

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: P1339929

Luminaire Tested: P3A09R159727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339929
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: P3A09R159727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

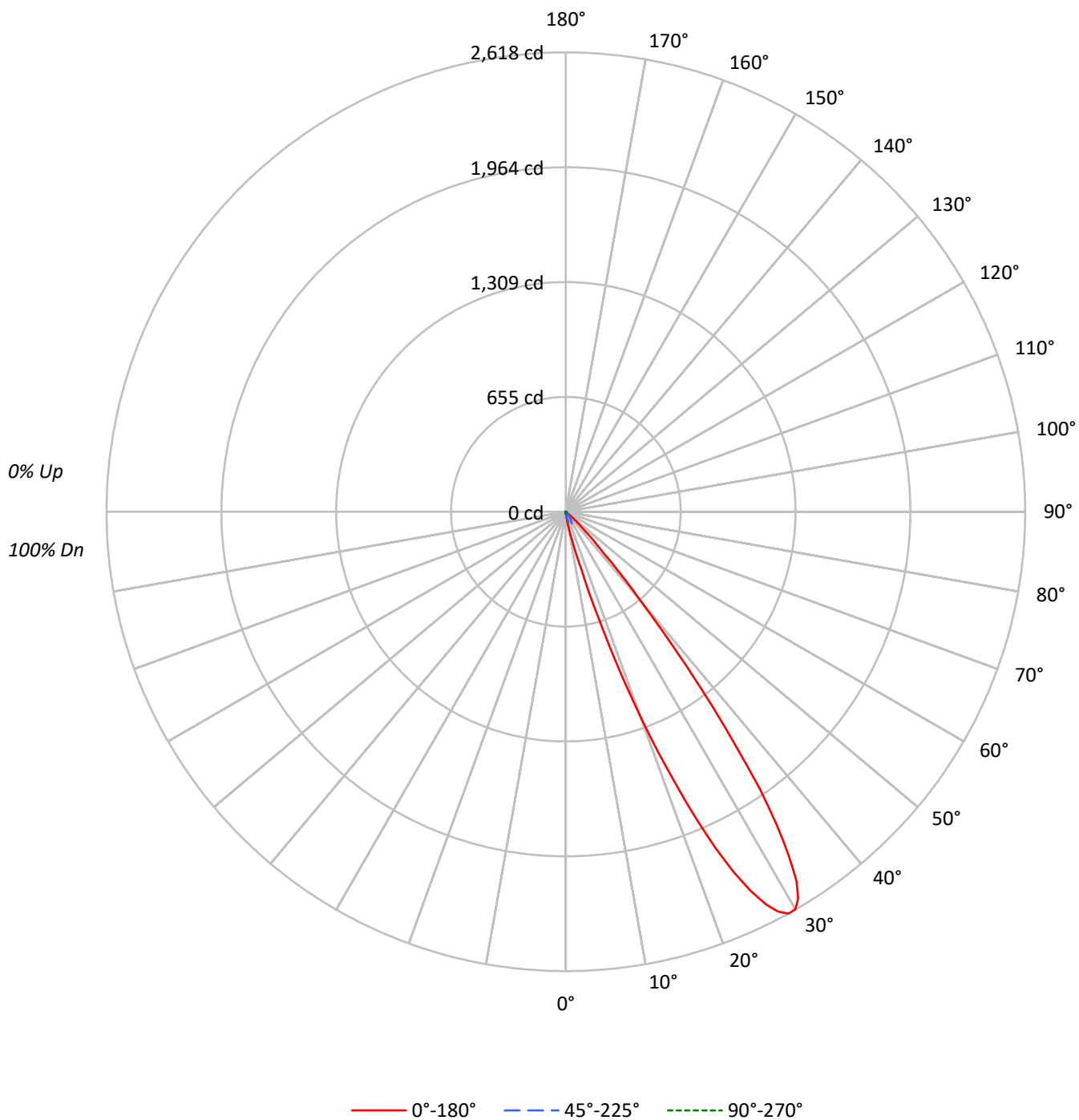
Lumens per Lamp: N/A
Luminaire Lumens: 286.0 lumens
Efficiency: N/A
Efficacy: 25.8 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2083	2083	2083	2083	2083
5°	4468	3302	1959	1035	858
10°	19817	6257	1559	423	312
15°	74961	14461	1067	182	136
20°	288308	20395	653	70	70
25°	548257	19114	339	0	0
30°	662304	15420	152	0	0
35°	516539	10494	80	0	0
40°	188496	5181	86	0	86
45°	48408	1551	93	0	186
50°	8153	205	102	102	273
55°	1070	0	229	306	535
60°	132	132	351	482	746
65°	156	156	571	726	882
70°	192	192	705	705	898
75°	254	254	932	678	932
80°	0	379	1010	758	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.5
10°-20°	21.9	7.7
20°-30°	121.6	42.5
30°-40°	117.4	41.1
40°-50°	20.4	7.1
50°-60°	1.5	0.5
60°-70°	0.9	0.3
70°-80°	0.7	0.2
80°-90°	0.4	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°	144.8	50.6
0°-40°	262.2	91.7
0°-60°	284.1	99.3
0°-90°	286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	286.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	20	15	9	5	4	4
15°	330	64	5	1	1	147
25°	2266	79	1	0	0	1013
35°	1930	39	0	0	0	1110
45°	156	5	0	0	1	168
55°	3	0	1	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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
2.5°	13.9	13.4	13.6	13.6	13.6	13.6	13.6	13.1	13.1	13.4	12.0
5°	20.3	20.3	20.0	20.3	20.3	20.0	19.5	19.2	19.2	18.6	15.0
7.5°	40.6	40.1	40.1	39.5	36.7	35.9	35.3	33.9	31.4	30.9	19.5
10°	89.0	89.3	87.4	84.9	84.6	80.4	79.0	76.5	71.8	67.0	28.1
