

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: P1336556

Luminaire Tested: P3A05R15B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336556
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: P3A05R15B2750DE010 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

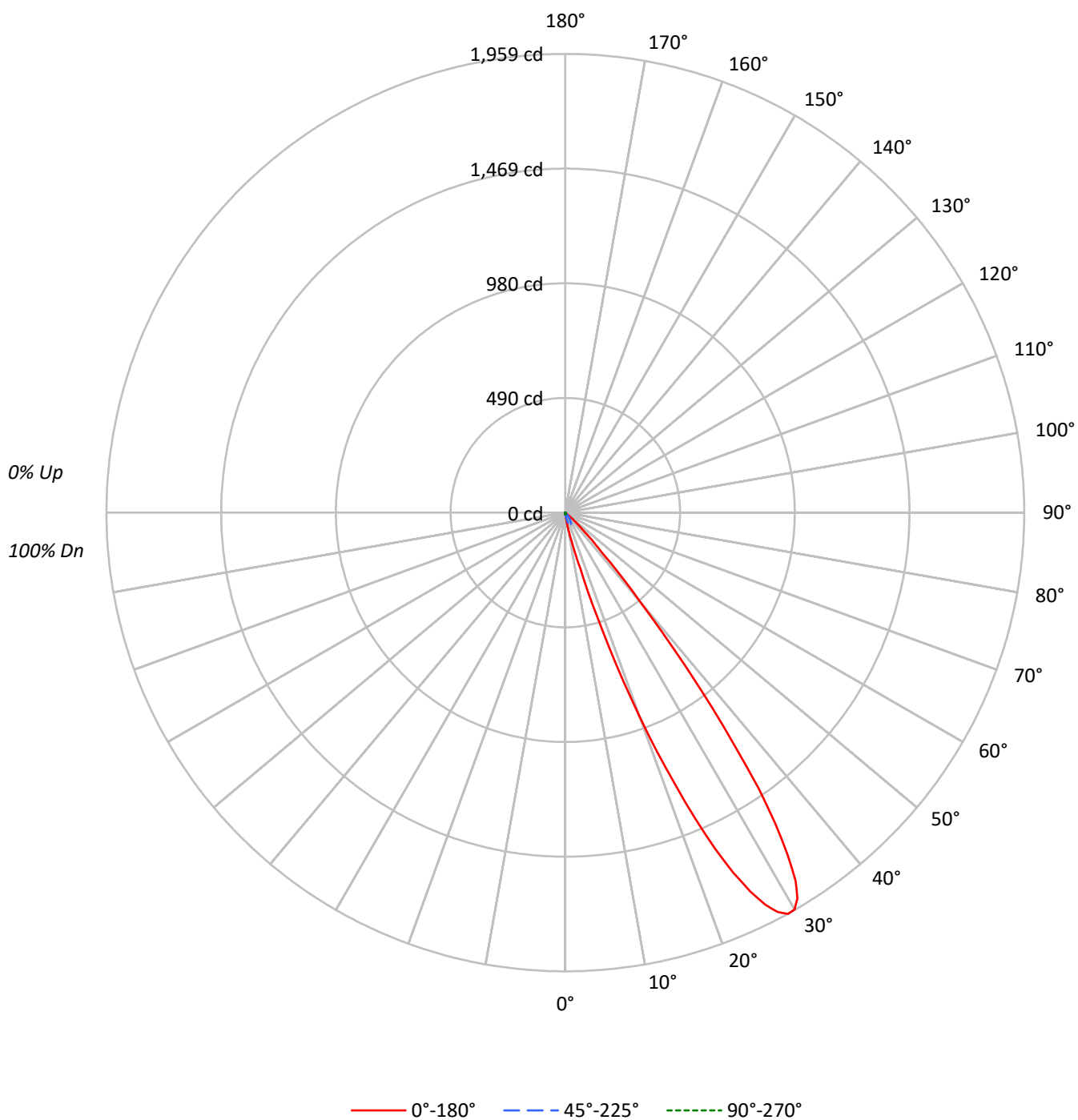
Lumens per Lamp: N/A
Luminaire Lumens: 213.9 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	0
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	99	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	48	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°	1557	1557	1557	1557	1557
5°	3346	2465	1475	770	638
10°	14829	4676	1158	334	223
15°	56096	10829	795	136	91
20°	215735	15261	490	47	47
25°	410225	14299	242	0	0
30°	495570	11546	101	0	0
35°	386521	7870	54	0	0
40°	141036	3864	57	0	57
45°	36221	1147	62	0	124
50°	6106	136	68	68	205
55°	803	0	153	229	382
60°	88	88	263	351	526
65°	104	104	415	519	623
70°	128	128	513	513	641
75°	169	169	678	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	16.4	7.7
20°-30°	90.9	42.5
30°-40°	87.9	41.1
40°-50°	15.3	7.1
50°-60°	1.1	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.3	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°	108.3	50.6
0°-40°	196.2	91.7
0°-60°	212.5	99.4
0°-90°	213.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	7	4	3	3
15°	247	48	4	1	0	110
25°	1696	59	1	0	0	758
35°	1444	29	0	0	0	830
45°	117	4	0	0	0	125
55°	2	0	0	1	1	4
65°	0	0	1	1	1	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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	10.4	10.0	10.2	10.2	10.2	10.2	10.2	9.8	9.8	10.0	9.0
5°	15.2	15.2	15.0	15.2	15.2	15.0	14.6	14.4	14.4	13.9	11.2
7.5°	30.4	30.0	30.0	29.6	27.5	26.9	26.4	25.4	23.5	23.1	14.6
