

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: P1344122

Luminaire Tested: P3A13R20B2750DE010 E3A301GPH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344122
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: P3A13R20B2750DE010 E3A301GPH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

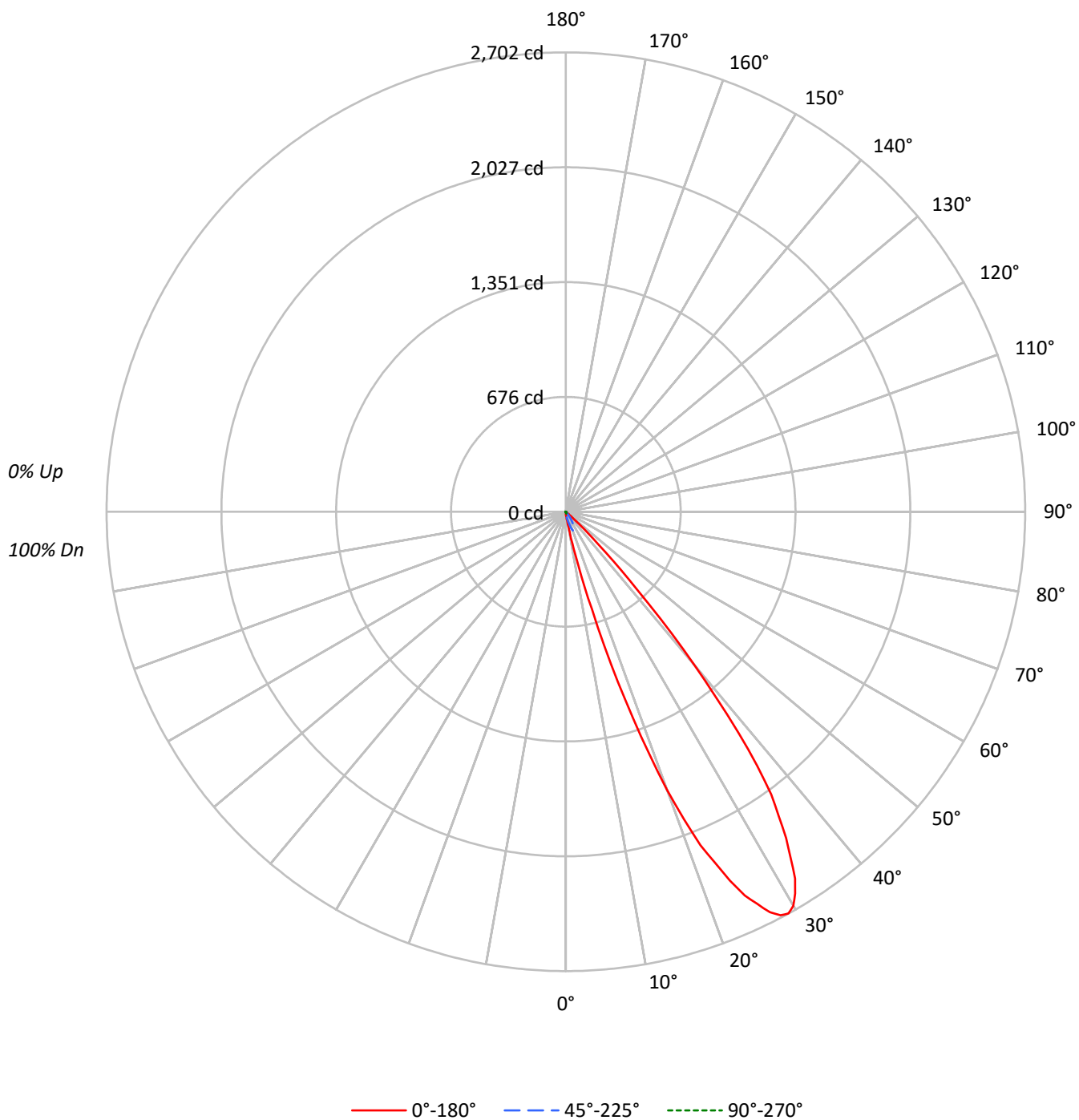
Lumens per Lamp: N/A
Luminaire Lumens: 378.9 lumens
Efficiency: N/A
Efficacy: 19.8 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	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°	2873	2873	2873	2873	2873
5°	6582	4909	2729	1673	1431
10°	20752	8573	2227	913	690
15°	134416	15846	1635	318	68
20°	405685	27116	1120	0	0
25°	602478	27364	677	0	0
30°	677522	20813	253	0	0
35°	584560	12421	187	0	0
40°	336602	4237	0	0	0
45°	82117	1706	93	0	93
50°	9859	478	102	102	341
55°	1300	0	268	268	535
60°	132	0	439	439	746
65°	156	156	726	726	1090
70°	192	192	898	898	1090
75°	0	254	1186	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 82644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	35.1	9.3
20°-30°	153.1	40.4
30°-40°	154.2	40.7
40°-50°	30.9	8.2
50°-60°	1.5	0.4
60°-70°	1.0	0.3
70°-80°	0.9	0.2
80°-90°	0.4	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°	190.0	50.1
0°-40°	344.1	90.8
0°-60°	376.6	99.4
0°-90°	378.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	30	22	12	8	6	5
15°	592	70	7	1	0	232
25°	2490	113	3	0	0	1123
35°	2184	46	1	0	0	1299
45°	265	6	0	0	0	288
55°	3	0	1	1	1	6
65°	0	0	1	1	2	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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	19.6	19.6	19.3	19.3	18.9	19.3	18.6	18.9	18.9	18.6	16.8
5°	29.9	30.6	30.3	30.3	29.9	30.3	29.6	28.9	28.2	28.2	22.3
7.5°	49.2	48.8	48.1	48.5	47.5	46.8	46.1	45.7	43.7	42.6	29.2
10°	93.2	95.2	93.5	93.2	87.0	86.6	82.5	76.7	71.5	68.8	38.5
12.5°	256.5	267.5	250.3	242.1	237.3	218.7	210.8	190.5	170.9	156.1	48.8
