

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: P1340025

Luminaire Tested: P3A09R159835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1340025
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: P3A09R159835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

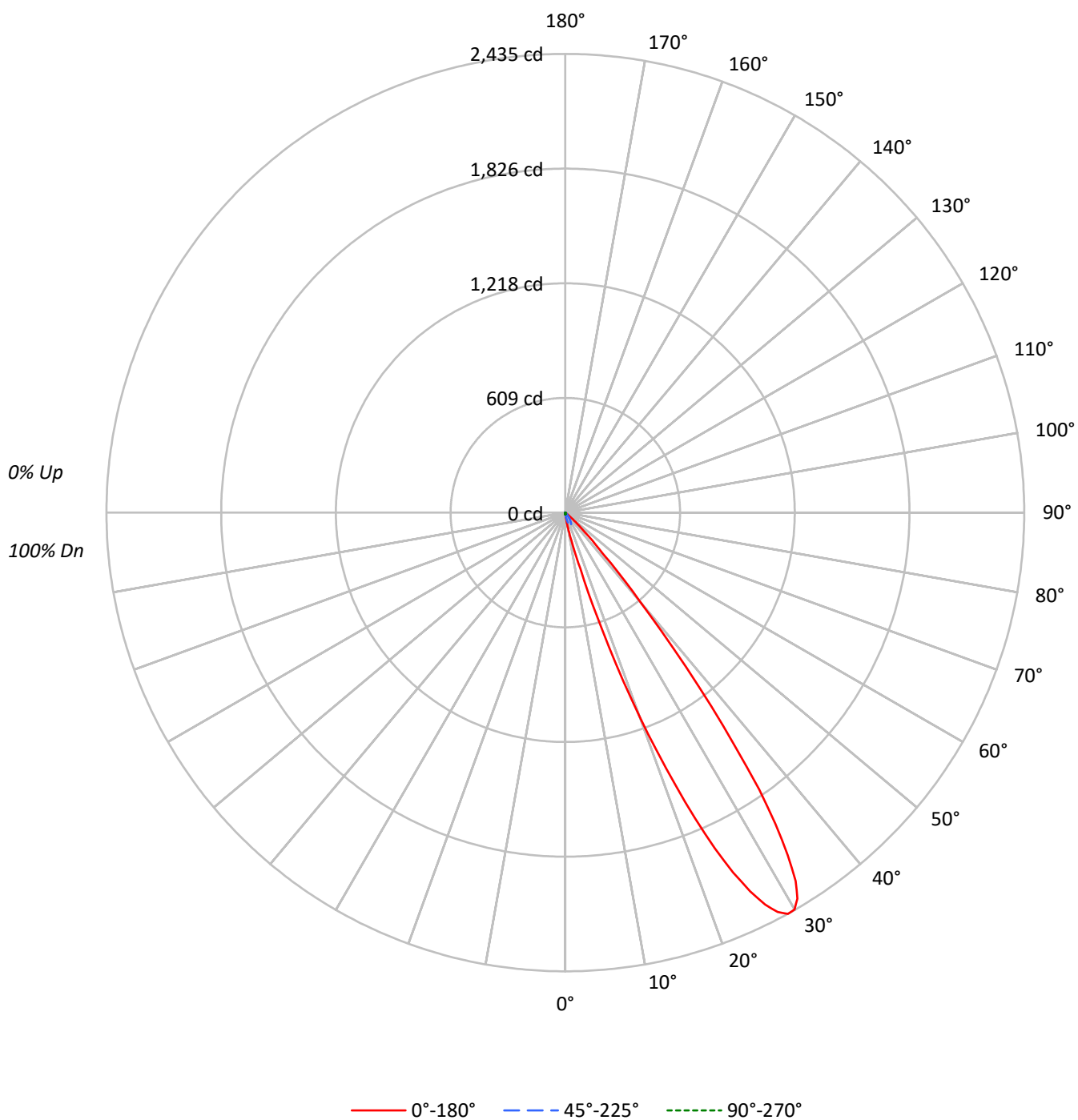
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	98	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	47	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°	1930	1930	1930	1930	1930
5°	4160	3082	1827	969	792
10°	18437	5812	1447	401	289
15°	69717	13462	999	182	114
20°	268147	18948	607	70	70
25°	509908	17783	315	0	0
30°	615994	14357	127	0	0
35°	480427	9771	80	0	0
40°	175328	4809	86	0	86
45°	45028	1458	93	0	155
50°	7607	171	102	102	273
55°	994	0	191	306	497
60°	132	132	351	439	702
65°	156	156	519	675	830
70°	192	192	641	641	833
75°	254	254	847	678	847
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45028 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.5
10°-20°	20.4	7.7
20°-30°	113.1	42.5
30°-40°	109.2	41.1
40°-50°	19.0	7.1
50°-60°	1.4	0.5
60°-70°	0.8	0.3
70°-80°	0.7	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°	134.6	50.6
0°-40°	243.9	91.7
0°-60°	264.2	99.3
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	19	14	8	4	4	4
15°	307	59	4	1	0	137
25°	2108	74	1	0	0	942
35°	1795	36	0	0	0	1032
45°	145	5	0	0	0	156
55°	3	0	0	1	1	5
65°	0	0	1	1	2	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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	12.9	12.4	12.7	12.7	12.7	12.7	12.7	12.2	12.2	12.4	11.1
5°	18.9	18.9	18.6	18.9	18.9	18.6	18.1	17.9	17.9	17.3	14.0
7.5°	37.8	37.3	37.3	36.7	34.2	33.4	32.9	31.6	29.2	28.7	18.1
10°	82.8	83.1	81.2	78.9	78.7	74.8	73.5	71.2	66.8	62.4	26.1
