

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: P1344403

Luminaire Tested: P3A13R259030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

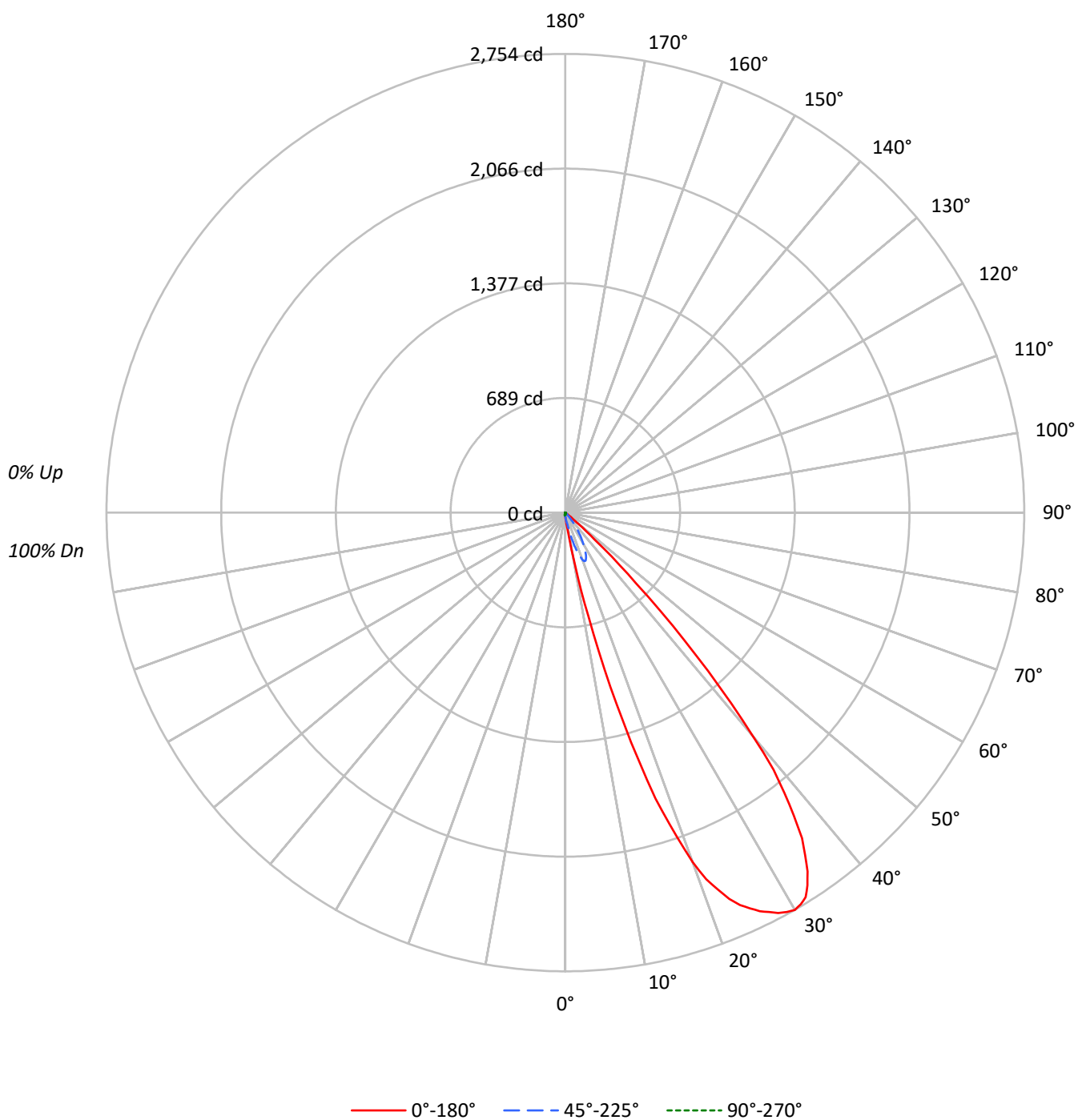
Lumens per Lamp: N/A
Luminaire Lumens: 551.0 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	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	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5175	5175	5175	5175	5175
5°	13009	9619	4865	2487	1915
10°	56891	16366	4008	1136	802
15°	270535	44109	2792	477	341
20°	520775	70659	1797	117	117
25°	634222	71278	992	0	0
30°	697322	54540	380	0	0
35°	671988	34693	134	0	0
40°	502112	15000	0	0	143
45°	185880	4000	155	155	465
50°	21935	512	341	341	716
55°	2179	0	382	573	994
60°	219	0	658	921	1140
65°	259	259	1090	1349	1608
70°	321	321	1346	1346	1988
75°	424	424	1271	1271	1779
80°	0	631	1894	1263	1894
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 185880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.6
10°-20°	64.2	11.7
20°-30°	201.6	36.6
30°-40°	212.3	38.5
40°-50°	62.4	11.3
50°-60°	3.3	0.6
60°-70°	1.6	0.3
70°-80°	1.4	0.3
80°-90°	0.7	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°	269.3	48.9
0°-40°	481.6	87.4
0°-60°	547.2	99.3
0°-90°	551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	59	44	22	11	9	11
15°	1192	194	12	2	2	376
25°	2621	295	4	0	0	1202
35°	2510	130	0	0	0	1515
45°	599	13	0	0	2	545
55°	6	0	1	2	3	14
65°	0	0	2	3	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2.5°	36.5	37.0	35.5	36.5	35.5	35.0	34.4	31.9	27.8	23.6	19.5
5°	59.1	59.1	56.5	56.0	55.0	53.0	50.9	43.7	31.4	22.1	15.4
7.5°	92.5	92.0	91.0	88.4	83.3	78.1	73.0	57.1	34.4	20.6	11.8
10°	255.5	251.9	247.3	219.5	188.2	160.4	136.2	73.5	37.0	18.0	8.7
12.5°	634.9	614.3	565.5	510.0	439.0	364.5	291.5	119.8	38.0	14.9	6.2
15°	1191.7	1149.0	1072.9	961.9	816.9	653.9	515.1	194.3	37.0	12.3	4.6
17.5°	1799.3	1758.2	1652.8	1484.2	1270.8	1020.5	774.7	257.6	34.4	10.3	3.1
20°	2231.7	2188.0	2089.3	1910.4	1679.5	1345.9	1020.0	302.8	32.4	7.7	1.5
21°	2358.1	2314.4	2210.1	2037.3	1794.7	1460.0	1098.6	310.5	30.8	6.7	1.0
22°	2438.3	2412.6	2300.6	2133.0	1885.7	1551.5	1166.0	314.1	29.8	6.2	1.0
23°	2519.0	2480.5	2375.6	2198.8	1955.1	1619.4	1215.8	311.5	28.8	5.1	0.5
24°	2578.7	2546.3	2424.4	2249.7	2003.4	1661.0	1245.1	304.9	27.2	4.6	0.5
25°	2621.3	2591.5	2464.5	2284.1	2035.8	1683.6	1254.4	294.6	25.7	4.1	0.5
26°	2662.0	2629.6	2498.0	2304.2	2052.8	1690.8	1245.6	283.3	24.2	3.6	0.0
