

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: P1337053

Luminaire Tested: P3A05R20B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337053
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

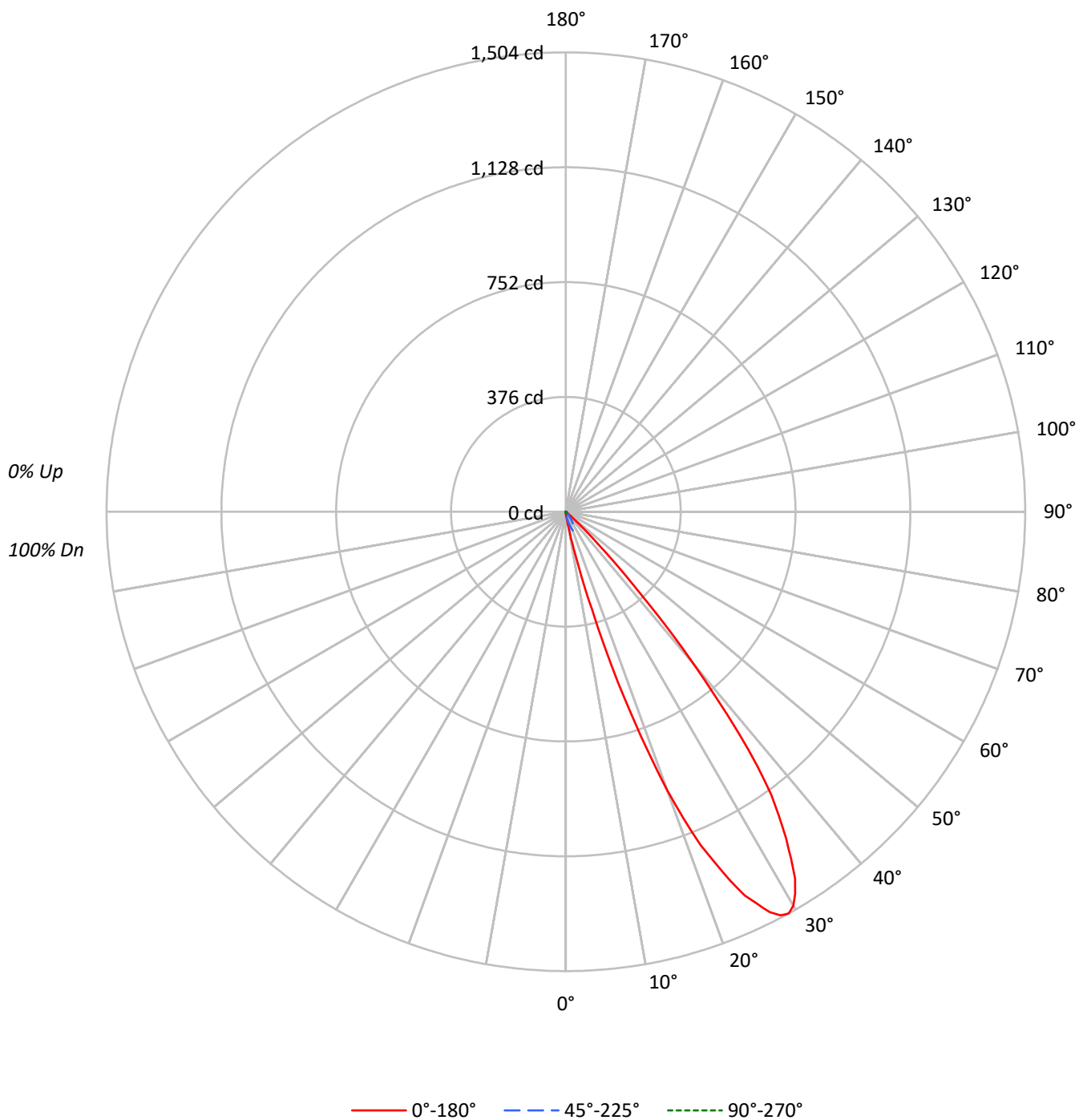
Lumens per Lamp: N/A
Luminaire Lumens: 211.1 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	1601	1601	1601	1601	1601
5°	3676	2729	1519	924	792
10°	11556	4765	1247	512	379
15°	74824	8831	908	182	45
20°	225863	15098	630	0	0
25°	335415	15243	363	0	0
30°	377197	11597	152	0	0
35°	325460	6906	107	0	0
40°	187408	2347	0	0	0
45°	45710	961	62	0	62
50°	5492	273	68	68	205
55°	726	0	153	153	306
60°	88	0	263	263	439
65°	104	104	415	415	571
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: 46020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	19.6	9.3
20°-30°	85.2	40.4
30°-40°	85.8	40.7
40°-50°	17.2	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°	105.8	50.1
0°-40°	191.6	90.8
0°-60°	209.7	99.3
0°-90°	211.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	17	12	7	4	4	3
15°	330	39	4	1	0	129
25°	1386	63	2	0	0	625
35°	1216	26	0	0	0	723
45°	147	3	0	0	0	160
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°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
2.5°	10.9	10.9	10.7	10.7	10.5	10.7	10.3	10.5	10.5	10.3	9.4
5°	16.7	17.0	16.8	16.8	16.7	16.8	16.5	16.1	15.7	15.7	12.4
7.5°	27.4	27.2	26.8	27.0	26.4	26.0	25.7	25.5	24.3	23.7	16.3
10°	51.9	53.0	52.1	51.9	48.4	48.2	45.9	42.7	39.8	38.3	21.4
12.5°	142.8	148.9	139.4	134.8	132.1	121.7	117.3	106.1	95.1	86.9	27.2
15°	329.6	344.8	325.4	326.8	310.7	281.2	255.4	233.2	206.9	180.5	38.9
17.5°	645.9	633.6	623.1	605.3	572.6	529.3	473.6	417.1	368.3	317.2	54.2
20°	967.9	956.9	933.0	894.2	852.4	788.3	722.1	637.3	555.1	478.2	64.7
21°	1078.7	1075.1	1035.8	1011.9	947.6	886.3	809.9	719.2	626.7	535.6	66.4
22°	1177.7	1155.8	1134.8	1099.4	1035.4	968.8	883.8	788.3	688.0	586.7	66.6
23°	1246.2	1236.2	1216.3	1176.3	1112.8	1034.5	944.9	845.0	739.3	622.9	66.0
24°	1322.0	1309.4	1280.3	1233.6	1169.4	1092.1	989.9	890.7	775.9	653.3	64.5
25°	1386.3	1366.6	1332.1	1281.8	1211.7	1131.9	1029.1	920.2	801.3	673.8	63.0
26°	1428.0	1417.3	1373.1	1318.4	1243.3	1161.0	1056.1	942.8	817.8	683.2	60.5
27°	1471.5	1451.8	1408.3	1345.3	1264.0	1180.0	1071.4	953.7	823.5	683.6	57.4
28°	1496.4	1474.9	1425.7	1359.5	1277.4	1190.5	1080.2	957.1	822.4	677.7	53.8
29°	1504.2	1477.2	1429.2	1361.8	1280.6	1191.3	1078.9	952.2	812.2	663.1	49.6
30°	1489.7	1462.1	1416.6	1350.9	1270.3	1181.7	1066.4	935.7	794.2	642.2	45.8
31°	1457.9	1434.6	1390.5	1324.7	1247.3	1159.3	1038.3	908.7	763.6	614.3	41.3
32°	1416.0	1393.0	1349.8	1290.2	1211.5	1122.7	999.8	866.6	727.6	572.6	36.9
33°	1353.0	1339.8	1300.9	1244.1	1165.4	1070.5	948.1	816.2	676.3	526.2	33.1
34°	1289.3	1272.6	1245.4	1183.2	1098.6	1003.8	880.8	746.8	613.7	474.4	29.5
35°	1215.8	1205.8	1163.1	1113.3	1028.3	931.5	809.2	679.2	540.8	416.5	25.8
36°	1144.5	1129.2	1080.6	1028.0	945.5	840.7	720.0	597.8	477.8	362.4	22.0
37°	1041.2	1017.8	983.2	927.7	831.2	742.0	631.7	518.4	400.3	303.8	17.8
38°	919.6	908.7	860.7	804.8	724.9	640.3	531.2	435.1	330.2	253.6	13.6
39°	776.2	776.0	730.1	689.7	611.6	535.4	437.0	353.2	272.6	204.3	10.5
40°	654.7	632.1	603.8	553.0	493.1	428.4	342.3	276.4	211.5	164.6	8.2
42.5°	343.2	341.3	324.7	286.6	253.1	215.0	170.9	142.4	111.4	90.7	5.2
45°	147.4	148.4	136.9	131.1	118.1	102.2	86.3	72.0	61.6	50.0	3.1
47.5°	37.3	35.8	35.4	36.8	36.8	35.6	32.0	30.1	27.8	25.5	1.7
50°	16.1	15.7	15.3	15.3	14.4	13.8	12.8	11.7	10.7	9.6	0.8
52.5°	5.9	6.1	6.3	6.1	6.1	5.9	5.9	5.7	5.2	4.6	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