12.5°	150.3	147.0	142.6	142.8	135.3	132.7	126.8	120.3	113.6	106.6	43.0
15°	307.1	297.6	303.3	289.3	273.5	255.6	237.5	214.8	195.4	174.7	59.3
17.5°	646.9	656.2	640.4	580.6	543.9	500.7	439.9	381.1	330.9	290.6	72.5
20°	1149.1	1162.8	1109.3	1057.3	968.0	870.7	769.3	654.4	544.4	449.2	81.2
21°	1359.0	1350.7	1328.7	1245.4	1142.4	1029.6	905.4	778.6	645.3	521.6	82.0
22°	1561.8	1565.7	1514.5	1427.3	1320.1	1195.2	1043.5	887.0	743.4	580.6	80.7
23°	1763.9	1776.3	1708.5	1626.8	1492.0	1350.9	1175.5	1006.5	829.0	648.2	78.1
24°	1951.0	1942.4	1896.6	1793.7	1649.5	1484.5	1302.3	1097.4	899.4	705.9	76.1
25°	2107.5	2106.5	2034.6	1934.4	1769.6	1586.7	1385.9	1171.6	959.7	744.9	73.5
26°	2235.6	2214.7	2158.0	2035.9	1873.1	1680.1	1454.4	1225.7	993.6	764.6	70.9
27°	2334.5	2319.4	2243.4	2116.3	1946.3	1732.9	1498.4	1252.6	1009.1	771.1	67.5
28°	2401.0	2384.7	2303.7	2172.7	1986.7	1766.0	1521.7	1264.0	1009.1	764.9	64.4
29°	2435.4	2413.1	2332.4	2192.1	1996.0	1769.9	1516.0	1252.9	993.3	745.7	60.8
30°	2432.8	2405.1	2320.5	2174.5	1968.3	1738.0	1484.2	1212.8	957.6	717.3	56.7
31°	2390.9	2359.8	2265.4	2115.0	1911.1	1678.0	1424.2	1158.9	908.7	680.3	52.5
32°	2305.7	2266.4	2174.3	2024.5	1823.2	1588.2	1337.0	1075.9	835.5	626.2	48.1
33°	2167.0	2127.5	2028.6	1888.1	1704.1	1474.4	1221.3	986.6	752.2	561.7	44.5
34°	1993.4	1957.2	1872.1	1730.5	1554.1	1330.2	1088.3	863.2	665.8	497.8	40.6
35°	1794.7	1737.0	1659.9	1547.8	1375.8	1150.7	944.7	748.3	576.8	430.8	36.5
36°	1525.9	1536.2	1454.4	1317.3	1174.7	998.3	800.6	623.8	482.3	367.2	32.9
37°	1287.5	1271.2	1219.2	1113.1	988.9	813.8	670.9	528.9	405.7	310.5	29.0
38°	1038.6	1042.2	991.3	909.8	786.6	669.1	540.0	434.4	339.5	264.2	25.4
39°	813.0	810.1	796.4	720.9	609.4	532.3	437.5	360.2	282.8	222.8	21.5
40°	612.5	617.1	585.0	539.5	474.5	411.2	348.5	287.2	233.9	187.9	16.8
