

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: P1336555

Luminaire Tested: P3A05R15B2750DE010 E3A301WMH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336555
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

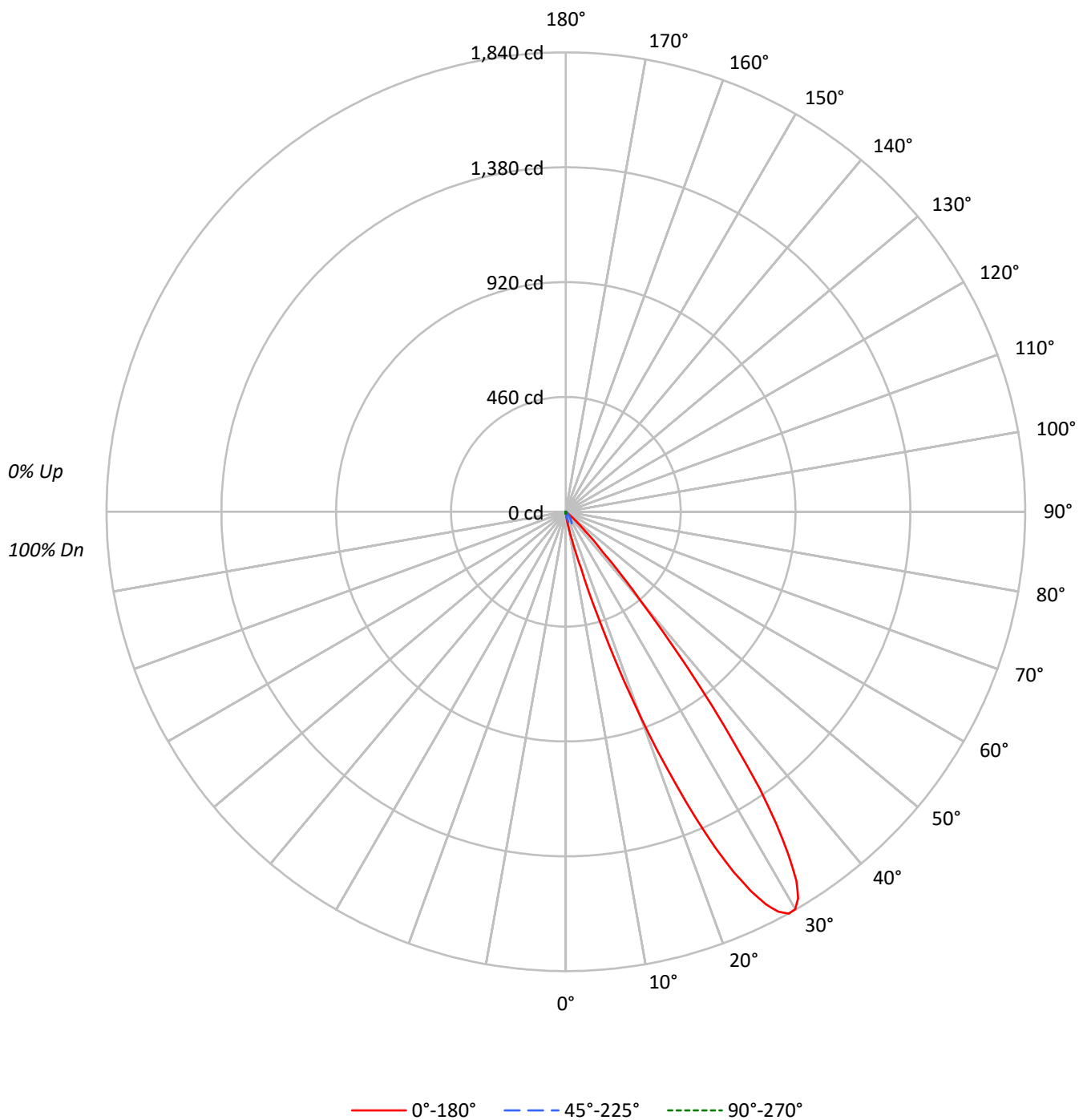
Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

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	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	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1447	1447	1447	1447	1447
5°	3148	2333	1387	726	594
10°	13939	4386	1091	312	223
15°	52690	10170	749	136	91
20°	202621	14328	467	47	47
25°	385305	13428	242	0	0
30°	465464	10837	101	0	0
35°	363017	7388	54	0	0
40°	132477	3635	57	0	57
45°	34019	1085	62	0	124
50°	5731	136	68	68	205
55°	765	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: 34019 cd/sqm

TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	15.4	7.7
20°-30°	85.4	42.5
30°-40°	82.5	41.1
40°-50°	14.4	7.1
50°-60°	1.0	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
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°	101.7	50.6
0°-40°	184.3	91.7
0°-60°	199.7	99.3
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	14	11	6	3	3	3
15°	232	45	3	1	0	103
25°	1592	56	1	0	0	712
35°	1356	28	0	0	0	780
45°	110	4	0	0	0	118
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	



TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	9.8	9.4	9.6	9.6	9.6	9.6	9.6	9.2	9.2	9.4	8.4
5°	14.3	14.3	14.1	14.3	14.3	14.1	13.7	13.5	13.5	13.1	10.6
7.5°	28.5	28.2	28.2	27.8	25.8	25.2	24.8	23.9	22.1	21.7	13.7
10°	62.6	62.8	61.4	59.6	59.4	56.5	55.5	53.8	50.4	47.1	19.7
12.5°	113.6	111.1	107.7	107.9	102.3	100.3	95.8	90.9	85.8	80.6	32.5
15°	232.1	224.9	229.2	218.6	206.7	193.2	179.5	162.3	147.6	132.0	44.8
17.5°	488.8	495.8	483.9	438.8	411.0	378.3	332.4	288.0	250.1	219.6	54.7
20°	868.3	878.7	838.2	798.9	731.4	657.9	581.3	494.5	411.4	339.4	61.4
21°	1026.9	1020.6	1004.0	941.0	863.2	778.0	684.1	588.3	487.6	394.2	62.0
22°	1180.2	1183.1	1144.4	1078.5	997.6	903.1	788.5	670.3	561.7	438.8	61.0
23°	1332.9	1342.3	1291.0	1229.2	1127.4	1020.8	888.3	760.6	626.5	489.8	59.0
24°	1474.2	1467.8	1433.2	1355.4	1246.5	1121.7	984.1	829.2	679.6	533.4	57.5
25°	1592.5	1591.7	1537.4	1461.7	1337.2	1198.9	1047.2	885.3	725.2	562.9	55.5
26°	1689.3	1673.5	1630.7	1538.4	1415.4	1269.5	1099.0	926.2	750.8	577.8	53.6
27°	1764.0	1752.7	1695.2	1599.2	1470.7	1309.4	1132.3	946.5	762.5	582.7	51.0
28°	1814.3	1801.9	1740.7	1641.8	1501.2	1334.4	1149.9	955.1	762.5	578.0	48.7
29°	1840.3	1823.4	1762.4	1656.5	1508.3	1337.4	1145.6	946.7	750.6	563.5	45.9
30°	1838.3	1817.4	1753.4	1643.2	1487.3	1313.3	1121.5	916.4	723.6	542.0	42.8
31°	1806.6	1783.2	1711.8	1598.2	1444.1	1268.0	1076.2	875.7	686.7	514.0	39.7
32°	1742.3	1712.6	1643.0	1529.8	1377.7	1200.1	1010.3	813.0	631.3	473.2	36.4
33°	1637.5	1607.6	1532.9	1426.7	1287.7	1114.1	922.9	745.5	568.4	424.5	33.6
34°	1506.3	1478.9	1414.6	1307.7	1174.3	1005.2	822.4	652.3	503.1	376.2	30.7
35°	1356.1	1312.5	1254.3	1169.6	1039.6	869.5	713.9	565.5	435.8	325.5	27.6
36°	1153.0	1160.8	1099.0	995.4	887.7	754.3	604.9	471.4	364.5	277.4	24.8
37°	972.9	960.6	921.3	841.1	747.3	614.9	507.0	399.6	306.6	234.6	21.9
38°	784.8	787.6	749.0	687.5	594.4	505.6	408.1	328.3	256.5	199.6	19.2
39°	614.3	612.2	601.8	544.7	460.5	402.2	330.6	272.2	213.7	168.3	16.2
40°	462.8	466.3	442.1	407.7	358.6	310.7	263.4	217.0	176.8	141.9	12.7
42.5°	225.0	230.5	214.5	205.7	184.0	165.2	139.4	113.8	96.8	83.7	5.7
45°	109.7	106.6	105.2	100.9	95.8	85.6	75.9	65.1	56.9	49.1	3.5
47.5°	56.1	54.6	54.6	52.8	51.0	47.7	42.8	39.3	35.4	30.5	1.4
50°	16.8	16.6	16.4	16.6	16.0	16.6	17.0	17.2	15.6	15.4	0.4
52.5°	6.6	6.8	6.6	7.2	7.2	7.0	7.2	7.0	6.8	6.1	0.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.2	2.3	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



TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

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

TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	7.8	6.8	5.7	4.7	4.3	4.1
5°	8.4	6.3	4.3	3.3	2.9	2.7
7.5°	9.0	5.7	3.3	2.3	1.8	1.6
10°	9.4	4.9	2.5	1.4	1.0	1.0
12.5°	9.4	3.9	1.8	0.8	0.6	0.6
15°	9.2	3.3	1.2	0.6	0.4	0.4
17.5°	9.0	2.5	0.8	0.4	0.2	0.4
20°	8.4	2.0	0.4	0.2	0.2	0.2
21°	8.2	1.8	0.4	0.2	0.2	0.2
22°	7.8	1.6	0.2	0.0	0.2	0.2
23°	7.4	1.2	0.2	0.0	0.0	0.0
24°	6.8	1.0	0.2	0.0	0.0	0.0
25°	6.5	1.0	0.2	0.0	0.0	0.0
26°	6.1	0.6	0.0	0.0	0.0	0.0
27°	5.5	0.4	0.0	0.0	0.0	0.0
28°	5.1	0.4	0.0	0.0	0.0	0.0
29°	4.5	0.4	0.0	0.0	0.0	0.0
30°	3.9	0.4	0.0	0.0	0.0	0.0
31°	3.1	0.2	0.0	0.0	0.0	0.0
32°	2.5	0.2	0.0	0.0	0.0	0.0
33°	1.8	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



TEST NUMBER: P1336555

CATALOG NUMBER: P3A05R15B2750DE010 E3A301WMH_4000K

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)