12.5°	161.6	158.0	153.3	153.6	145.5	142.7	136.3	129.4	122.1	114.6	46.2
15°	330.2	319.9	326.1	311.0	294.1	274.9	255.4	230.9	210.0	187.8	63.7
17.5°	695.5	705.5	688.6	624.3	584.8	538.3	473.0	409.8	355.8	312.4	77.9
20°	1235.5	1250.3	1192.7	1136.8	1040.8	936.2	827.1	703.6	585.3	483.0	87.4
21°	1461.1	1452.2	1428.6	1339.0	1228.3	1107.0	973.4	837.1	693.8	560.9	88.2
22°	1679.3	1683.4	1628.3	1534.6	1419.4	1285.0	1122.0	953.7	799.3	624.3	86.8
23°	1896.5	1909.9	1837.0	1749.1	1604.1	1452.5	1263.9	1082.2	891.4	696.9	84.0
24°	2097.7	2088.5	2039.3	1928.5	1773.6	1596.1	1400.2	1179.9	967.0	758.9	81.8
25°	2266.0	2264.9	2187.5	2079.9	1902.7	1706.0	1490.1	1259.7	1031.9	801.0	79.0
26°	2403.7	2381.2	2320.2	2188.9	2013.9	1806.4	1563.8	1317.9	1068.3	822.1	76.2
27°	2510.0	2493.8	2412.0	2275.4	2092.7	1863.1	1611.1	1346.8	1085.0	829.1	72.6
28°	2581.5	2563.9	2476.9	2336.1	2136.1	1898.8	1636.1	1359.0	1085.0	822.4	69.3
29°	2618.5	2594.6	2507.7	2357.0	2146.1	1902.9	1630.0	1347.1	1068.0	801.8	65.4
30°	2615.7	2585.9	2495.0	2338.0	2116.3	1868.7	1595.8	1304.0	1029.6	771.2	60.9
31°	2570.6	2537.2	2435.7	2274.1	2054.8	1804.2	1531.2	1246.1	977.1	731.4	56.5
32°	2479.1	2436.8	2337.8	2176.7	1960.2	1707.6	1437.5	1156.8	898.3	673.3	51.7
33°	2330.0	2287.4	2181.1	2030.1	1832.3	1585.2	1313.1	1060.8	808.7	604.0	47.9
34°	2143.3	2104.4	2012.8	1860.6	1670.9	1430.3	1170.1	928.1	715.8	535.3	43.7
35°	1929.6	1867.6	1784.7	1664.2	1479.2	1237.2	1015.7	804.6	620.1	463.2	39.2
36°	1640.6	1651.7	1563.8	1416.3	1263.1	1073.3	860.8	670.8	518.6	394.8	35.3
37°	1384.4	1366.8	1310.9	1196.8	1063.3	875.0	721.4	568.7	436.2	333.8	31.2
38°	1116.7	1120.6	1065.8	978.2	845.7	719.4	580.6	467.1	365.0	284.0	27.3
39°	874.1	871.1	856.3	775.1	655.2	572.3	470.4	387.3	304.1	239.5	23.1
40°	658.5	663.5	629.0	580.1	510.2	442.1	374.7	308.8	251.5	202.0	18.1