15°	592.1	619.3	584.5	586.9	558.1	505.1	458.7	418.8	371.7	324.2	69.8
17.5°	1160.1	1138.1	1119.2	1087.2	1028.4	950.7	850.7	749.2	661.6	569.7	97.3
20°	1738.5	1718.9	1675.9	1606.1	1531.1	1415.9	1297.0	1144.7	997.1	858.9	116.2
21°	1937.6	1931.0	1860.5	1817.6	1702.0	1592.0	1454.8	1291.8	1125.7	962.1	119.3
22°	2115.3	2076.1	2038.3	1974.7	1859.8	1740.2	1587.5	1415.9	1235.8	1053.9	119.7
23°	2238.4	2220.5	2184.8	2112.9	1998.8	1858.1	1697.2	1517.7	1327.9	1118.9	118.6
24°	2374.6	2351.9	2299.6	2215.7	2100.5	1961.6	1778.0	1599.9	1393.6	1173.5	115.9
25°	2490.1	2454.7	2392.8	2302.4	2176.5	2033.1	1848.5	1652.9	1439.3	1210.3	113.1
26°	2565.1	2545.8	2466.4	2368.0	2233.3	2085.4	1897.0	1693.4	1468.9	1227.2	108.7
27°	2643.1	2607.7	2529.7	2416.5	2270.4	2119.4	1924.5	1713.0	1479.2	1227.9	103.2
28°	2687.8	2649.3	2560.9	2442.0	2294.5	2138.4	1940.3	1719.2	1477.1	1217.2	96.6
29°	2701.9	2653.4	2567.1	2446.1	2300.3	2139.7	1937.9	1710.3	1458.9	1191.1	89.1
30°	2675.8	2626.3	2544.4	2426.5	2281.7	2122.5	1915.5	1680.7	1426.6	1153.6	82.2
31°	2618.7	2576.8	2497.7	2379.4	2240.5	2082.3	1865.0	1632.2	1371.6	1103.4	74.3
32°	2543.4	2502.1	2424.4	2317.5	2176.2	2016.6	1795.9	1556.6	1306.9	1028.4	66.4
33°	2430.3	2406.6	2336.8	2234.6	2093.3	1922.8	1703.1	1466.1	1214.8	945.2	59.5
34°	2315.8	2285.9	2237.0	2125.3	1973.3	1803.1	1582.0	1341.3	1102.4	852.0	53.0
35°	2183.7	2165.9	2089.2	1999.8	1847.1	1673.1	1453.4	1220.0	971.4	748.2	46.4
36°	2055.8	2028.3	1941.0	1846.4	1698.2	1510.2	1293.2	1073.8	858.2	650.9	39.5
37°	1870.2	1828.2	1766.0	1666.3	1493.0	1332.7	1134.7	931.1	719.0	545.7	32.0
38°	1651.8	1632.2	1545.9	1445.5	1302.1	1150.2	954.2	781.6	593.1	455.6	24.4
39°	1394.3	1393.9	1311.4	1238.9	1098.6	961.7	785.0	634.4	489.6	366.9	18.9
40°	1175.9	1135.4	1084.5	993.4	885.7	769.5	614.8	496.5	379.9	295.7	14.8
42.5°	616.5	613.1	583.2	514.7	454.6	386.1	307.1	255.8	200.1	163.0	9.3
