

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: P1357149

Luminaire Tested: 4ASL4-15HE-2-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 4ASL4-15HE-2-92765-UNV_3500K
Description: 4FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

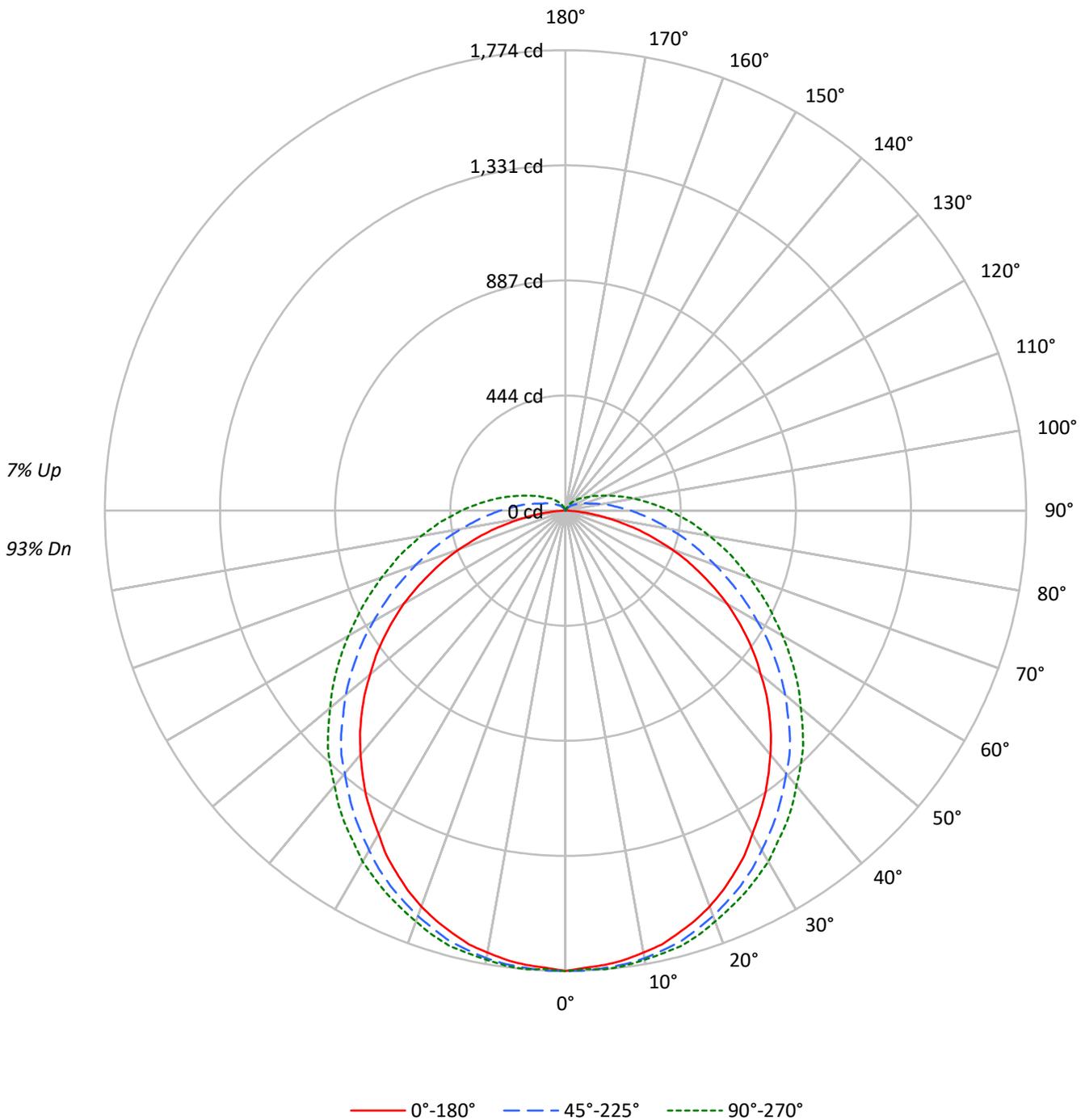
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6090.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 3.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 54.1
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	2.8
10°-20°	483.6	7.9
20°-30°	732.8	12.0
30°-40°	886.2	14.6
40°-50°	934.3	15.3
50°-60°	872.0	14.3
60°-70°	719.9	11.8
70°-80°	522.3	8.6
80°-90°	330.0	5.4
90°-100°	197.0	3.2
100°-110°	112.9	1.9
110°-120°	64.1	1.1
120°-130°	36.6	0.6
130°-140°	19.8	0.3
140°-150°	8.7	0.1
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1384.6	22.7
0°-40°	2270.8	37.3
0°-60°	4077.1	66.9
0°-90°	5649.3	92.8
90°-120°	374.0	6.1
90°-150°	439.1	7.2
90°-180°	441.0	7.2
0°-180°	6090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1774	1774	1774	1774	1774	
5°	1757	1774	1768	1768	1774	167
15°	1685	1707	1718	1724	1735	475
25°	1540	1562	1595	1618	1629	709
35°	1339	1372	1422	1462	1478	837
45°	1110	1155	1222	1272	1294	856
55°	854	904	982	1049	1077	763
65°	575	636	731	820	859	571
75°	296	374	508	614	658	311
85°	56	173	324	435	480	68
90°	0	106	251	357	402	2
95°	0	67	190	290	329	0
105°	0	22	106	184	212	0
115°	0	11	61	112	134	0
125°	0	6	39	72	84	0
135°	0	0	22	45	56	0
145°	0	0	11	28	34	0
155°	0	0	0	6	11	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°	1774.0	1774.0	1774.0	1774.0	1774.0
2.5°	1762.8	1779.5	1774.0	1768.4	1768.4
5°	1757.2	1774.0	1768.4	1768.4	1774.0
7.5°	1746.1	1762.8	1762.8	1762.8	1768.4