42.5°	320.2	328.0	305.2	292.7	261.8	235.1	198.4	161.9	137.7	119.1	8.1
45°	156.1	151.6	149.7	143.6	136.3	121.9	107.9	92.6	81.0	69.8	5.0
47.5°	79.8	77.6	77.6	75.1	72.6	67.9	60.9	55.9	50.4	43.4	1.9
50°	23.9	23.6	23.4	23.6	22.8	23.6	24.2	24.5	22.3	22.0	0.6
52.5°	9.5	9.7	9.5	10.3	10.3	10.0	10.3	10.0	9.7	8.6	0.0
55°	2.8	2.8	2.8	2.8	2.8	2.8	3.1	3.3	3.1	3.3	0.0
57.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	9.5	9.5	9.5	9.5	9.5	9.5
2.5°	11.1	9.7	8.1	6.7	6.1	5.8
5°	12.0	8.9	6.1	4.7	4.2	3.9
7.5°	12.8	8.1	4.7	3.3	2.5	2.2
10°	13.4	7.0	3.6	1.9	1.4	1.4
12.5°	13.4	5.6	2.5	1.1	0.8	0.8
15°	13.1	4.7	1.7	0.8	0.6	0.6
17.5°	12.8	3.6	1.1	0.6	0.3	0.6
20°	12.0	2.8	0.6	0.3	0.3	0.3
21°	11.7	2.5	0.6	0.3	0.3	0.3
22°	11.1	2.2	0.3	0.0	0.3	0.3
23°	10.6	1.7	0.3	0.0	0.0	0.0
24°	9.7	1.4	0.3	0.0	0.0	0.0
25°	9.2	1.4	0.3	0.0	0.0	0.0
26°	8.6	0.8	0.0	0.0	0.0	0.0
27°	7.8	0.6	0.0	0.0	0.0	0.0
28°	7.2	0.6	0.0	0.0	0.0	0.0
29°	6.4	0.6	0.0	0.0	0.0	0.0
30°	5.6	0.6	0.0	0.0	0.0	0.0
31°	4.5	0.3	0.0	0.0	0.0	0.0
32°	3.6	0.3	0.0	0.0	0.0	0.0
33°	2.5	0.3	0.0	0.0	0.0	0.0
34°	1.7	0.3	0.0	0.0	0.0	0.0
35°	1.4	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°	0.6	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	0.6
45°	0.0	0.3	0.0	0.0	0.3	0.6
47.5°	0.0	0.3	0.0	0.0	0.6	0.6
50°	0.0	0.3	0.3	0.3	0.6	0.8
52.5°	0.0	0.6	0.3	0.6	0.8	1.1
55°	0.3	0.6	0.6	0.8	1.1	1.4
57.5°	0.3	0.8	0.8	1.1	1.4	1.4
60°	0.6	0.8	1.1	1.1	1.7	1.7
62.5°	0.6	1.1	1.1	1.1	1.7	1.7
65°	0.6	1.1	1.1	1.4	1.7	1.7
67.5°	0.6	1.1	1.1	1.1	1.4	1.7
70°	0.6	1.1	0.8	1.1	1.4	1.4
72.5°	0.6	1.1	0.8	0.8	1.1	1.4
75°	0.6	1.1	0.8	0.8	1.1	1.1
77.5°	0.6	0.8	0.8	0.6	0.8	0.8
80°	0.6	0.8	0.6	0.6	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.6	0.8	0.6	0.3	0.6	0.6
85°	0.6	0.8	0.6	0.3	0.3	0.3
87.5°	0.6	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)