

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: P1337052

Luminaire Tested: P3A05R20B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20B2750DE010 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

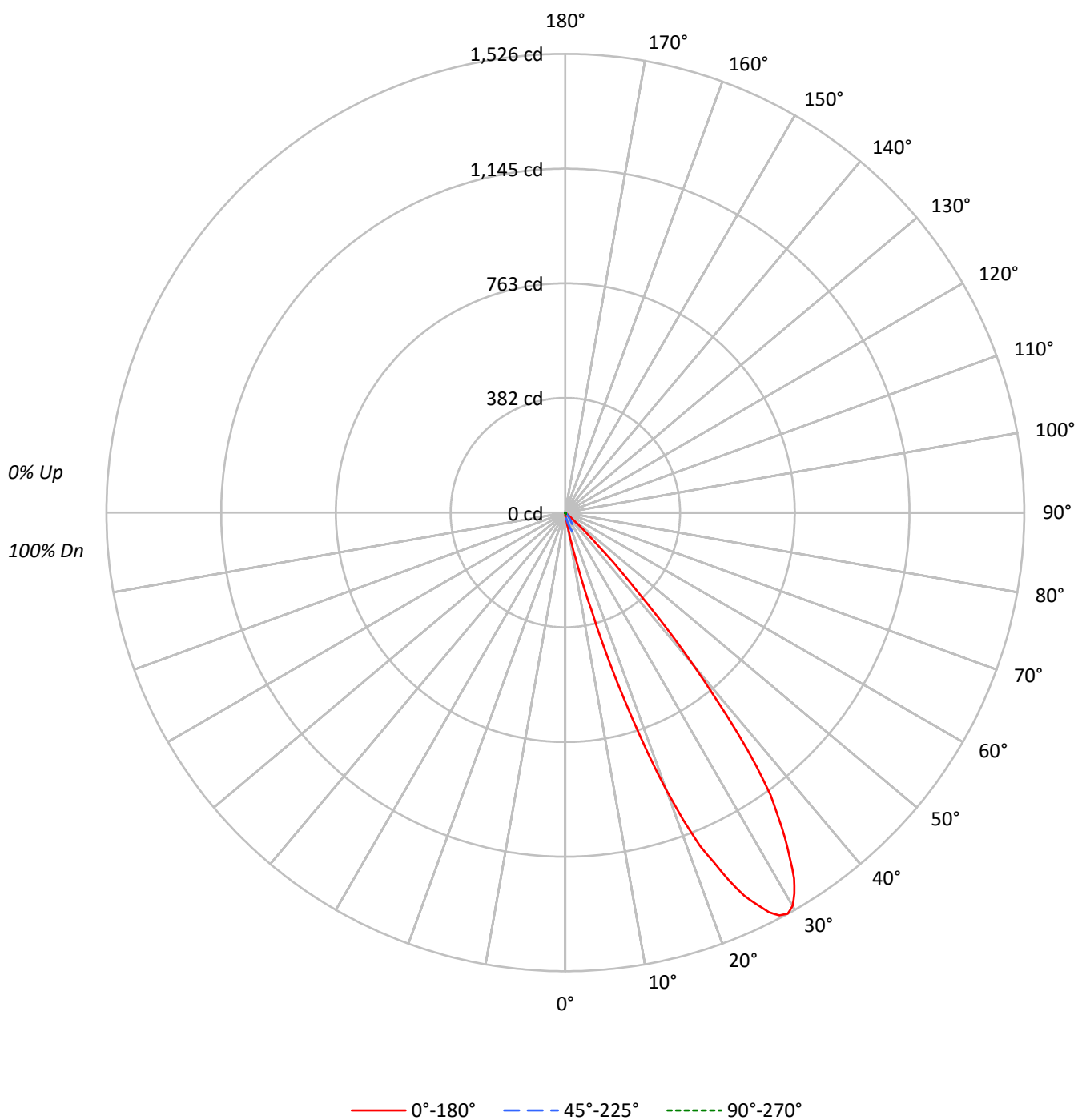
Lumens per Lamp: N/A
Luminaire Lumens: 214.1 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1623	1623	1623	1623	1623
5°	3720	2773	1541	947	814
10°	11712	4832	1247	512	379
15°	75891	8944	931	182	45
20°	229060	15308	630	0	0
25°	340181	15461	387	0	0
30°	382565	11749	152	0	0
35°	330065	7014	107	0	0
40°	190070	2376	0	0	0
45°	46361	961	62	0	62
50°	5561	273	68	68	205
55°	726	0	153	153	306
60°	88	0	263	263	439
65°	104	104	415	415	623
70°	128	128	513	513	641
75°	0	169	678	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 46672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	19.8	9.3
20°-30°	86.4	40.4
30°-40°	87.1	40.7
40°-50°	17.5	8.2
50°-60°	0.9	0.4
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°	107.3	50.1
0°-40°	194.3	90.8
0°-60°	212.7	99.4
0°-90°	214.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	17	13	7	4	4	3
15°	334	39	4	1	0	131
25°	1406	64	2	0	0	634
35°	1233	26	0	0	0	734
45°	150	3	0	0	0	163
55°	2	0	0	0	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°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
2.5°	11.1	11.1	10.9	10.9	10.7	10.9	10.5	10.7	10.7	10.5	9.5
5°	16.9	17.3	17.1	17.1	16.9	17.1	16.7	16.3	15.9	15.9	12.6
7.5°	27.8	27.6	27.2	27.4	26.8	26.4	26.0	25.8	24.7	24.1	16.5
10°	52.6	53.8	52.8	52.6	49.1	48.9	46.6	43.3	40.4	38.8	21.7
12.5°	144.8	151.0	141.3	136.7	134.0	123.5	119.0	107.6	96.5	88.1	27.6
15°	334.3	349.7	330.1	331.4	315.1	285.2	259.0	236.5	209.9	183.1	39.4
17.5°	655.1	642.6	632.0	613.9	580.7	536.8	480.3	423.1	373.5	321.7	54.9
20°	981.6	970.5	946.3	906.9	864.5	799.5	732.3	646.3	563.0	485.0	65.6
21°	1094.0	1090.3	1050.5	1026.3	961.0	898.9	821.4	729.4	635.6	543.2	67.4