10°	1729.3	1751.6	1751.6	1751.6	1757.2
12.5°	1712.6	1729.3	1734.9	1740.5	1746.1
15°	1684.7	1707.0	1718.2	1723.7	1734.9
17.5°	1656.8	1673.5	1690.3	1707.0	1712.6
20°	1623.3	1645.6	1662.4	1679.1	1684.7
22.5°	1584.3	1606.6	1628.9	1645.6	1656.8
25°	1539.7	1562.0	1595.4	1617.8	1628.9
27.5°	1495.0	1517.3	1556.4	1584.3	1595.4
30°	1439.2	1472.7	1511.8	1545.2	1562.0
32.5°	1389.0	1422.5	1467.1	1506.2	1517.3
35°	1338.8	1372.3	1422.5	1461.6	1478.3
37.5°	1283.0	1322.1	1372.3	1416.9	1433.7
40°	1227.3	1266.3	1322.1	1372.3	1383.5
42.5°	1171.5	1210.5	1277.5	1322.1	1338.8
45°	1110.1	1154.7	1221.7	1271.9	1294.2
47.5°	1048.8	1093.4	1160.3	1216.1	1238.4
50°	981.8	1032.0	1104.5	1160.3	1182.6
52.5°	920.4	970.7	1043.2	1104.5	1132.4
55°	853.5	903.7	981.8	1048.8	1076.6
57.5°	786.6	836.8	920.4	993.0	1020.9
60°	719.6	769.8	853.5	937.2	965.1
62.5°	647.1	702.9	792.1	875.8	909.3
65°	574.6	635.9	730.8	820.0	859.1
67.5°	507.6	569.0	669.4	769.8	803.3
70°	435.1	502.1	613.6	714.0	753.1
72.5°	362.6	435.1	557.8	663.8	702.9
75°	295.7	373.8	507.6	613.6	658.3
77.5°	223.1	318.0	457.4	569.0	608.1
80°	161.8	262.2	407.2	524.4	563.4
82.5°	106.0	212.0	362.6	479.7	518.8
85°	55.8	172.9	323.6	435.1	479.7
87.5°	16.7	133.9	284.5	396.1	435.1
90°	0.0	106.0	251.0	357.0	401.6
92.5°	0.0	83.7	217.6	323.6	362.6
95°	0.0	66.9	189.7	290.1	329.1
97.5°	0.0	55.8	167.4	262.2	295.7
100°	0.0	44.6	145.0	234.3	267.8
102.5°	0.0	33.5	122.7	206.4	239.9
105°	0.0	22.3	106.0	184.1	212.0
107.5°	0.0	16.7	89.3	161.8	189.7
110°	0.0	16.7	83.7	139.5	167.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.2	72.5	128.3	150.6
115°	0.0	11.2	61.4	111.6	133.9
117.5°	0.0	11.2	55.8	100.4	122.7
120°	0.0	11.2	50.2	89.3	106.0
