

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: P1337055

Luminaire Tested: P3A05R20B2750DE010 E3A301WMH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337055
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

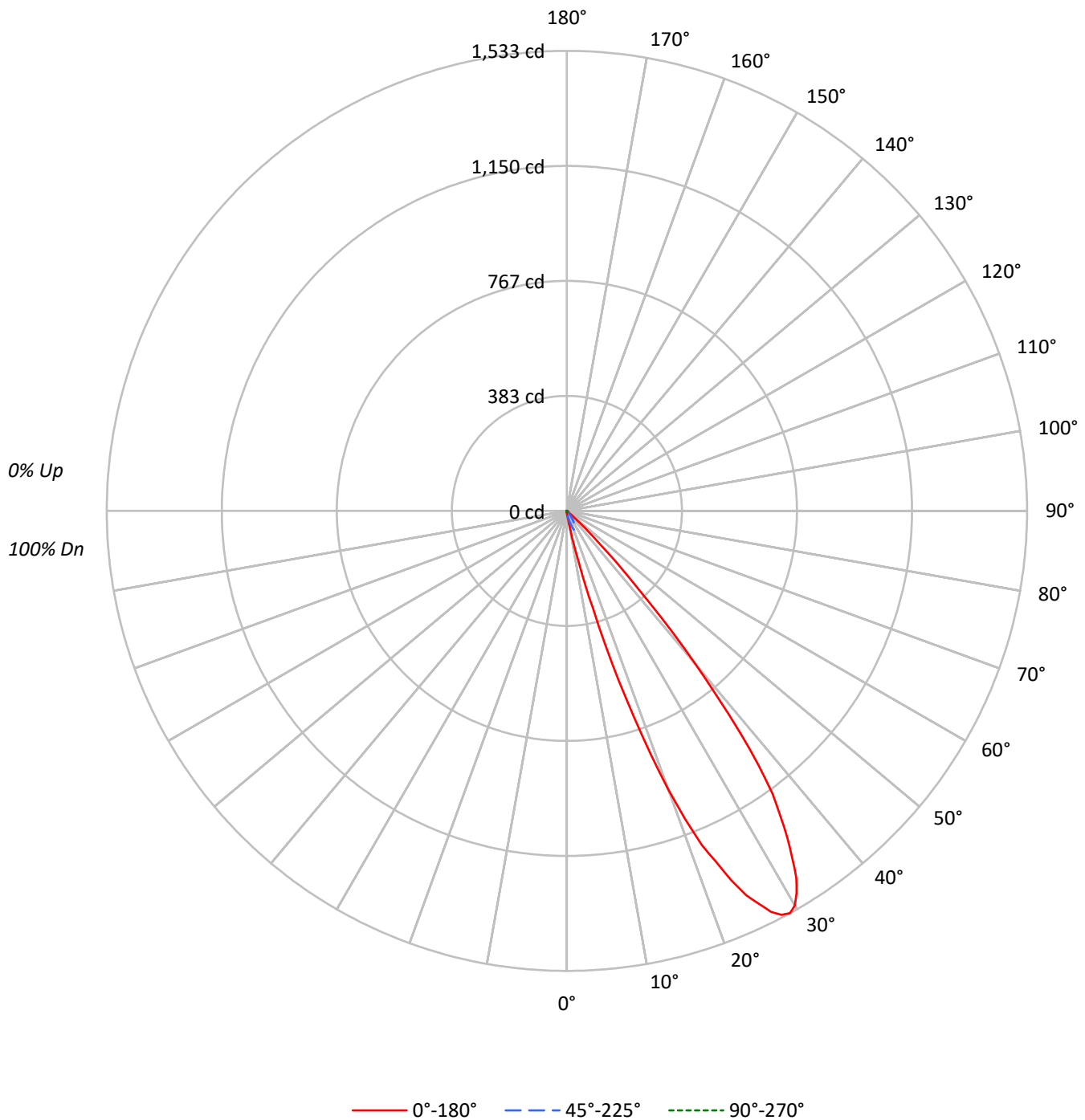
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	71		77	73	70		68
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71	67	63		61
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65	61	57		55
7	76	65	58	53	74	64	57	53	63	57	52		62	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	43		41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	42	39		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1623	1623	1623	1623	1623
5°	3742	2796	1541	947	814
10°	11779	4854	1269	512	401
15°	76255	8990	931	182	45
20°	230133	15378	630	0	0
25°	341778	15533	387	0	0
30°	384338	11799	152	0	0
35°	331617	7040	107	0	0
40°	190958	2405	0	0	0
45°	46578	961	62	0	62
50°	5595	273	68	68	205
55°	765	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: 46889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	19.9	9.3
20°-30°	86.8	40.4
30°-40°	87.5	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°	107.8	50.1
0°-40°	195.2	90.8
0°-60°	213.7	99.4
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	17	13	7	4	4	3
15°	336	40	4	1	0	132
25°	1413	64	2	0	0	637
35°	1239	26	0	0	0	737
45°	150	3	0	0	0	164
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	9.6
5°	17.0	17.4	17.2	17.2	17.0	17.2	16.8	16.4	16.0	16.0	12.7
7.5°	27.9	27.7	27.3	27.5	26.9	26.5	26.1	25.9	24.8	24.2	16.6
10°	52.9	54.0	53.1	52.9	49.3	49.2	46.8	43.5	40.6	39.0	21.8
12.5°	145.5	151.8	142.0	137.3	134.6	124.1	119.6	108.1	96.9	88.6	27.7
15°	335.9	351.3	331.6	333.0	316.6	286.5	260.2	237.6	210.9	183.9	39.6
17.5°	658.1	645.6	634.9	616.8	583.4	539.3	482.6	425.0	375.3	323.2	55.2
20°	986.2	975.1	950.7	911.1	868.6	803.2	735.8	649.3	565.7	487.2	65.9
21°	1099.1	1095.4	1055.4	1031.1	965.5	903.1	825.3	732.8	638.6	545.8	67.7
22°	1200.0	1177.7	1156.3	1120.2	1055.1	987.2	900.6	803.2	701.0	597.8	67.9
23°	1269.8	1259.7	1239.4	1198.6	1133.9	1054.1	962.8	861.0	753.3	634.7	67.3
24°	1347.1	1334.2	1304.5	1256.9	1191.6	1112.8	1008.6	907.6	790.6	665.7	65.7
