

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: IRiS

Report Number: P1336399

Luminaire Tested: P3A05R159730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

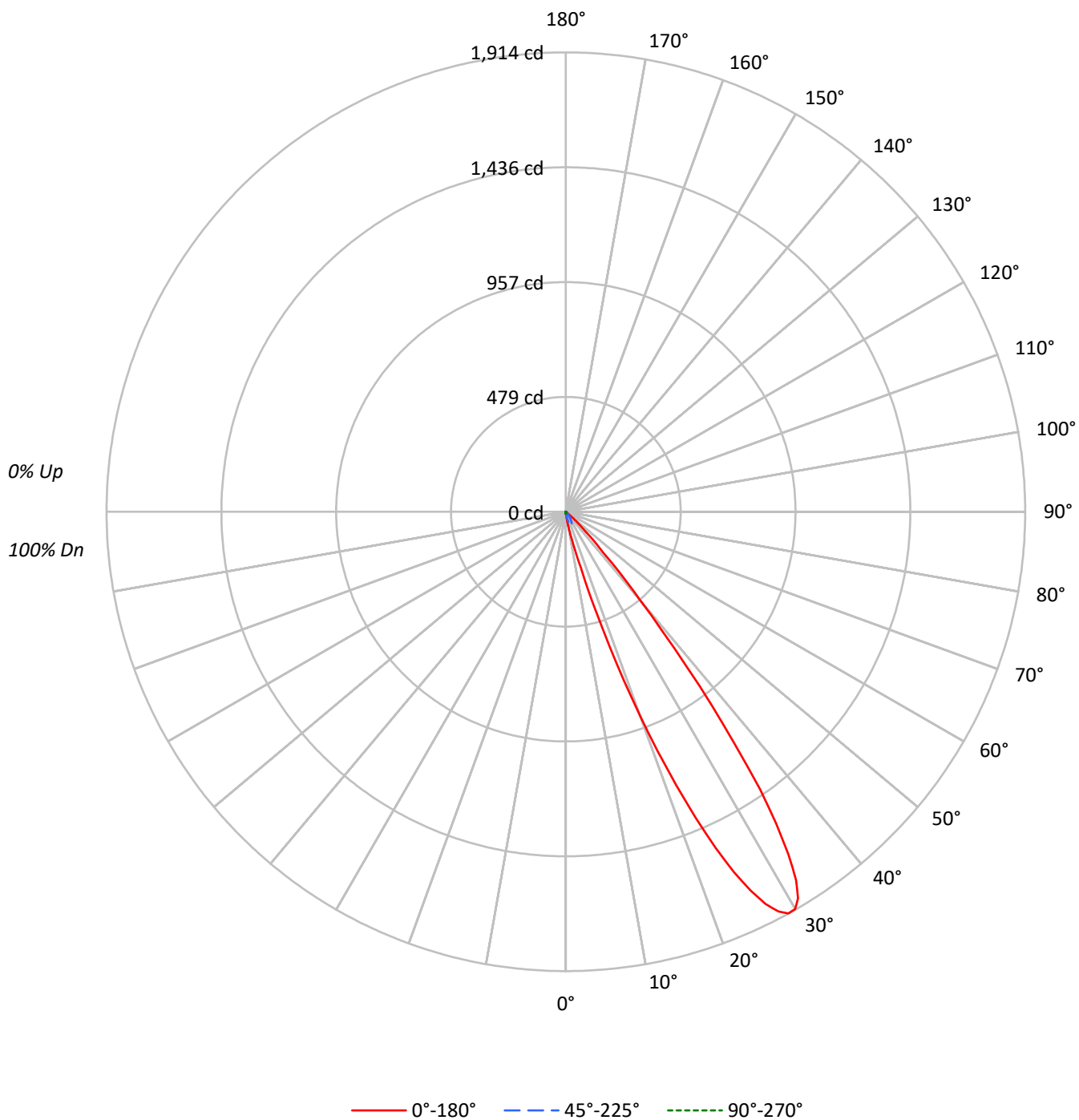
Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1513	1513	1513	1513	1513
5°	3258	2421	1431	770	616
10°	14495	4565	1136	312	223
15°	54779	10579	795	136	91
20°	210695	14888	467	47	47
25°	400644	13960	242	0	0
30°	483999	11268	101	0	0
35°	377473	7683	54	0	0
40°	137744	3779	57	0	57
45°	35384	1147	62	0	124
50°	5970	136	68	68	205
55°	765	0	153	229	382
60°	88	88	263	351	526
65°	104	104	415	519	623
70°	128	128	513	513	641
75°	169	169	678	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35384 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	16.0	7.7
20°-30°	88.8	42.5
30°-40°	85.8	41.1
40°-50°	14.9	7.1
50°-60°	1.1	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	105.8	50.6
0°-40°	191.6	91.7
0°-60°	207.6	99.3
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	6	4	3	3
15°	241	47	4	1	0	108
25°	1656	58	1	0	0	740
35°	1410	29	0	0	0	811
45°	114	4	0	0	0	123
55°	2	0	0	1	1	4
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	10.2	9.8	10.0	10.0	10.0	10.0	10.0	9.6	9.6	9.8	8.7
5°	14.8	14.8	14.6	14.8	14.8	14.6	14.2	14.0	14.0	13.6	11.0
7.5°	29.7	29.3	29.3	28.9	26.8	26.2	25.8	24.8	23.0	22.6	14.2
10°	65.1	65.3	63.8	62.0	61.8	58.8	57.7	55.9	52.5	49.0	20.5
12.5°	118.1	115.5	112.0	112.2	106.3	104.3	99.6	94.5	89.3	83.8	33.7
15°	241.3	233.8	238.3	227.3	214.9	200.9	186.6	168.7	153.5	137.2	46.6
17.5°	508.3	515.6	503.2	456.2	427.3	393.4	345.6	299.5	260.0	228.3	56.9
20°	902.9	913.7	871.6	830.7	760.6	684.1	604.4	514.2	427.8	352.9	63.8
21°	1067.8	1061.2	1044.0	978.5	897.6	808.9	711.4	611.7	507.0	409.9	64.4
22°	1227.1	1230.2	1189.9	1121.4	1037.3	939.1	819.9	696.9	584.1	456.2	63.4
23°	1385.9	1395.7	1342.4	1278.2	1172.3	1061.5	923.6	790.9	651.4	509.3	61.4
24°	1532.9	1526.2	1490.2	1409.3	1296.1	1166.4	1023.2	862.2	706.7	554.6	59.8
25°	1655.9	1655.1	1598.6	1519.9	1390.4	1246.7	1088.9	920.6	754.1	585.3	57.7
26°	1756.6	1740.1	1695.6	1599.6	1471.7	1320.1	1142.8	963.1	780.7	600.8	55.7
27°	1834.2	1822.4	1762.6	1662.8	1529.3	1361.5	1177.3	984.2	792.9	605.8	53.1
28°	1886.5	1873.7	1810.0	1707.1	1561.0	1387.6	1195.6	993.1	792.9	601.0	50.6