45°	264.8	266.5	245.8	235.5	212.2	183.6	155.1	129.3	110.7	89.7	5.5
47.5°	67.0	64.3	63.6	66.0	66.0	64.0	57.4	54.0	49.9	45.7	3.1
50°	28.9	28.2	27.5	27.5	25.8	24.8	23.0	21.0	19.3	17.2	1.4
52.5°	10.7	11.0	11.3	11.0	11.0	10.7	10.7	10.3	9.3	8.3	0.7
55°	3.4	3.4	3.4	3.8	3.8	4.1	4.1	4.1	4.1	3.8	0.0
57.5°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.0	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	15.1	13.4	11.3	9.6	9.3	8.9
5°	16.8	12.4	9.3	7.6	6.9	6.5
7.5°	18.2	11.3	7.6	5.5	4.8	4.5
10°	18.9	10.0	6.2	4.1	3.1	3.1
12.5°	19.3	8.6	4.5	2.8	1.7	1.7
15°	18.9	7.2	3.4	1.4	0.3	0.3
17.5°	17.2	5.8	2.1	0.3	0.0	0.0
20°	14.8	4.8	1.4	0.0	0.0	0.0
21°	14.1	4.1	1.0	0.0	0.0	0.0
22°	13.1	3.8	0.7	0.0	0.0	0.0
23°	12.0	3.4	0.7	0.0	0.0	0.0
24°	11.0	3.1	0.3	0.0	0.0	0.0
25°	10.3	2.8	0.3	0.0	0.0	0.0
26°	9.6	2.4	0.3	0.0	0.0	0.0
27°	8.6	2.1	0.0	0.0	0.0	0.0
28°	7.9	1.7	0.0	0.0	0.0	0.0
29°	6.9	1.4	0.0	0.0	0.0	0.0
30°	5.8	1.0	0.0	0.0	0.0	0.0
31°	4.8	1.0	0.0	0.0	0.0	0.0
32°	4.1	0.7	0.0	0.0	0.0	0.0
33°	3.4	0.7	0.0	0.0	0.0	0.0
34°	3.1	0.7	0.0	0.0	0.0	0.0
35°	2.8	0.7	0.0	0.0	0.0	0.0
36°	2.1	0.3	0.0	0.0	0.0	0.0
37°	1.7	0.3	0.0	0.0	0.0	0.0
38°	1.4	0.3	0.0	0.0	0.0	0.0
39°	1.0	0.0	0.0	0.0	0.0	0.0
40°	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.3	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.3	0.0	0.0	0.3	0.3
47.5°	0.0	0.3	0.0	0.0	0.3	0.7
50°	0.0	0.3	0.3	0.3	0.7	1.0
52.5°	0.0	0.7	0.3	0.3	1.0	1.0
55°	0.3	0.7	0.3	0.7	1.4	1.4
57.5°	0.3	0.7	0.7	1.0	1.4	1.7
60°	0.7	1.0	1.0	1.0	1.7	1.7
62.5°	0.7	1.0	1.4	1.4	1.7	2.1
65°	0.7	1.4	1.4	1.4	1.7	2.1
67.5°	1.0	1.4	1.4	1.4	1.7	2.1
70°	1.0	1.4	1.4	1.4	1.7	1.7
72.5°	1.0	1.4	1.0	1.4	1.4	1.7
75°	1.0	1.4	1.0	1.0	1.4	1.4
77.5°	0.7	1.0	1.0	0.7	1.0	1.0
80°	0.7	1.0	0.7	0.7	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.0	0.7	0.3	0.7	0.7
85°	0.7	1.0	0.7	0.3	0.3	0.3
87.5°	0.7	1.0	0.7	0.3	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)