

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: P1339993

Luminaire Tested: P3A09R159827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339993
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: P3A09R159827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

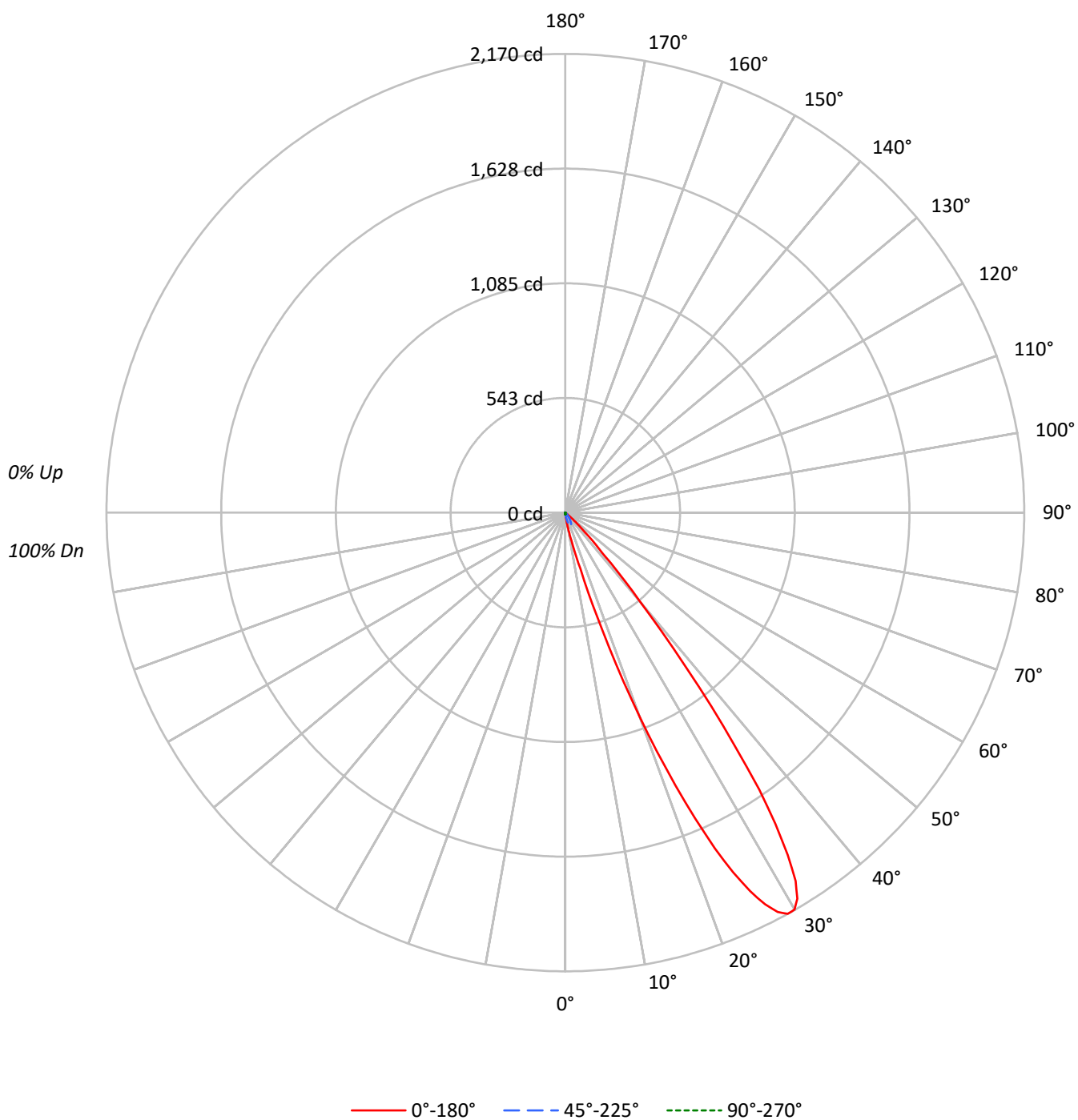
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	1710	1710	1710	1710	1710
5°	3698	2729	1629	858	704
10°	16433	5188	1291	356	267
15°	62134	11986	885	159	114
20°	238907	16895	537	47	47
25°	454333	15848	290	0	0
30°	548844	12787	127	0	0
35°	428040	8700	54	0	0
40°	156207	4294	57	0	57
45°	40097	1271	62	0	155
50°	6755	171	68	68	239
55°	879	0	191	268	459
60°	88	88	307	395	614
65°	104	104	467	623	726
70°	128	128	577	577	769
75°	169	169	763	593	763
80°	0	253	884	631	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40097 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	18.2	7.7
20°-30°	100.7	42.5
30°-40°	97.3	41.1
40°-50°	16.9	7.1
50°-60°	1.2	0.5
60°-70°	0.7	0.3
70°-80°	0.6	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°	120.0	50.6
0°-40°	217.3	91.7
0°-60°	235.4	99.3
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	17	12	7	4	3	3
15°	274	53	4	1	0	122
25°	1878	66	1	0	0	840
35°	1599	32	0	0	0	920
45°	129	4	0	0	0	139
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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	11.5	11.1	11.3	11.3	11.3	11.3	11.3	10.8	10.8	11.1	9.9
5°	16.8	16.8	16.6	16.8	16.8	16.6	16.1	15.9	15.9	15.4	12.4
7.5°	33.7	33.2	33.2	32.7	30.4	29.7	29.3	28.1	26.1	25.6	16.1
10°	73.8	74.0	72.4	70.3	70.1	66.6	65.5	63.4	59.5	55.6	23.3
12.5°	133.9	130.9	127.0	127.3	120.6	118.3	113.0	107.2	101.2	95.0	38.3
15°	273.7	265.1	270.2	257.7	243.7	227.8	211.6	191.3	174.1	155.6	52.8
