

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: P1344956

Luminaire Tested: P3A13R309040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344956
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: P3A13R309040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

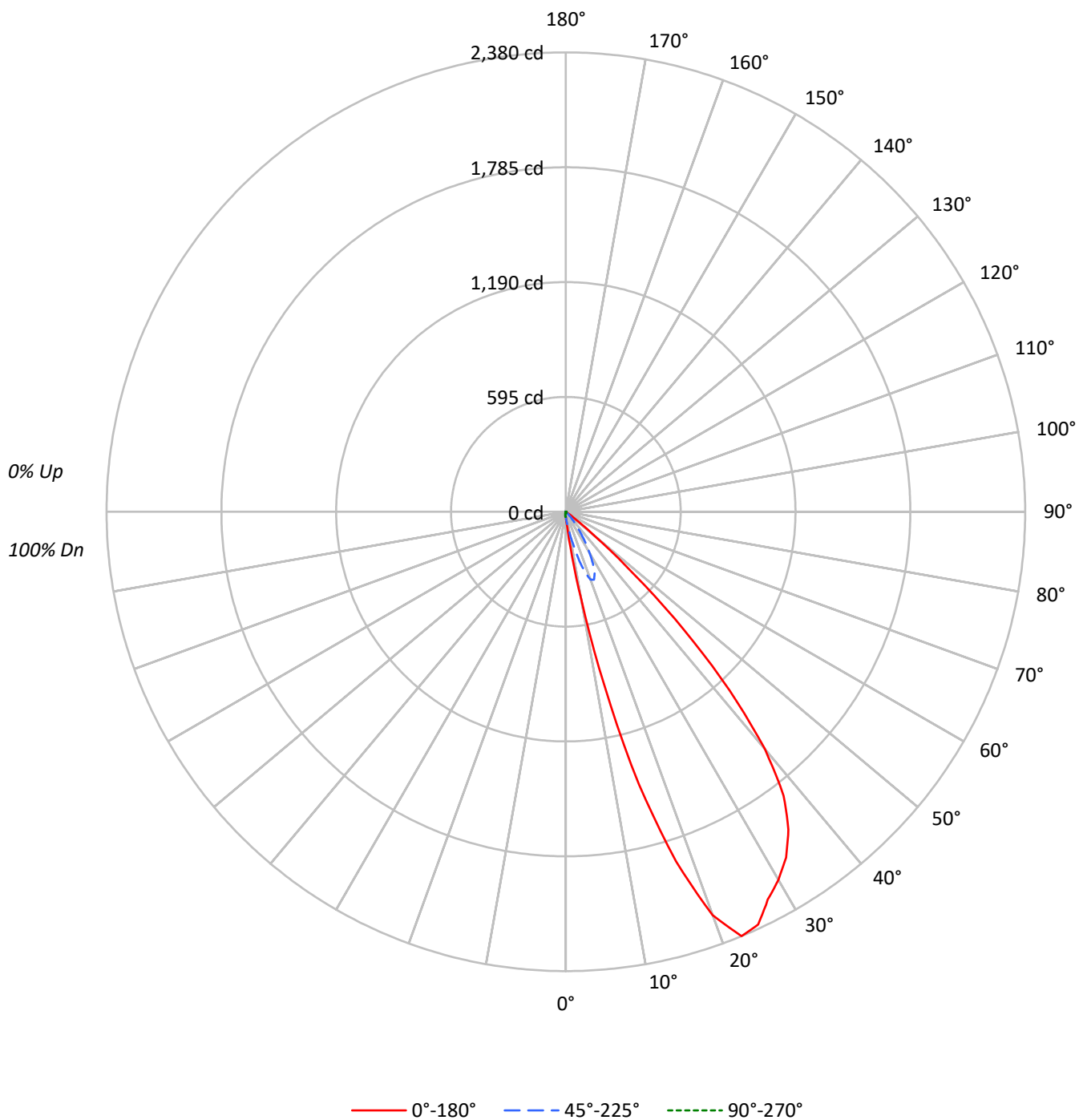
Lumens per Lamp: N/A
Luminaire Lumens: 560.9 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	88	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°	5855	5855	5855	5855	5855
5°	17609	11732	5525	2487	2025
10°	101935	24894	4342	1136	802
15°	331557	56436	3019	227	114
20°	518815	87321	1913	0	0
25°	570783	85336	992	0	0
30°	557478	61528	380	0	0
35°	538061	34987	134	0	0
40°	458860	14828	0	0	0
45°	269299	5551	155	0	155
50°	65397	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: 269299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.9
10°-20°	77.1	13.7
20°-30°	195.9	34.9
30°-40°	195.3	34.8
40°-50°	79.1	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°	277.9	49.5
0°-40°	473.2	84.4
0°-60°	557.8	99.4
0°-90°	560.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	80	53	25	11	9	19
15°	1460	249	13	1	0	425
25°	2359	353	4	0	0	1065
35°	2010	131	0	0	0	1232
45°	868	18	0	0	0	663
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°	44.1	44.6	44.6	43.6	43.1	43.1	41.5	41.0	39.5	37.9	32.8
5°	80.0	78.4	76.4	76.4	71.8	69.2	65.6	61.5	58.4	53.3	37.9
7.5°	181.5	169.2	165.6	161.0	143.5	129.7	113.8	100.0	87.1	76.4	42.0
10°	457.8	433.7	413.7	373.2	322.4	273.7	228.6	176.3	140.5	111.8	45.1
