

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: P1344919

Luminaire Tested: P3A13R309030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309030DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

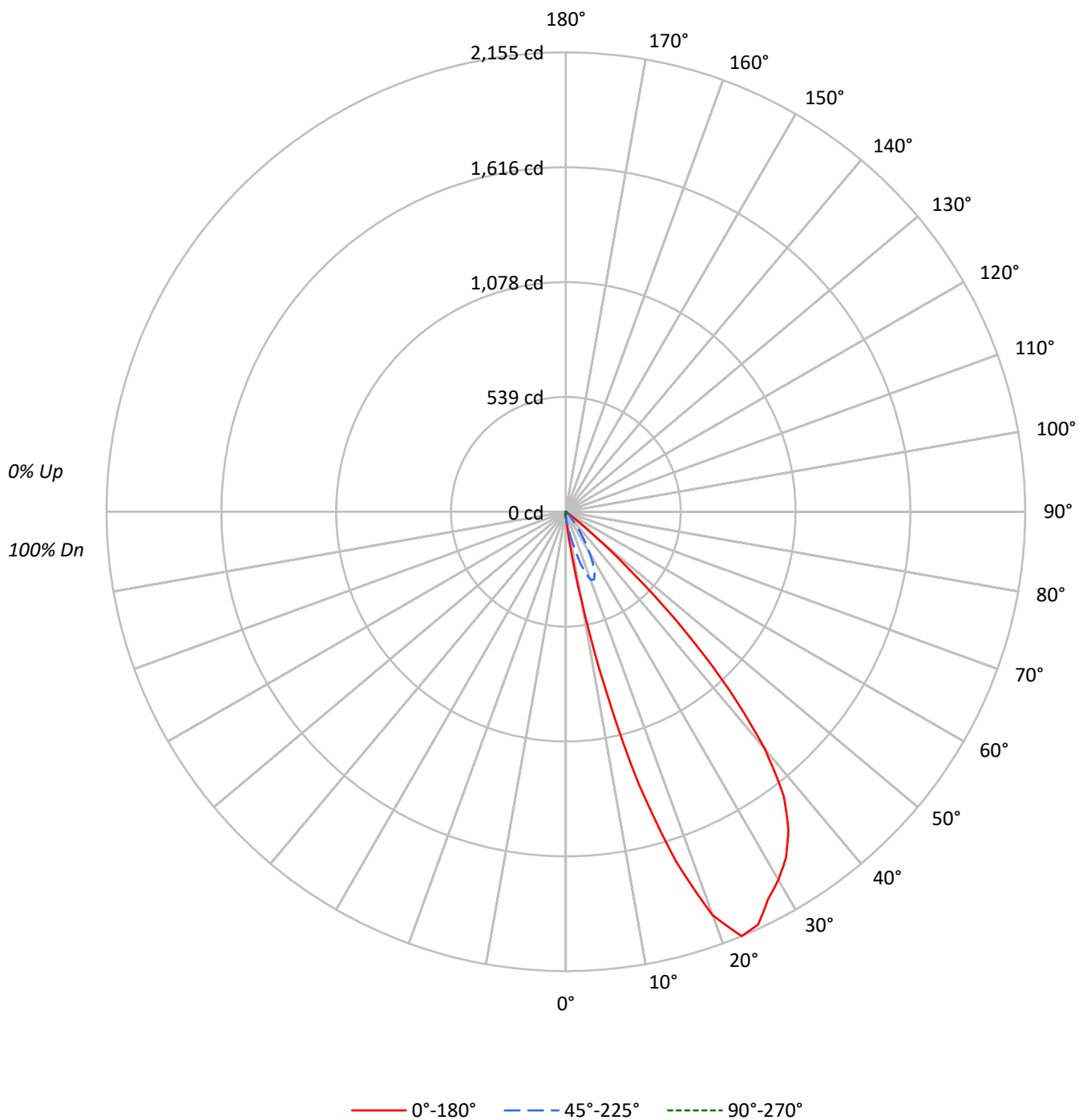
Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5285	5285	5285	5285	5285
5°	15937	10632	4997	2245	1849
10°	92294	22534	3919	1024	713
15°	300229	51101	2747	204	114
20°	469788	79084	1727	0	0
25°	516852	77279	895	0	0
30°	504812	55705	354	0	0
35°	487227	31695	134	0	0
40°	415493	13425	0	0	0
45°	243839	5024	155	0	155
50°	59222	955	171	171	478
55°	5161	0	344	535	726
60°	219	0	395	614	1009
65°	259	259	726	726	1193
70°	321	321	898	898	1218
75°	0	424	1186	1186	1186
80°	0	631	1768	1137	1137
85°	0	1258	3522	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 243839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.9
10°-20°	69.8	13.7
20°-30°	177.4	34.9
30°-40°	176.8	34.8
40°-50°	71.6	14.1
50°-60°	5.0	1.0
60°-70°	1.1	0.2
70°-80°	1.1	0.2
80°-90°	0.6	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°	251.7	49.5
0°-40°	428.5	84.3
0°-60°	505.1	99.4
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	72	48	23	10	8	17
15°	1322	225	12	1	0	385
25°	2136	319	4	0	0	965
35°	1820	118	0	0	0	1116
45°	786	16	0	0	0	600
55°	14	0	1	1	2	35
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	39.9	40.4	40.4	39.5	39.0	39.0	37.6	37.1	35.7	34.4	29.7
5°	72.4	71.0	69.2	69.2	65.0	62.7	59.4	55.7	52.9	48.3	34.4
7.5°	164.3	153.2	149.9	145.8	130.0	117.4	103.1	90.5	78.9	69.2	38.1
10°	414.5	392.7	374.6	337.9	292.0	247.9	207.0	159.7	127.2	101.2	40.8
12.5°	835.1	805.8	771.0	704.2	618.3	508.3	410.8	306.8	215.4	149.0	41.8
15°	1322.5	1272.8	1218.5	1133.6	992.9	835.1	659.2	493.4	345.8	225.1	40.8
17.5°	1719.8	1700.3	1620.0	1504.0	1331.8	1128.5	911.7	685.2	466.5	294.8	38.1
20°	2013.2	1999.8	1902.7	1779.3	1585.2	1352.2	1076.9	804.9	550.5	338.9	33.9
22.5°	2154.8	2152.5	2082.4	1956.1	1750.5	1486.4	1183.2	874.1	576.5	344.9	28.3
25°	2136.2	2144.6	2104.7	2010.9	1813.6	1541.6	1214.8	874.1	557.5	319.4	23.7
27.5°	2051.7	2057.3	2032.2	1960.3	1776.5	1501.7	1170.7	817.9	502.3	274.3	19.5
30°	1993.7	1996.0	1964.9	1887.9	1692.9	1410.7	1066.7	713.9	418.7	220.0	14.4
32.5°	1923.2	1922.7	1886.5	1798.3	1583.4	1283.0	934.9	590.0	321.7	167.1	8.4
35°	1820.1	1808.5	1759.3	1657.6	1420.0	1111.3	766.4	449.3	231.6	118.4	5.1
37.5°	1678.5	1648.4	1578.7	1442.7	1190.7	871.3	568.2	315.7	158.3	78.4	3.2
40°	1451.5	1419.5	1324.8	1159.6	900.5	627.1	383.0	205.6	99.8	46.9	1.9
42.5°	1138.2	1116.4	988.7	823.9	594.6	400.1	230.2	121.6	56.2	26.9	0.5
45°	786.3	758.0	657.8	518.0	357.0	221.9	129.0	63.6	32.0	16.2	0.0
47.5°	434.0	399.2	341.2	268.3	179.6	116.5	65.0	34.4	18.1	7.9	0.0
50°	173.6	172.2	136.9	97.5	68.7	52.9	32.5	18.6	9.3	2.8	0.5
52.5°	60.8	60.8	52.5	42.7	33.4	24.1	16.2	8.8	3.2	0.9	0.5
55°	13.5	14.9	13.9	13.0	12.5	10.7	7.0	3.2	0.9	0.0	0.5
57.5°	1.4	1.4	1.4	1.9	2.3	2.3	1.9	0.9	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.9
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.9
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
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):

