

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: P1344903

Luminaire Tested: P3A13R309030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344903
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: P3A13R309030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

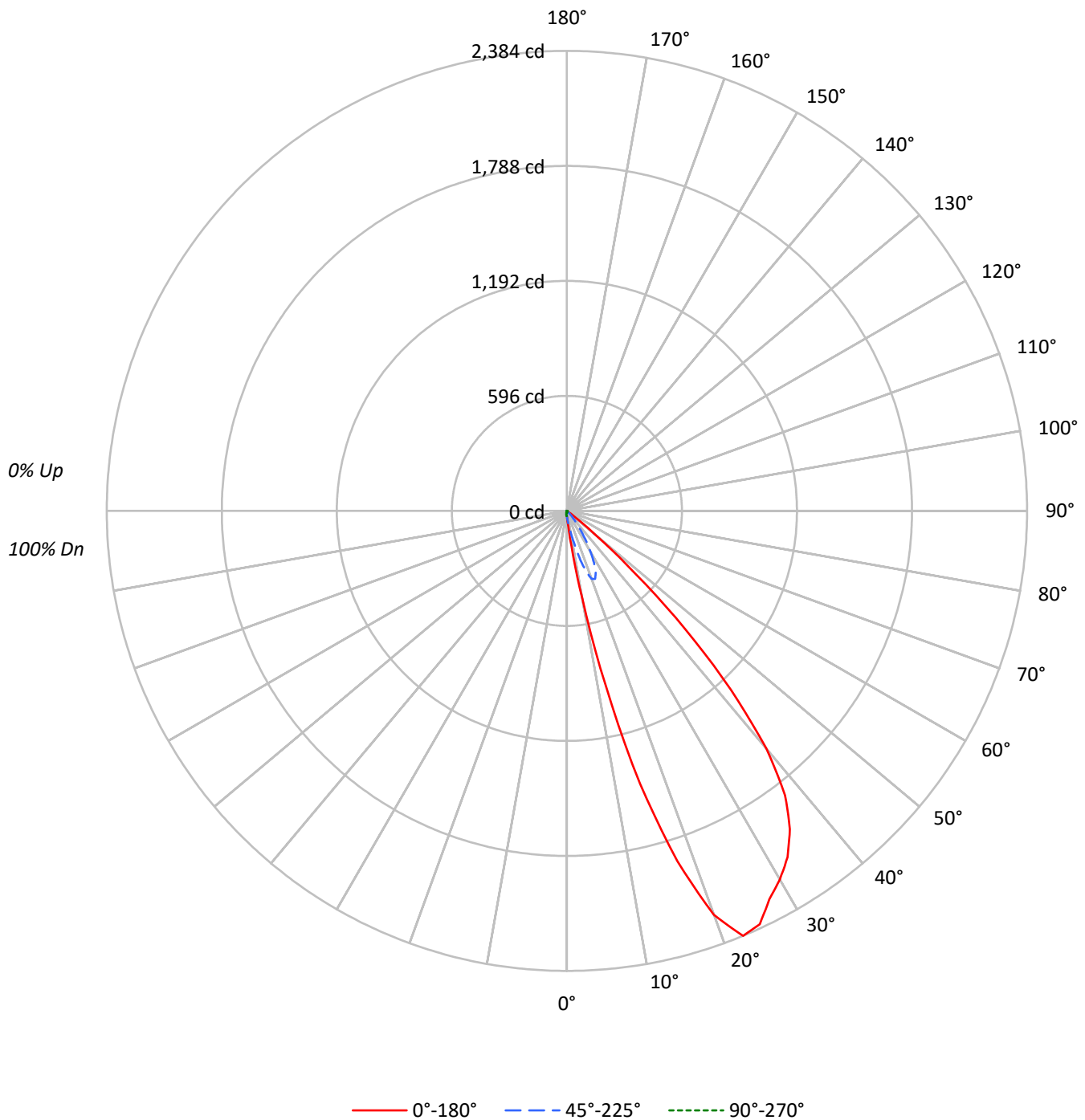
Lumens per Lamp: N/A
Luminaire Lumens: 561.9 lumens
Efficiency: N/A
Efficacy: 28.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
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	103	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	64	58	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	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5855	5855	5855	5855	5855
5°	17631	11754	5547	2487	2025
10°	102113	24938	4342	1136	802
15°	332147	56550	3042	227	114
20°	519725	87484	1913	0	0
25°	571799	85481	992	0	0
30°	558491	61630	380	0	0
35°	539025	35068	134	0	0
40°	459661	14856	0	0	0
45°	269764	5582	155	0	155
50°	65533	1058	171	171	512
55°	5696	0	382	573	803
60°	219	0	439	658	1140
65°	259	259	778	778	1349
70°	321	321	962	962	1346
75°	0	424	1271	1271	1271
80°	0	631	1894	1263	1263
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 269764 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.9
10°-20°	77.2	13.7
20°-30°	196.3	34.9
30°-40°	195.6	34.8
40°-50°	79.3	14.1
50°-60°	5.5	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
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°	278.4	49.5
0°-40°	474.1	84.4
0°-60°	558.8	99.4
0°-90°	561.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	80	53	25	11	9	19
15°	1463	249	13	1	0	426
25°	2363	353	4	0	0	1067
35°	2014	131	0	0	0	1234
45°	870	18	0	0	0	664
55°	15	0	1	2	2	39
65°	0	0	2	2	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°	35°	40°	45°	67.5°
0°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
2.5°	44.2	44.7	44.7	43.7	43.1	43.1	41.6	41.1	39.5	38.0	32.9
5°	80.1	78.6	76.5	76.5	71.9	69.3	65.7	61.6	58.5	53.4	38.0
7.5°	181.8	169.5	165.9	161.3	143.8	129.9	114.0	100.1	87.3	76.5	42.1
10°	458.6	434.5	414.4	373.9	323.0	274.2	229.0	176.7	140.7	112.0	45.2
12.5°	923.9	891.5	853.0	779.0	684.0	562.3	454.5	339.4	238.3	164.8	46.2