10°	66.6	66.8	65.4	63.5	63.3	60.2	59.1	57.2	53.7	50.2	21.0
12.5°	120.9	118.2	114.7	114.9	108.9	106.8	102.0	96.8	91.4	85.8	34.6
15°	247.1	239.4	244.0	232.7	220.0	205.7	191.1	172.8	157.2	140.5	47.7
17.5°	520.4	527.9	515.2	467.1	437.6	402.8	353.9	306.6	266.2	233.8	58.3
20°	924.5	935.5	892.4	850.6	778.8	700.5	618.9	526.5	438.0	361.4	65.4
21°	1093.3	1086.6	1068.9	1001.9	919.1	828.3	728.4	626.4	519.2	419.7	66.0
22°	1256.5	1259.6	1218.4	1148.3	1062.1	961.5	839.5	713.6	598.1	467.1	64.9
23°	1419.1	1429.1	1374.5	1308.8	1200.3	1086.8	945.7	809.8	667.0	521.5	62.9
24°	1569.6	1562.7	1525.9	1443.0	1327.1	1194.3	1047.7	882.8	723.6	567.9	61.2
25°	1695.5	1694.7	1636.8	1556.3	1423.7	1276.5	1114.9	942.6	772.1	599.3	59.1
26°	1798.6	1781.7	1736.1	1637.9	1506.9	1351.6	1170.1	986.1	799.4	615.1	57.0
27°	1878.1	1866.0	1804.8	1702.6	1565.8	1394.1	1205.5	1007.7	811.9	620.3	54.3
28°	1931.6	1918.5	1853.3	1748.0	1598.3	1420.7	1224.2	1016.9	811.9	615.3	51.8
29°	1959.3	1941.4	1876.4	1763.6	1605.8	1423.9	1219.7	1008.0	799.2	599.9	48.9
30°	1957.2	1934.9	1866.9	1749.4	1583.5	1398.3	1194.1	975.7	770.4	577.0	45.6
31°	1923.5	1898.5	1822.5	1701.6	1537.5	1350.0	1145.8	932.4	731.1	547.3	42.3
32°	1855.0	1823.3	1749.2	1628.7	1466.8	1277.7	1075.6	865.6	672.2	503.8	38.7
33°	1743.4	1711.6	1632.0	1519.0	1371.0	1186.1	982.6	793.7	605.1	451.9	35.8
34°	1603.7	1574.6	1506.1	1392.2	1250.3	1070.2	875.6	694.4	535.6	400.5	32.7
35°	1443.9	1397.4	1335.4	1245.3	1106.8	925.7	760.0	602.0	464.0	346.6	29.4
36°	1227.6	1235.9	1170.1	1059.8	945.1	803.1	644.1	501.9	388.0	295.4	26.4
37°	1035.8	1022.7	980.9	895.5	795.6	654.7	539.8	425.5	326.4	249.8	23.3
38°	835.6	838.5	797.5	731.9	632.8	538.3	434.4	349.5	273.1	212.5	20.4