	90°	112.5°	135°	157.5°	180°
0°	24.1	24.1	24.1	24.1	24.1
2.5°	24.1	19.0	15.8	13.9	13.5
5°	22.7	14.4	10.2	8.8	8.4
7.5°	20.4	10.7	7.0	5.6	5.1
10°	17.6	7.9	4.6	3.2	3.2
12.5°	14.9	6.0	2.8	1.4	0.9
15°	12.1	3.7	0.9	0.5	0.5
17.5°	9.3	2.3	0.0	0.0	0.0
20°	7.4	0.9	0.0	0.0	0.0
22.5°	5.6	0.5	0.0	0.0	0.0
25°	3.7	0.0	0.0	0.0	0.0
27.5°	2.3	0.0	0.0	0.0	0.0
30°	1.4	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	0.9	0.9
50°	0.5	0.5	0.5	0.9	1.4
52.5°	0.9	0.5	0.9	1.4	1.4
55°	0.9	0.9	1.4	1.9	1.9
57.5°	0.9	0.9	1.4	1.9	1.9
60°	0.9	0.9	1.4	1.9	2.3
62.5°	1.4	1.4	1.4	1.9	1.9
65°	1.4	1.4	1.4	1.9	2.3
67.5°	1.4	1.4	1.4	1.9	2.3
70°	1.4	1.4	1.4	1.9	1.9
72.5°	1.9	1.4	1.4	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	0.9	1.4	1.4
80°	1.4	0.9	0.9	0.9	0.9
82.5°	1.4	0.9	0.9	0.9	0.9
85°	1.4	0.9	0.5	0.5	0.5
87.5°	1.4	0.9	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)