

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: P1337054

Luminaire Tested: P3A05R20B2750DE010 E3A301WMH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337054
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

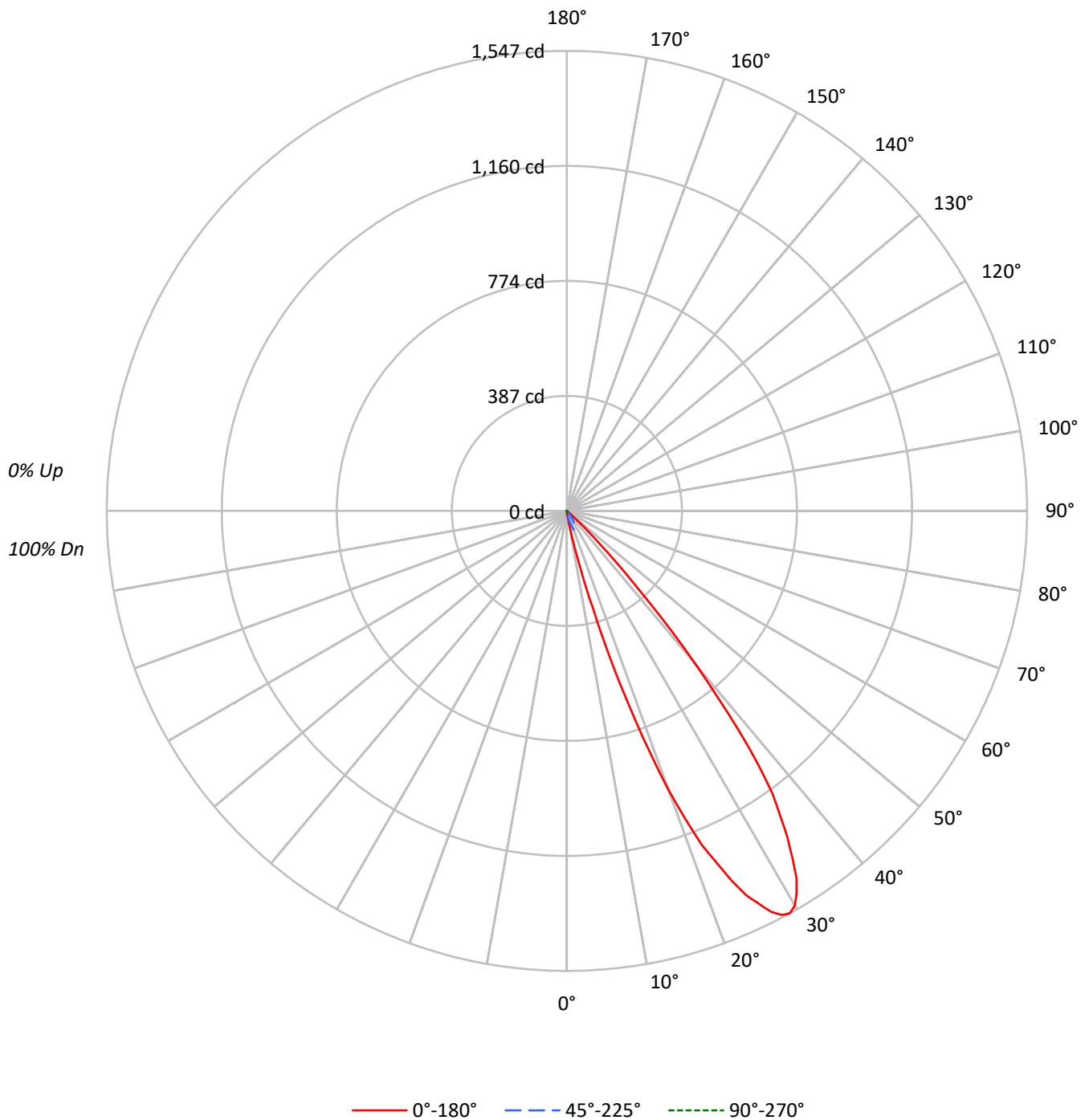
Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1337054

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1337054

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_3500K

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
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	76	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°	1645	1645	1645	1645	1645
5°	3764	2818	1563	947	814
10°	11890	4899	1269	534	401
15°	76958	9081	931	182	45
20°	232280	15518	653	0	0
25°	344947	15678	387	0	0
30°	387908	11926	152	0	0
35°	334696	7121	107	0	0
40°	192733	2433	0	0	0
45°	47013	961	62	0	62
50°	5629	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: 47323 cd/sqm

TEST NUMBER: P1337054

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	20.1	9.3
20°-30°	87.7	40.4
30°-40°	88.3	40.7
40°-50°	17.7	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°	108.8	50.1
0°-40°	197.0	90.8
0°-60°	215.6	99.4
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	17	13	7	4	4	3
15°	339	40	4	1	0	133
25°	1426	65	2	0	0	643
35°	1250	27	0	0	0	744
45°	152	3	0	0	0	165
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	