22°	1194.4	1172.3	1150.9	1115.0	1050.2	982.6	896.4	799.5	697.8	595.1	67.6
23°	1263.9	1253.8	1233.6	1193.0	1128.6	1049.2	958.3	857.0	749.8	631.8	67.0
24°	1340.8	1328.0	1298.5	1251.1	1186.1	1107.6	1003.9	903.4	786.9	662.6	65.4
25°	1406.0	1386.0	1351.1	1300.0	1229.0	1148.0	1043.7	933.3	812.7	683.4	63.9
26°	1448.3	1437.5	1392.6	1337.1	1261.0	1177.5	1071.1	956.2	829.4	692.9	61.4
27°	1492.4	1472.4	1428.4	1364.5	1282.0	1196.7	1086.7	967.2	835.2	693.3	58.2
28°	1517.7	1495.9	1446.0	1378.8	1295.6	1207.4	1095.6	970.7	834.1	687.3	54.6
29°	1525.6	1498.2	1449.5	1381.2	1298.9	1208.2	1094.2	965.7	823.8	672.5	50.3
30°	1510.9	1482.9	1436.7	1370.1	1288.4	1198.5	1081.6	949.0	805.5	651.4	46.4
31°	1478.6	1455.0	1410.3	1343.5	1265.1	1175.8	1053.1	921.6	774.5	623.0	41.9
32°	1436.1	1412.8	1368.9	1308.6	1228.8	1138.7	1014.0	878.9	738.0	580.7	37.5
33°	1372.2	1358.8	1319.4	1261.8	1182.0	1085.7	961.6	827.9	685.9	533.7	33.6
34°	1307.6	1290.7	1263.1	1200.0	1114.2	1018.1	893.3	757.4	622.4	481.1	29.9
35°	1233.0	1222.9	1179.6	1129.2	1043.0	944.7	820.7	688.8	548.5	422.5	26.2
36°	1160.8	1145.3	1096.0	1042.6	958.9	852.7	730.2	606.3	484.6	367.5	22.3
37°	1056.0	1032.3	997.1	940.8	843.0	752.5	640.7	525.8	406.0	308.1	18.1
38°	932.7	921.6	872.9	816.2	735.2	649.4	538.8	441.3	334.9	257.2	13.8
39°	787.3	787.1	740.5	699.5	620.3	543.0	443.2	358.2	276.5	207.2	10.7
40°	664.0	641.1	612.3	560.9	500.1	434.5	347.1	280.4	214.5	167.0	8.3
42.5°	348.1	346.2	329.3	290.6	256.7	218.0	173.4	144.4	113.0	92.0	5.2
45°	149.5	150.5	138.8	133.0	119.8	103.7	87.6	73.0	62.5	50.7	3.1
47.5°	37.9	36.3	35.9	37.3	37.3	36.1	32.4	30.5	28.2	25.8	1.7
50°	16.3	15.9	15.5	15.5	14.6	14.0	13.0	11.8	10.9	9.7	0.8
52.5°	6.0	6.2	6.4	6.2	6.2	6.0	6.0	5.8	5.2	4.7	0.4
55°	1.9	1.9	1.9	2.1	2.1	2.3	2.3	2.3	2.3	2.1	0.0
57.5°	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
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	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