39°	654.1	651.8	640.7	580.0	490.2	428.2	352.0	289.8	227.5	179.2	17.3
40°	492.7	496.5	470.7	434.0	381.8	330.8	280.4	231.1	188.2	151.1	13.5
42.5°	239.6	245.4	228.4	219.0	195.9	175.9	148.4	121.2	103.0	89.1	6.0
45°	116.8	113.5	112.0	107.4	102.0	91.2	80.8	69.3	60.6	52.3	3.7
47.5°	59.7	58.1	58.1	56.2	54.3	50.8	45.6	41.8	37.7	32.5	1.5
50°	17.9	17.7	17.5	17.7	17.1	17.7	18.1	18.3	16.7	16.4	0.4
52.5°	7.1	7.3	7.1	7.7	7.7	7.5	7.7	7.5	7.3	6.5	0.0
55°	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.3	2.5	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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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	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	8.3	7.3	6.0	5.0	4.6	4.4
5°	9.0	6.7	4.6	3.5	3.1	2.9
7.5°	9.6	6.0	3.5	2.5	1.9	1.7
10°	10.0	5.2	2.7	1.5	1.0	1.0
12.5°	10.0	4.2	1.9	0.8	0.6	0.6
15°	9.8	3.5	1.2	0.6	0.4	0.4
17.5°	9.6	2.7	0.8	0.4	0.2	0.4
20°	9.0	2.1	0.4	0.2	0.2	0.2
21°	8.7	1.9	0.4	0.2	0.2	0.2
22°	8.3	1.7	0.2	0.0	0.2	0.2
23°	7.9	1.2	0.2	0.0	0.0	0.0
24°	7.3	1.0	0.2	0.0	0.0	0.0
25°	6.9	1.0	0.2	0.0	0.0	0.0
26°	6.5	0.6	0.0	0.0	0.0	0.0
27°	5.8	0.4	0.0	0.0	0.0	0.0
28°	5.4	0.4	0.0	0.0	0.0	0.0
29°	4.8	0.4	0.0	0.0	0.0	0.0
30°	4.2	0.4	0.0	0.0	0.0	0.0
31°	3.3	0.2	0.0	0.0	0.0	0.0
32°	2.7	0.2	0.0	0.0	0.0	0.0
33°	1.9	0.2	0.0	0.0	0.0	0.0
34°	1.2	0.2	0.0	0.0	0.0	0.0
35°	1.0	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.8
55°	0.2	0.4	0.4	0.6	0.8	1.0
57.5°	0.2	0.6	0.6	0.8	1.0	1.0
60°	0.4	0.6	0.8	0.8	1.2	1.2
62.5°	0.4	0.8	0.8	0.8	1.2	1.2
65°	0.4	0.8	0.8	1.0	1.2	1.2
67.5°	0.4	0.8	0.8	0.8	1.0	1.2
70°	0.4	0.8	0.6	0.8	1.0	1.0
72.5°	0.4	0.8	0.6	0.6	0.8	1.0
75°	0.4	0.8	0.6	0.6	0.8	0.8
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)