25°	1412.6	1392.5	1357.4	1306.1	1234.7	1153.4	1048.6	937.6	816.5	686.6	64.2
26°	1455.1	1444.2	1399.1	1343.4	1266.9	1183.0	1076.1	960.7	833.3	696.2	61.6
27°	1499.4	1479.3	1435.0	1370.9	1288.0	1202.3	1091.7	971.8	839.1	696.5	58.5
28°	1524.8	1502.9	1452.8	1385.3	1301.6	1213.1	1100.7	975.3	838.0	690.5	54.8
29°	1532.7	1505.2	1456.3	1387.6	1304.9	1213.8	1099.3	970.2	827.6	675.7	50.5
30°	1517.9	1489.8	1443.4	1376.5	1294.4	1204.1	1086.7	953.4	809.3	654.4	46.6
31°	1485.5	1461.7	1416.9	1349.8	1271.0	1181.3	1058.0	925.9	778.1	625.9	42.1
32°	1442.8	1419.4	1375.3	1314.7	1234.5	1144.0	1018.8	883.0	741.4	583.4	37.6
33°	1378.7	1365.2	1325.6	1267.7	1187.5	1090.8	966.1	831.7	689.1	536.2	33.7
34°	1313.7	1296.7	1269.0	1205.6	1119.4	1022.9	897.5	760.9	625.3	483.3	30.0
35°	1238.8	1228.7	1185.2	1134.4	1047.8	949.1	824.5	692.1	551.0	424.4	26.3
36°	1166.2	1150.6	1101.1	1047.5	963.4	856.7	733.6	609.2	486.9	369.2	22.4
37°	1060.9	1037.1	1001.8	945.2	846.9	756.0	643.7	528.2	407.9	309.6	18.1
38°	937.0	925.9	877.0	820.0	738.7	652.5	541.3	443.4	336.5	258.4	13.8
39°	791.0	790.8	743.9	702.8	623.2	545.6	445.3	359.9	277.8	208.1	10.7
40°	667.1	644.1	615.2	563.5	502.5	436.5	348.8	281.7	215.5	167.7	8.4
42.5°	349.7	347.8	330.8	292.0	257.9	219.0	174.2	145.1	113.5	92.5	5.3
45°	150.2	151.2	139.5	133.6	120.3	104.2	88.0	73.3	62.8	50.9	3.1
47.5°	38.0	36.5	36.1	37.5	37.5	36.3	32.6	30.6	28.3	25.9	1.8
50°	16.4	16.0	15.6	15.6	14.6	14.0	13.1	11.9	10.9	9.8	0.8
52.5°	6.0	6.2	6.4	6.2	6.2	6.0	6.0	5.9	5.3	4.7	0.4
55°	2.0	2.0	2.0	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: P1337055

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_4000K

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°	8.6	7.6	6.4	5.5	5.3	5.1
5°	9.6	7.0	5.3	4.3	3.9	3.7
7.5°	10.3	6.4	4.3	3.1	2.7	2.5
10°	10.7	5.7	3.5	2.3	1.8	1.8
12.5°	10.9	4.9	2.5	1.6	1.0	1.0
15°	10.7	4.1	2.0	0.8	0.2	0.2
17.5°	9.8	3.3	1.2	0.2	0.0	0.0
20°	8.4	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	2.0	0.4	0.0	0.0	0.0
24°	6.2	1.8	0.2	0.0	0.0	0.0
25°	5.9	1.6	0.2	0.0	0.0	0.0
26°	5.5	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°	2.0	0.4	0.0	0.0	0.0	0.0
34°	1.8	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)