29°	1913.5	1896.0	1832.6	1722.4	1568.3	1390.6	1191.2	984.4	780.5	585.9	47.8
30°	1911.5	1889.7	1823.2	1708.6	1546.5	1365.6	1166.2	952.9	752.4	563.6	44.5
31°	1878.5	1854.1	1779.9	1661.8	1501.6	1318.4	1119.0	910.6	714.0	534.5	41.3
32°	1811.6	1780.7	1708.4	1590.7	1432.5	1247.9	1050.5	845.3	656.5	492.0	37.8
33°	1702.7	1671.6	1593.9	1483.5	1339.0	1158.4	959.6	775.2	591.0	441.4	35.0
34°	1566.3	1537.8	1470.9	1359.7	1221.0	1045.2	855.1	678.2	523.1	391.2	31.9
35°	1410.1	1364.8	1304.2	1216.2	1081.0	904.1	742.3	588.0	453.2	338.5	28.7
36°	1198.9	1207.0	1142.8	1035.0	923.0	784.3	629.0	490.2	379.0	288.5	25.8
37°	1011.6	998.8	958.0	874.6	777.0	639.4	527.2	415.6	318.8	244.0	22.8
38°	816.1	818.9	778.9	714.8	618.0	525.7	424.3	341.3	266.7	207.6	19.9
39°	638.8	636.5	625.8	566.4	478.8	418.2	343.8	283.0	222.2	175.0	16.9
40°	481.2	484.9	459.7	423.9	372.9	323.1	273.9	225.7	183.8	147.6	13.2
42.5°	234.0	239.7	223.0	213.9	191.3	171.8	145.0	118.3	100.6	87.0	5.9
45°	114.1	110.8	109.4	104.9	99.6	89.0	78.9	67.7	59.2	51.0	3.7
47.5°	58.3	56.7	56.7	54.9	53.1	49.6	44.5	40.9	36.8	31.7	1.4
50°	17.5	17.3	17.1	17.3	16.7	17.3	17.7	17.9	16.3	16.1	0.4
52.5°	6.9	7.1	6.9	7.5	7.5	7.3	7.5	7.3	7.1	6.3	0.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.2	2.4	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	8.1	7.1	5.9	4.9	4.5	4.3
5°	8.7	6.5	4.5	3.5	3.0	2.8
7.5°	9.4	5.9	3.5	2.4	1.8	1.6
10°	9.8	5.1	2.6	1.4	1.0	1.0
12.5°	9.8	4.1	1.8	0.8	0.6	0.6
15°	9.6	3.5	1.2	0.6	0.4	0.4
17.5°	9.4	2.6	0.8	0.4	0.2	0.4
20°	8.7	2.0	0.4	0.2	0.2	0.2
21°	8.5	1.8	0.4	0.2	0.2	0.2
22°	8.1	1.6	0.2	0.0	0.2	0.2
23°	7.7	1.2	0.2	0.0	0.0	0.0
24°	7.1	1.0	0.2	0.0	0.0	0.0
25°	6.7	1.0	0.2	0.0	0.0	0.0
26°	6.3	0.6	0.0	0.0	0.0	0.0
27°	5.7	0.4	0.0	0.0	0.0	0.0
28°	5.3	0.4	0.0	0.0	0.0	0.0
29°	4.7	0.4	0.0	0.0	0.0	0.0
30°	4.1	0.4	0.0	0.0	0.0	0.0
31°	3.3	0.2	0.0	0.0	0.0	0.0
32°	2.6	0.2	0.0	0.0	0.0	0.0
33°	1.8	0.2	0.0	0.0	0.0	0.0
34°	1.2	0.2	0.0	0.0	0.0	0.0
35°	1.0	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.8
55°	0.2	0.4	0.4	0.6	0.8	1.0
57.5°	0.2	0.6	0.6	0.8	1.0	1.0
60°	0.4	0.6	0.8	0.8	1.2	1.2
62.5°	0.4	0.8	0.8	0.8	1.2	1.2
65°	0.4	0.8	0.8	1.0	1.2	1.2
67.5°	0.4	0.8	0.8	0.8	1.0	1.2
70°	0.4	0.8	0.6	0.8	1.0	1.0
72.5°	0.4	0.8	0.6	0.6	0.8	1.0
75°	0.4	0.8	0.6	0.6	0.8	0.8
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)