

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: P1337031

Luminaire Tested: P3A05R20B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337031
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 E3A301GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

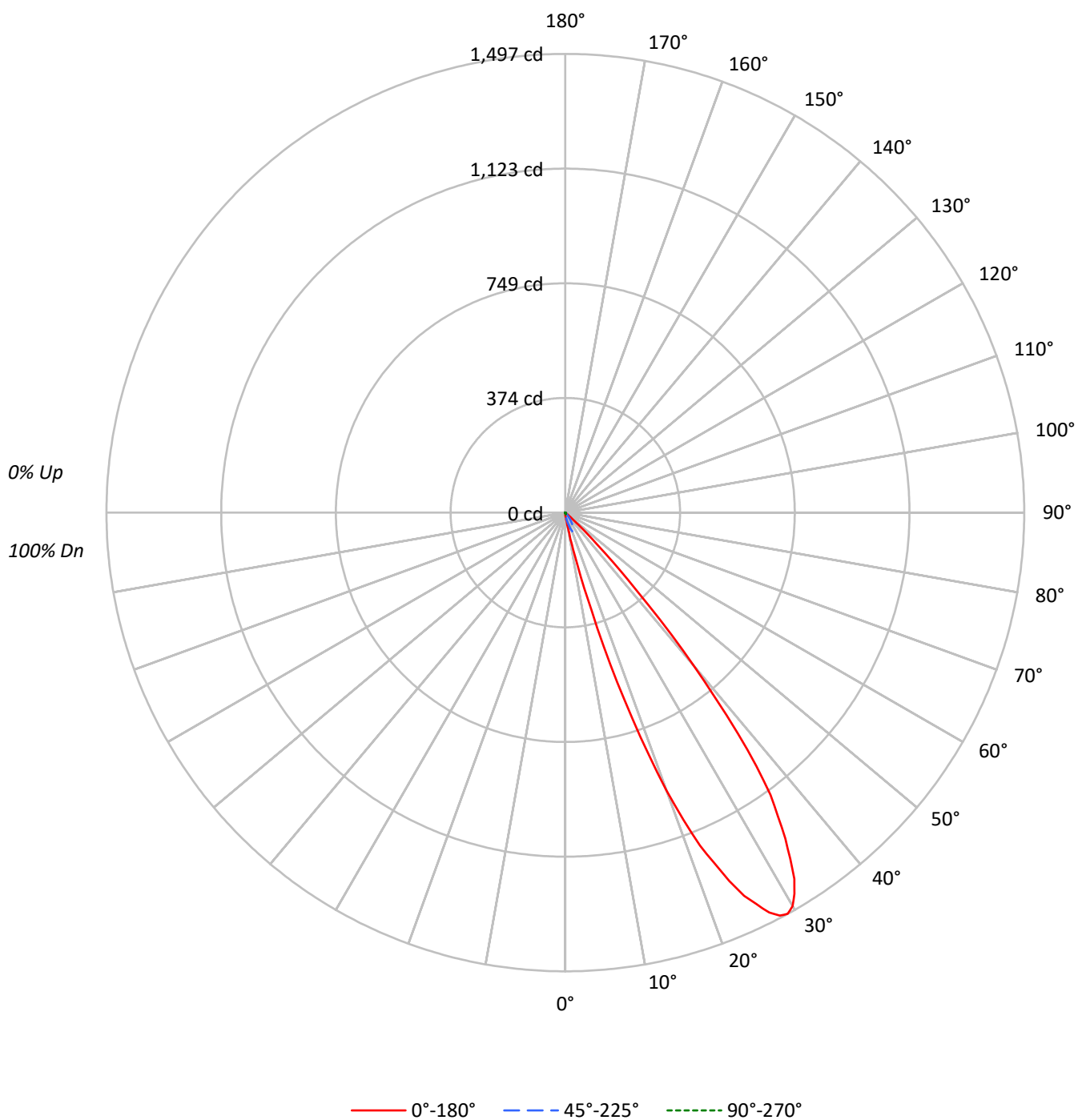
Lumens per Lamp: N/A
Luminaire Lumens: 210.1 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	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°	1579	1579	1579	1579	1579
5°	3654	2729	1519	924	792
10°	11489	4743	1225	512	379
15°	74484	8786	908	182	45
20°	224790	15028	630	0	0
25°	333818	15170	363	0	0
30°	375400	11521	152	0	0
35°	323908	6880	107	0	0
40°	186521	2347	0	0	0
45°	45493	930	62	0	62
50°	5458	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: 45803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	19.5	9.3
20°-30°	84.8	40.4
30°-40°	85.4	40.7
40°-50°	17.1	8.2
50°-60°	0.9	0.4
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°	105.3	50.1
0°-40°	190.7	90.8
0°-60°	208.7	99.3
0°-90°	210.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	17	12	7	4	4	3
15°	328	39	4	1	0	129
25°	1380	63	2	0	0	622
35°	1210	26	0	0	0	720
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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	10.9	10.9	10.7	10.7	10.5	10.7	10.3	10.5	10.5	10.3	9.3
5°	16.6	17.0	16.8	16.8	16.6	16.8	16.4	16.0	15.6	15.6	12.4
7.5°	27.2	27.1	26.7	26.9	26.3	25.9	25.5	25.3	24.2	23.6	16.2
10°	51.6	52.8	51.8	51.6	48.2	48.0	45.7	42.5	39.6	38.1	21.3
12.5°	142.1	148.2	138.7	134.1	131.5	121.2	116.8	105.5	94.7	86.5	27.1
15°	328.1	343.1	323.9	325.2	309.2	279.9	254.2	232.1	206.0	179.7	38.7
17.5°	642.8	630.6	620.1	602.4	569.8	526.8	471.3	415.1	366.6	315.7	53.9
20°	963.3	952.4	928.6	889.9	848.4	784.6	718.6	634.2	552.5	475.9	64.4
21°	1073.6	1070.0	1030.9	1007.1	943.1	882.1	806.1	715.8	623.8	533.1	66.1
22°	1172.1	1150.4	1129.4	1094.2	1030.5	964.2	879.6	784.6	684.7	583.9	66.3
23°	1240.3	1230.4	1210.6	1170.7	1107.5	1029.6	940.4	841.0	735.8	620.0	65.7
24°	1315.7	1303.2	1274.2	1227.7	1163.9	1086.9	985.2	886.5	772.2	650.2	64.2