12.5°	922.2	889.9	851.5	777.7	682.8	561.3	453.7	338.8	237.9	164.6	46.1
15°	1460.5	1405.6	1345.6	1251.8	1096.5	922.2	727.9	544.9	381.9	248.6	45.1
17.5°	1899.3	1877.7	1789.1	1660.9	1470.7	1246.2	1006.8	756.6	515.2	325.5	42.0
20°	2223.3	2208.4	2101.3	1964.9	1750.6	1493.3	1189.3	888.9	608.0	374.2	37.4
22.5°	2379.6	2377.0	2299.6	2160.2	1933.1	1641.4	1306.7	965.3	636.7	380.9	31.3
25°	2359.1	2368.3	2324.2	2220.7	2002.8	1702.4	1341.5	965.3	615.7	352.7	26.1
27.5°	2265.8	2272.0	2244.3	2164.8	1961.8	1658.3	1292.8	903.2	554.7	303.0	21.5
30°	2201.7	2204.3	2169.9	2084.8	1869.5	1557.9	1178.0	788.4	462.4	243.0	15.9
32.5°	2123.8	2123.3	2083.3	1985.9	1748.6	1416.9	1032.4	651.5	355.2	184.5	9.2
35°	2010.0	1997.2	1942.9	1830.6	1568.1	1227.2	846.3	496.2	255.8	130.7	5.6
37.5°	1853.7	1820.3	1743.4	1593.2	1314.9	962.2	627.5	348.6	174.8	86.6	3.6
40°	1603.0	1567.6	1463.0	1280.5	994.5	692.6	422.9	227.1	110.2	51.8	2.1
42.5°	1257.0	1232.9	1091.9	909.9	656.7	441.9	254.3	134.3	62.0	29.7	0.5
45°	868.4	837.1	726.4	572.1	394.2	245.0	142.5	70.2	35.4	17.9	0.0
47.5°	479.3	440.9	376.8	296.3	198.4	128.7	71.8	37.9	20.0	8.7	0.0
50°	191.7	190.2	151.2	107.7	75.9	58.4	35.9	20.5	10.3	3.1	0.5
52.5°	67.2	67.2	57.9	47.2	36.9	26.7	17.9	9.7	3.6	1.0	0.5
55°	14.9	16.4	15.4	14.4	13.8	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	21.0	17.4	15.4	14.9
5°	25.1	15.9	11.3	9.7	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°	13.3	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)