.9
0°-180°	20439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6011	6011	6011	6011	6011	
5°	5949	5999	5999	5999	6011	565
15°	5699	5774	5799	5836	5861	1607
25°	5199	5286	5374	5449	5499	2395
35°	4524	4649	4799	4937	4999	2832
45°	3749	3887	4099	4274	4349	2893
55°	2887	3049	3299	3537	3624	2580
65°	1950	2137	2462	2774	2887	1929
75°	1000	1250	1687	2050	2200	1057
85°	188	562	1062	1437	1575	229
90°	0	337	812	1162	1312	9
95°	0	212	612	937	1075	0
105°	0	75	337	587	687	0
115°	0	38	200	362	425	0
125°	0	25	125	238	275	0
135°	0	0	75	150	188	0
145°	0	0	38	88	100	0
155°	0	0	0	25	38	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°	6011.4	6011.4	6011.4	6011.4	6011.4
2.5°	5986.4	6023.9	6023.9	5986.4	5986.4
5°	5948.9	5998.9	5998.9	5998.9	6011.4
7.5°	5911.4	5973.9	5973.9	5973.9	5998.9
10°	5861.4	5923.9	5936.4	5936.4	5948.9
12.5°	5786.4	5861.4	5873.9	5886.4	5898.9
15°	5698.9	5773.9	5798.9	5836.4	5861.4
17.5°	5599.0	5686.4	5736.4	5773.9	5798.9
20°	5474.0	5561.5	5624.0	5673.9	5711.4
22.5°	5349.0	5424.0	5499.0	5561.5	5599.0
25°	5199.0	5286.5	5374.0	5449.0	5499.0
27.5°	5036.6	5136.5	5249.0	5336.5	5386.5
30°	4886.6	4986.6	5111.6	5224.0	5274.0
32.5°	4711.6	4824.1	4961.6	5074.1	5136.5
35°	4524.2	4649.1	4799.1	4936.6	4999.1
37.5°	4336.7	4461.7	4649.1	4786.6	4849.1
40°	4149.2	4274.2	4474.2	4624.1	4686.6
42.5°	3949.3	4074.2	4286.7	4449.2	4524.2
45°	3749.3	3886.8	4099.2	4274.2	4349.2
47.5°	3549.3	3686.8	3911.8	4099.2	4174.2
50°	3324.4	3474.4	3699.3	3911.8	3986.8
52.5°	3111.9	3261.9	3511.8	3724.3	3799.3
55°	2887.0	3049.4	3299.4	3536.8	3624.3
57.5°	2662.0	2824.5	3086.9	3336.9	3436.9
60°	2424.6	2599.5	2874.5	3136.9	3249.4
62.5°	2187.1	2374.6	2674.5	2949.5	3061.9
65°	1949.6	2137.1	2462.0	2774.5	2887.0
67.5°	1712.2	1912.1	2262.1	2587.0	2724.5
70°	1474.7	1687.2	2062.1	2399.6	2537.0
72.5°	1237.3	1462.2	1874.7	2224.6	2362.1
75°	999.8	1249.8	1687.2	2049.6	2199.6
77.5°	762.4	1049.8	1524.7	1887.1	2037.1
80°	549.9	874.8	1349.7	1724.7	1874.7
82.5°	349.9	699.9	1199.8	1574.7	1724.7
85°	187.5	562.4	1062.3	1437.2	1574.7
87.5°	62.5	437.4	924.8	1299.8	1437.2
90°	0.0	337.4	812.3	1162.3	1312.3
92.5°	0.0	262.5	712.4	1049.8	1187.3
95°	0.0	212.5	612.4	937.3	1074.8
97.5°	0.0	175.0	537.4	837.3	962.3
100°	0.0	137.5	462.4	749.9	862.3
102.5°	0.0	112.5	399.9	662.4	774.9
105°	0.0	75.0	337.4	587.4	687.4
107.5°	0.0	62.5	287.4	524.9	612.4
110°	0.0	50.0	262.5	449.9	537.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.5	237.5	399.9	487.4
115°	0.0	37.5	200.0	362.4	424.9
117.5°	0.0	37.5	175.0	324.9	387.4
120°	0.0	25.0	162.5	287.4	349.9
122.5°	0.0	25.0	137.5	262.5	312.4
125°	0.0	25.0	125.0	237.5	274.9
127.5°	0.0	12.5	112.5	212.5	250.0
130°	0.0	12.5	100.0	187.5	225.0
132.5°	0.0	12.5	87.5	175.0	212.5
135°	0.0	0.0	75.0	150.0	187.5
137.5°	0.0	0.0	62.5	137.5	162.5
140°	0.0	0.0	50.0	112.5	150.0
142.5°	0.0	0.0	37.5	100.0	125.0
145°	0.0	0.0	37.5	87.5	100.0
147.5°	0.0	0.0	25.0	62.5	87.5
150°	0.0	0.0	12.5	50.0	62.5
152.5°	0.0	0.0	0.0	37.5	50.0
155°	0.0	0.0	0.0	25.0	37.5
157.5°	0.0	0.0	0.0	0.0	12.5
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	20.44	21.98	20.91	22.43	22.92	22.51	24.05	22.97	24.50	24.98
	3H	21.93	23.34	22.41	23.80	24.33	24.99	26.39	25.47	26.86	27.38
	4H	22.41	23.74	22.92	24.23	24.76	26.20	27.53	26.70	28.02	28.55
	6H	22.69	23.93	23.20	24.42	24.98	27.48	28.72	28.00	29.22	29.77
	8H	22.74	23.93	23.27	24.45	25.01	28.15	29.34	28.68	29.86	30.42
	12H	22.75	23.89	23.29	24.41	25.00	28.90	30.04	29.43	30.55	31.14
4H	2H	21.32	22.65	21.82	23.14	23.67	22.94	24.27	23.44	24.75	25.29
	3H	23.06	24.19	23.57	24.72	25.28	25.65	26.78	26.16	27.31	27.87
	4H	23.66	24.70	24.20	25.23	25.83	27.03	28.07	27.57	28.60	29.20
	6H	24.06	24.97	24.61	25.54	26.14	28.50	29.42	29.06	29.98	30.59
	8H	24.15	25.01	24.71	25.58	26.20	29.28	30.14	29.84	30.70	31.32
	12H	24.20	24.98	24.78	25.57	26.19	30.15	30.93	30.73	31.52	32.15
8H	4H	24.35	25.21	24.91	25.78	26.40	27.24	28.11	27.81	28.67	29.29
	6H	24.93	25.66	25.52	26.27	26.89	28.89	29.62	29.48	30.22	30.85
	8H	25.11	25.77	25.72	26.39	27.02	29.80	30.46	30.41	31.08	31.71
	12H	25.23	25.82	25.83	26.42	27.12	30.86	31.45	31.46	32.05	32.76
12H	4H	24.55	25.33	25.13	25.92	26.55	27.25	28.04	27.83	28.63	29.25
	6H	25.23	25.89	25.83	26.51	27.14	28.92	29.58	29.53	30.20	30.84
	8H	25.51	26.10	26.12	26.70	27.41	29.91	30.50	30.51	31.10	31.80