TEST NUMBER: P1337054

CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_3500K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	11.2	11.2	11.0	11.0	10.8	11.0	10.6	10.8	10.8	10.6	9.6
5°	17.1	17.5	17.3	17.3	17.1	17.3	16.9	16.5	16.1	16.1	12.8
7.5°	28.2	28.0	27.6	27.8	27.2	26.8	26.4	26.2	25.0	24.4	16.7
10°	53.4	54.5	53.5	53.4	49.8	49.6	47.2	43.9	40.9	39.4	22.0
12.5°	146.9	153.2	143.3	138.6	135.8	125.2	120.7	109.1	97.8	89.4	28.0
15°	339.0	354.6	334.7	336.1	319.5	289.2	262.6	239.8	212.8	185.6	40.0
17.5°	664.2	651.6	640.8	622.5	588.8	544.3	487.1	429.0	378.8	326.2	55.7
20°	995.4	984.2	959.5	919.6	876.7	810.7	742.6	655.4	570.9	491.8	66.5
21°	1109.4	1105.6	1065.3	1040.7	974.5	911.5	833.0	739.6	644.6	550.8	68.3
22°	1211.1	1188.7	1167.0	1130.6	1064.9	996.4	909.0	810.7	707.6	603.4	68.5
23°	1281.6	1271.4	1250.9	1209.8	1144.4	1063.9	971.8	869.0	760.3	640.6	67.9
24°	1359.6	1346.6	1316.7	1268.6	1202.7	1123.1	1018.0	916.0	797.9	671.9	66.3
25°	1425.7	1405.5	1370.0	1318.2	1246.2	1164.1	1058.4	946.4	824.1	693.0	64.8
26°	1468.7	1457.6	1412.2	1355.8	1278.7	1194.0	1086.1	969.6	841.0	702.6	62.2
27°	1513.3	1493.1	1448.4	1383.6	1299.9	1213.5	1101.9	980.8	846.9	703.0	59.1
28°	1538.9	1516.9	1466.3	1398.2	1313.7	1224.3	1110.9	984.4	845.8	696.9	55.3
29°	1547.0	1519.2	1469.8	1400.5	1317.1	1225.1	1109.6	979.2	835.3	682.0	51.0
30°	1532.0	1503.7	1456.8	1389.3	1306.4	1215.3	1096.8	962.3	816.8	660.5	47.1
31°	1499.4	1475.3	1430.1	1362.3	1282.8	1192.2	1067.8	934.5	785.3	631.8	42.5
32°	1456.3	1432.6	1388.1	1326.9	1246.0	1154.6	1028.3	891.2	748.3	588.8	38.0
33°	1391.5	1377.9	1337.9	1279.5	1198.5	1100.9	975.1	839.5	695.5	541.2	34.1
34°	1325.9	1308.8	1280.8	1216.9	1129.8	1032.4	905.8	768.0	631.2	487.8	30.3
35°	1250.3	1240.1	1196.2	1145.0	1057.6	958.0	832.2	698.5	556.2	428.4	26.6
36°	1177.1	1161.3	1111.3	1057.2	972.3	864.7	740.4	614.8	491.4	372.7	22.6
37°	1070.8	1046.8	1011.1	954.0	854.8	763.1	649.7	533.1	411.7	312.4	18.3
38°	945.8	934.5	885.1	827.6	745.5	658.5	546.3	447.5	339.6	260.9	14.0
39°	798.3	798.1	750.9	709.3	629.0	550.6	449.5	363.2	280.3	210.1	10.8
40°	673.3	650.1	620.9	568.8	507.1	440.6	352.0	284.3	217.5	169.3	8.5
42.5°	353.0	351.0	333.9	294.7	260.3	221.1	175.8	146.5	114.6	93.3	5.3
45°	151.6	152.6	140.8	134.9	121.5	105.1	88.8	74.0	63.4	51.4	3.1
47.5°	38.4	36.8	36.4	37.8	37.8	36.6	32.9	30.9	28.5	26.2	1.8
50°	16.5	16.1	15.7	15.7	14.8	14.2	13.2	12.0	11.0	9.8	0.8
52.5°	6.1	6.3	6.5	6.3	6.3	6.1	6.1	5.9	5.3	4.7	0.4
55°	2.0	2.0	2.0	2.2	2.2	2.4	2.4	2.4	2.4	2.2	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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CATALOG NUMBER: P3A05R20B2750DE010 E3A301WMH_3500K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	8.7	7.7	6.5	5.5	5.3	5.1
5°	9.6	7.1	5.3	4.3	3.9	3.7
7.5°	10.4	6.5	4.3	3.1	2.8	2.6
10°	10.8	5.7	3.5	2.4	1.8	1.8
12.5°	11.0	4.9	2.6	1.6	1.0	1.0
15°	10.8	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°	8.5	2.8	0.8	0.0	0.0	0.0
21°	8.1	2.4	0.6	0.0	0.0	0.0
22°	7.5	2.2	0.4	0.0	0.0	0.0
23°	6.9	2.0	0.4	0.0	0.0	0.0
24°	6.3	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°	2.8	0.6	0.0	0.0	0.0	0.0
32°	2.4	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)