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	7.3	7.3	7.3	7.3	7.3	7.3
2.5°	8.4	7.5	6.3	5.4	5.2	5.0
5°	9.4	6.9	5.2	4.2	3.8	3.6
7.5°	10.1	6.3	4.2	3.1	2.7	2.5
10°	10.5	5.6	3.4	2.3	1.7	1.7
12.5°	10.7	4.8	2.5	1.5	1.0	1.0
15°	10.5	4.0	1.9	0.8	0.2	0.2
17.5°	9.6	3.3	1.1	0.2	0.0	0.0
20°	8.2	2.7	0.8	0.0	0.0	0.0
21°	7.8	2.3	0.6	0.0	0.0	0.0
22°	7.3	2.1	0.4	0.0	0.0	0.0
23°	6.7	1.9	0.4	0.0	0.0	0.0
24°	6.1	1.7	0.2	0.0	0.0	0.0
25°	5.7	1.5	0.2	0.0	0.0	0.0
26°	5.4	1.3	0.2	0.0	0.0	0.0
27°	4.8	1.1	0.0	0.0	0.0	0.0
28°	4.4	1.0	0.0	0.0	0.0	0.0
29°	3.8	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°	1.5	0.4	0.0	0.0	0.0	0.0
36°	1.1	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	1.1
65°	0.4	0.8	0.8	0.8	1.0	1.1
67.5°	0.6	0.8	0.8	0.8	1.0	1.1
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)