25°	1379.7	1360.1	1325.8	1275.7	1206.0	1126.5	1024.2	915.8	797.5	670.6	62.7
26°	1421.3	1410.6	1366.6	1312.1	1237.4	1155.5	1051.1	938.3	813.9	680.0	60.2
27°	1464.5	1444.9	1401.7	1339.0	1258.0	1174.4	1066.3	949.2	819.6	680.3	57.2
28°	1489.3	1468.0	1419.0	1353.1	1271.3	1184.8	1075.1	952.6	818.5	674.4	53.5
29°	1497.1	1470.2	1422.4	1355.4	1274.6	1185.6	1073.8	947.6	808.4	660.0	49.3
30°	1482.6	1455.2	1409.8	1344.5	1264.3	1176.1	1061.4	931.3	790.5	639.2	45.5
31°	1451.0	1427.8	1383.9	1318.4	1241.4	1153.8	1033.4	904.4	760.0	611.4	41.2
32°	1409.3	1386.4	1343.4	1284.1	1205.8	1117.4	995.1	862.5	724.2	569.8	36.8
33°	1346.6	1333.4	1294.8	1238.2	1159.9	1065.4	943.6	812.4	673.1	523.7	33.0
34°	1283.2	1266.6	1239.5	1177.6	1093.4	999.1	876.6	743.2	610.8	472.1	29.3
35°	1210.0	1200.1	1157.6	1108.1	1023.5	927.1	805.3	676.0	538.2	414.6	25.7
36°	1139.1	1123.9	1075.5	1023.1	941.0	836.8	716.5	595.0	475.5	360.7	21.9
37°	1036.2	1013.0	978.5	923.3	827.2	738.5	628.7	515.9	398.4	302.4	17.7
38°	915.3	904.4	856.6	800.9	721.5	637.3	528.7	433.1	328.6	252.4	13.5
39°	772.6	772.4	726.6	686.4	608.7	532.9	435.0	351.5	271.3	203.3	10.5
40°	651.6	629.1	600.9	550.4	490.8	426.4	340.6	275.1	210.5	163.8	8.2
42.5°	341.6	339.7	323.1	285.2	251.9	214.0	170.1	141.7	110.9	90.3	5.1
45°	146.7	147.7	136.2	130.5	117.6	101.7	85.9	71.6	61.3	49.7	3.0
47.5°	37.2	35.6	35.2	36.6	36.6	35.4	31.8	29.9	27.6	25.3	1.7
50°	16.0	15.6	15.2	15.2	14.3	13.7	12.8	11.6	10.7	9.5	0.8
52.5°	5.9	6.1	6.3	6.1	6.1	5.9	5.9	5.7	5.1	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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CATALOG NUMBER: P3A05R20B2750DE010 E3A301GPH_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	8.4	7.4	6.3	5.3	5.1	5.0
5°	9.3	6.9	5.1	4.2	3.8	3.6
7.5°	10.1	6.3	4.2	3.0	2.7	2.5
10°	10.5	5.5	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°	9.5	3.2	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°	7.2	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°	5.3	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°	3.2	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)