TEST NUMBER: P1337052

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	7.4	7.4	7.4	7.4	7.4	7.4
2.5°	8.5	7.6	6.4	5.4	5.2	5.0
5°	9.5	7.0	5.2	4.3	3.9	3.7
7.5°	10.3	6.4	4.3	3.1	2.7	2.5
10°	10.7	5.6	3.5	2.3	1.7	1.7
12.5°	10.9	4.9	2.5	1.6	1.0	1.0
15°	10.7	4.1	1.9	0.8	0.2	0.2
17.5°	9.7	3.3	1.2	0.2	0.0	0.0
20°	8.3	2.7	0.8	0.0	0.0	0.0
21°	8.0	2.3	0.6	0.0	0.0	0.0
22°	7.4	2.1	0.4	0.0	0.0	0.0
23°	6.8	1.9	0.4	0.0	0.0	0.0
24°	6.2	1.7	0.2	0.0	0.0	0.0
25°	5.8	1.6	0.2	0.0	0.0	0.0
26°	5.4	1.4	0.2	0.0	0.0	0.0
27°	4.9	1.2	0.0	0.0	0.0	0.0
28°	4.5	1.0	0.0	0.0	0.0	0.0
29°	3.9	0.8	0.0	0.0	0.0	0.0
30°	3.3	0.6	0.0	0.0	0.0	0.0
31°	2.7	0.6	0.0	0.0	0.0	0.0
32°	2.3	0.4	0.0	0.0	0.0	0.0
33°	1.9	0.4	0.0	0.0	0.0	0.0
34°	1.7	0.4	0.0	0.0	0.0	0.0
35°	1.6	0.4	0.0	0.0	0.0	0.0
36°	1.2	0.2	0.0	0.0	0.0	0.0
37°	1.0	0.2	0.0	0.0	0.0	0.0
38°	0.8	0.2	0.0	0.0	0.0	0.0
39°	0.6	0.0	0.0	0.0	0.0	0.0
40°	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	0.2	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.2	0.0	0.0	0.2	0.2
47.5°	0.0	0.2	0.0	0.0	0.2	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.2	0.6	0.6
55°	0.2	0.4	0.2	0.4	0.8	0.8
57.5°	0.2	0.4	0.4	0.6	0.8	1.0
60°	0.4	0.6	0.6	0.6	1.0	1.0
62.5°	0.4	0.6	0.8	0.8	1.0	1.2
65°	0.4	0.8	0.8	0.8	1.0	1.2
67.5°	0.6	0.8	0.8	0.8	1.0	1.2
70°	0.6	0.8	0.8	0.8	1.0	1.0
72.5°	0.6	0.8	0.6	0.8	0.8	1.0
75°	0.6	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	0.4	0.2	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)