17.5°	576.4	584.7	570.6	517.3	484.6	446.1	391.9	339.6	294.9	258.9	64.6
20°	1023.8	1036.1	988.3	942.0	862.5	775.8	685.4	583.0	485.1	400.2	72.4
21°	1210.8	1203.4	1183.8	1109.6	1017.8	917.3	806.7	693.7	575.0	464.8	73.1
22°	1391.5	1395.0	1349.4	1271.7	1176.2	1064.9	929.8	790.3	662.3	517.3	71.9
23°	1571.6	1582.7	1522.3	1449.4	1329.3	1203.7	1047.3	896.8	738.7	577.5	69.6
24°	1738.3	1730.7	1689.9	1598.1	1469.7	1322.6	1160.3	977.7	801.4	628.9	67.8
25°	1877.8	1876.8	1812.7	1723.5	1576.7	1413.7	1234.8	1043.9	855.1	663.7	65.5
26°	1991.9	1973.2	1922.7	1813.9	1668.9	1496.9	1295.9	1092.1	885.3	681.2	63.2
27°	2079.9	2066.6	1998.8	1885.6	1734.1	1543.9	1335.1	1116.1	899.1	687.0	60.2
28°	2139.2	2124.7	2052.5	1935.9	1770.1	1573.4	1355.8	1126.2	899.1	681.5	57.4
29°	2169.9	2150.0	2078.1	1953.1	1778.4	1576.9	1350.7	1116.3	885.0	664.4	54.2
30°	2167.6	2142.9	2067.5	1937.5	1753.7	1548.5	1322.4	1080.5	853.2	639.1	50.5
31°	2130.2	2102.5	2018.4	1884.4	1702.8	1495.1	1268.9	1032.6	809.7	606.1	46.8
32°	2054.4	2019.3	1937.2	1803.8	1624.4	1415.1	1191.2	958.6	744.4	557.9	42.9
33°	1930.8	1895.5	1807.4	1682.3	1518.3	1313.6	1088.2	879.1	670.2	500.5	39.7
34°	1776.1	1743.8	1668.0	1541.9	1384.6	1185.2	969.7	769.1	593.2	443.6	36.2
35°	1599.0	1547.6	1478.9	1379.1	1225.8	1025.2	841.7	666.7	513.9	383.9	32.5
36°	1359.5	1368.7	1295.9	1173.7	1046.7	889.4	713.3	555.8	429.7	327.1	29.3
37°	1147.2	1132.6	1086.3	991.8	881.1	725.1	597.8	471.2	361.5	276.6	25.8
38°	925.4	928.6	883.2	810.6	700.8	596.2	481.1	387.1	302.5	235.4	22.6
39°	724.4	721.8	709.6	642.3	542.9	474.2	389.8	320.9	252.0	198.5	19.1
40°	545.7	549.8	521.3	480.7	422.8	366.3	310.5	255.9	208.4	167.4	15.0
42.5°	265.4	271.8	252.9	242.5	216.9	194.8	164.4	134.2	114.1	98.7	6.7