15°	1463.1	1408.1	1348.0	1254.1	1098.5	923.9	729.2	545.9	382.6	249.1	45.2
17.5°	1902.7	1881.1	1792.3	1663.9	1473.3	1248.4	1008.6	758.0	516.1	326.1	42.1
20°	2227.2	2212.3	2105.0	1968.4	1753.7	1495.9	1191.4	890.5	609.1	374.9	37.5
22.5°	2383.8	2381.3	2303.7	2164.1	1936.6	1644.4	1309.0	967.0	637.8	381.6	31.3
25°	2363.3	2372.6	2328.4	2224.7	2006.4	1705.5	1343.9	967.0	616.8	353.3	26.2
27.5°	2269.8	2276.0	2248.3	2168.7	1965.3	1661.3	1295.1	904.9	555.6	303.5	21.6
30°	2205.7	2208.2	2173.8	2088.6	1872.9	1560.6	1180.1	789.8	463.2	243.4	15.9
32.5°	2127.6	2127.1	2087.0	1989.5	1751.7	1419.4	1034.3	652.7	355.9	184.9	9.2
35°	2013.6	2000.7	1946.3	1833.8	1570.9	1229.4	847.9	497.1	256.3	131.0	5.6
37.5°	1857.0	1823.6	1746.5	1596.1	1317.2	963.9	628.6	349.2	175.1	86.8	3.6
40°	1605.8	1570.4	1465.6	1282.8	996.3	693.8	423.7	227.5	110.4	51.9	2.1
42.5°	1259.2	1235.1	1093.8	911.5	657.8	442.7	254.7	134.5	62.1	29.8	0.5
45°	869.9	838.6	727.7	573.1	394.9	245.5	142.8	70.4	35.4	18.0	0.0
47.5°	480.2	441.6	377.5	296.8	198.7	128.9	71.9	38.0	20.0	8.7	0.0
50°	192.1	190.5	151.5	107.8	76.0	58.5	35.9	20.5	10.3	3.1	0.5
52.5°	67.3	67.3	58.0	47.2	37.0	26.7	18.0	9.8	3.6	1.0	0.5
55°	14.9	16.4	15.4	14.4	13.9	11.8	7.7	3.6	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.1	2.6	2.6	2.1	1.0	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	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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):

	90°	112.5°	135°	157.5°	180°
0°	26.7	26.7	26.7	26.7	26.7
2.5°	26.7	21.1	17.5	15.4	14.9
5°	25.2	15.9	11.3	9.8	9.2
7.5°	22.6	11.8	7.7	6.2	5.6
10°	19.5	8.7	5.1	3.6	3.6
12.5°	16.4	6.7	3.1	1.5	1.0
15°	13.4	4.1	1.0	0.5	0.5
17.5°	10.3	2.6	0.0	0.0	0.0
20°	8.2	1.0	0.0	0.0	0.0
22.5°	6.2	0.5	0.0	0.0	0.0
25°	4.1	0.0	0.0	0.0	0.0
27.5°	2.6	0.0	0.0	0.0	0.0
30°	1.5	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	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.1	2.1
57.5°	1.0	1.0	1.5	2.1	2.1
60°	1.0	1.0	1.5	2.1	2.6
62.5°	1.5	1.5	1.5	2.1	2.1
65°	1.5	1.5	1.5	2.1	2.6
67.5°	1.5	1.5	1.5	2.1	2.6
70°	1.5	1.5	1.5	2.1	2.1
72.5°	2.1	1.5	1.5	2.1	2.1
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)