42.5°	297.8	305.1	283.8	272.2	243.5	218.6	184.5	150.6	128.1	110.7	7.5
45°	145.2	141.0	139.2	133.5	126.8	113.3	100.4	86.2	75.3	64.9	4.7
47.5°	74.3	72.2	72.2	69.9	67.5	63.1	56.7	52.0	46.8	40.4	1.8
50°	22.3	22.0	21.7	22.0	21.2	22.0	22.5	22.8	20.7	20.4	0.5
52.5°	8.8	9.1	8.8	9.6	9.6	9.3	9.6	9.3	9.1	8.0	0.0
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.8	3.1	2.8	3.1	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	10.4	9.1	7.5	6.2	5.7	5.4
5°	11.1	8.3	5.7	4.4	3.9	3.6
7.5°	11.9	7.5	4.4	3.1	2.3	2.1
10°	12.4	6.5	3.4	1.8	1.3	1.3
12.5°	12.4	5.2	2.3	1.0	0.8	0.8
15°	12.2	4.4	1.6	0.8	0.5	0.5
17.5°	11.9	3.4	1.0	0.5	0.3	0.5
20°	11.1	2.6	0.5	0.3	0.3	0.3
21°	10.9	2.3	0.5	0.3	0.3	0.3
22°	10.4	2.1	0.3	0.0	0.3	0.3
23°	9.8	1.6	0.3	0.0	0.0	0.0
24°	9.1	1.3	0.3	0.0	0.0	0.0
25°	8.5	1.3	0.3	0.0	0.0	0.0
26°	8.0	0.8	0.0	0.0	0.0	0.0
27°	7.2	0.5	0.0	0.0	0.0	0.0
28°	6.7	0.5	0.0	0.0	0.0	0.0
29°	6.0	0.5	0.0	0.0	0.0	0.0
30°	5.2	0.5	0.0	0.0	0.0	0.0
31°	4.1	0.3	0.0	0.0	0.0	0.0
32°	3.4	0.3	0.0	0.0	0.0	0.0
33°	2.3	0.3	0.0	0.0	0.0	0.0
34°	1.6	0.3	0.0	0.0	0.0	0.0
35°	1.3	0.3	0.0	0.0	0.0	0.0
36°	0.8	0.3	0.0	0.0	0.0	0.3
37°	0.8	0.3	0.0	0.0	0.0	0.3
38°	0.5	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.5
45°	0.0	0.3	0.0	0.0	0.3	0.5
47.5°	0.0	0.3	0.0	0.0	0.5	0.5
50°	0.0	0.3	0.3	0.3	0.5	0.8
52.5°	0.0	0.5	0.3	0.5	0.8	1.0
55°	0.3	0.5	0.5	0.8	1.0	1.3
57.5°	0.3	0.8	0.8	1.0	1.3	1.3
60°	0.5	0.8	1.0	1.0	1.6	1.6
62.5°	0.5	1.0	1.0	1.0	1.6	1.6
65°	0.5	1.0	1.0	1.3	1.6	1.6
67.5°	0.5	1.0	1.0	1.0	1.3	1.6
70°	0.5	1.0	0.8	1.0	1.3	1.3
72.5°	0.5	1.0	0.8	0.8	1.0	1.3
75°	0.5	1.0	0.8	0.8	1.0	1.0
77.5°	0.5	0.8	0.8	0.5	0.8	0.8
80°	0.5	0.8	0.5	0.5	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.5	0.8	0.5	0.3	0.5	0.5
85°	0.5	0.8	0.5	0.3	0.3	0.3
87.5°	0.5	0.8	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)