122.5°	0.0	5.6	44.6	78.1	94.8
125°	0.0	5.6	39.0	72.5	83.7
127.5°	0.0	5.6	33.5	66.9	78.1
130°	0.0	5.6	33.5	61.4	72.5
132.5°	0.0	0.0	27.9	55.8	66.9
135°	0.0	0.0	22.3	44.6	55.8
137.5°	0.0	0.0	22.3	39.0	50.2
140°	0.0	0.0	16.7	39.0	44.6
142.5°	0.0	0.0	11.2	33.5	39.0
145°	0.0	0.0	11.2	27.9	33.5
147.5°	0.0	0.0	5.6	22.3	27.9
150°	0.0	0.0	5.6	16.7	22.3
152.5°	0.0	0.0	0.0	11.2	16.7
155°	0.0	0.0	0.0	5.6	11.2
157.5°	0.0	0.0	0.0	0.0	5.6
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	18.58	20.11	19.05	20.57	21.06	20.64	22.17	21.11	22.63	23.12
	3H	20.08	21.48	20.57	21.95	22.48	23.09	24.49	23.57	24.96	25.49
	4H	20.56	21.89	21.07	22.38	22.92	24.30	25.63	24.80	26.11	26.66
	6H	20.84	22.07	21.35	22.57	23.13	25.57	26.81	26.09	27.31	27.87
	8H	20.89	22.07	21.42	22.60	23.17	26.23	27.41	26.76	27.94	28.50
	12H	20.90	22.04	21.44	22.56	23.16	26.96	28.09	27.50	28.61	29.21
4H	2H	19.46	20.79	19.96	21.27	21.82	21.07	22.40	21.58	22.88	23.43
	3H	21.20	22.33	21.72	22.86	23.43	23.75	24.88	24.27	25.41	25.98
	4H	21.81	22.85	22.35	23.39	23.99	25.13	26.17	25.67	26.71	27.31
	6H	22.21	23.13	22.77	23.69	24.31	26.60	27.52	27.16	28.09	28.70
	8H	22.31	23.17	22.87	23.74	24.36	27.37	28.23	27.93	28.80	29.42
	12H	22.36	23.14	22.94	23.73	24.36	28.22	29.01	28.81	29.60	30.23
8H	4H	22.50	23.37	23.07	23.93	24.56	25.35	26.22	25.92	26.78	27.41
	6H	23.09	23.82	23.69	24.43	25.06	27.00	27.73	27.59	28.34	28.97
	8H	23.28	23.94	23.89	24.56	25.20	27.91	28.57	28.52	29.19	29.83
	12H	23.40	23.99	24.01	24.60	25.31	28.95	29.54	29.56	30.15	30.86
12H	4H	22.70	23.49	23.29	24.08	24.71	25.36	26.15	25.95	26.74	27.37
	6H	23.39	24.06	24.00	24.67	25.32	27.04	27.70	27.64	28.32	28.96
	8H	23.68	24.27	24.29	24.88	25.59	28.02	28.61	28.63	29.21	29.92