45°	129.3	125.6	124.0	119.0	113.0	101.0	89.5	76.8	67.1	57.9	4.1
47.5°	66.2	64.3	64.3	62.2	60.2	56.3	50.5	46.3	41.7	36.0	1.6
50°	19.8	19.6	19.4	19.6	18.9	19.6	20.1	20.3	18.4	18.2	0.5
52.5°	7.8	8.1	7.8	8.5	8.5	8.3	8.5	8.3	8.1	7.1	0.0
55°	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.8	2.5	2.8	0.0
57.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	9.2	8.1	6.7	5.5	5.1	4.8
5°	9.9	7.4	5.1	3.9	3.5	3.2
7.5°	10.6	6.7	3.9	2.8	2.1	1.8
10°	11.1	5.8	3.0	1.6	1.2	1.2
12.5°	11.1	4.6	2.1	0.9	0.7	0.7
15°	10.8	3.9	1.4	0.7	0.5	0.5
17.5°	10.6	3.0	0.9	0.5	0.2	0.5
20°	9.9	2.3	0.5	0.2	0.2	0.2
21°	9.7	2.1	0.5	0.2	0.2	0.2
22°	9.2	1.8	0.2	0.0	0.2	0.2
23°	8.8	1.4	0.2	0.0	0.0	0.0
24°	8.1	1.2	0.2	0.0	0.0	0.0
25°	7.6	1.2	0.2	0.0	0.0	0.0
26°	7.1	0.7	0.0	0.0	0.0	0.0
27°	6.5	0.5	0.0	0.0	0.0	0.0
28°	6.0	0.5	0.0	0.0	0.0	0.0
29°	5.3	0.5	0.0	0.0	0.0	0.0
30°	4.6	0.5	0.0	0.0	0.0	0.0
31°	3.7	0.2	0.0	0.0	0.0	0.0
32°	3.0	0.2	0.0	0.0	0.0	0.0
33°	2.1	0.2	0.0	0.0	0.0	0.0
34°	1.4	0.2	0.0	0.0	0.0	0.0
35°	1.2	0.2	0.0	0.0	0.0	0.0
36°	0.7	0.2	0.0	0.0	0.0	0.2
37°	0.7	0.2	0.0	0.0	0.0	0.2
38°	0.5	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	0.5
45°	0.0	0.2	0.0	0.0	0.2	0.5
47.5°	0.0	0.2	0.0	0.0	0.5	0.5
50°	0.0	0.2	0.2	0.2	0.5	0.7
52.5°	0.0	0.5	0.2	0.5	0.7	0.9
55°	0.2	0.5	0.5	0.7	0.9	1.2
57.5°	0.2	0.7	0.7	0.9	1.2	1.2
60°	0.5	0.7	0.9	0.9	1.4	1.4
62.5°	0.5	0.9	0.9	0.9	1.4	1.4
65°	0.5	0.9	0.9	1.2	1.4	1.4
67.5°	0.5	0.9	0.9	0.9	1.2	1.4
70°	0.5	0.9	0.7	0.9	1.2	1.2
72.5°	0.5	0.9	0.7	0.7	0.9	1.2
75°	0.5	0.9	0.7	0.7	0.9	0.9
77.5°	0.5	0.7	0.7	0.5	0.7	0.7
80°	0.5	0.7	0.5	0.5	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.5	0.7	0.5	0.2	0.5	0.5
85°	0.5	0.7	0.5	0.2	0.2	0.2
87.5°	0.5	0.7	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)