27°	2691.3	2658.4	2521.1	2316.0	2053.8	1682.1	1222.0	267.8	22.6	3.1	0.0
28°	2722.6	2684.6	2537.0	2322.7	2047.6	1661.5	1188.1	251.4	21.6	2.6	0.0
29°	2741.6	2705.7	2553.5	2329.9	2034.8	1627.1	1138.7	231.9	19.0	1.5	0.0
30°	2754.0	2711.3	2551.9	2322.1	2017.8	1590.1	1079.6	215.4	16.5	1.5	0.0
31°	2743.7	2699.0	2535.5	2300.6	1990.6	1541.8	1018.9	194.8	13.4	1.0	0.0
32°	2721.6	2668.6	2506.7	2263.0	1941.7	1479.6	956.2	177.9	9.8	1.0	0.0
33°	2667.6	2622.9	2454.8	2212.6	1878.0	1395.2	874.5	161.4	6.7	0.5	0.0
34°	2599.8	2555.0	2383.8	2145.3	1792.6	1286.3	775.2	144.5	5.7	0.5	0.0
35°	2510.3	2466.1	2303.6	2051.2	1679.5	1155.2	672.9	129.6	4.6	0.5	0.0
36°	2416.2	2357.6	2202.4	1951.0	1527.9	1006.1	563.4	112.6	3.6	0.5	0.0
37°	2277.9	2238.3	2066.1	1798.3	1363.9	863.2	483.8	97.2	2.6	0.5	0.0
38°	2134.5	2098.0	1929.9	1644.6	1180.9	721.8	405.1	82.3	2.1	0.0	0.0
39°	1986.4	1925.8	1759.7	1447.7	989.1	604.6	340.8	68.9	1.0	0.0	0.0
40°	1754.1	1707.8	1530.4	1211.2	818.4	489.9	290.5	52.4	1.0	0.0	0.0
42.5°	1162.9	1119.7	933.6	657.0	434.9	286.3	191.8	20.6	0.0	0.5	0.0
45°	599.4	572.2	464.7	343.9	246.8	175.8	123.4	12.9	0.0	0.5	0.5
47.5°	238.0	233.4	210.8	182.0	140.3	104.4	67.3	5.7	0.0	0.5	0.5
50°	64.3	64.8	60.7	56.0	50.9	47.8	28.3	1.5	0.0	1.0	0.5
52.5°	27.2	27.8	26.7	25.2	22.6	17.0	11.3	0.5	0.5	1.0	1.0
55°	5.7	6.2	6.7	7.2	8.2	7.2	4.6	0.0	0.5	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	0.0	0.5	1.0	1.5
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	1.5	1.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	2.1	2.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	2.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	2.1
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	2.1	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.5	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.0
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):

	135°	157.5°	180°
0°	23.6	23.6	23.6
2.5°	16.5	14.9	14.4
5°	11.3	9.8	8.7
7.5°	7.7	6.2	5.7
10°	5.1	4.1	3.6
12.5°	3.6	2.1	2.1
15°	2.1	1.5	1.5
17.5°	1.0	0.5	0.5
20°	0.5	0.5	0.5
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.0
45°	0.5	1.0	1.5
47.5°	1.0	1.5	2.1
50°	1.0	2.1	2.1
52.5°	1.5	2.1	2.6
55°	1.5	2.6	2.6
57.5°	2.1	2.6	3.1
60°	2.1	2.6	2.6
62.5°	2.1	3.1	3.1
65°	2.6	3.1	3.1
67.5°	2.6	3.1	3.1
70°	2.1	2.6	3.1
72.5°	2.1	2.6	2.6
75°	1.5	2.1	2.1
77.5°	1.5	1.5	2.1
80°	1.0	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.0	1.0	1.0
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)