

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: P1344123

Luminaire Tested: P3A13R20B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344123
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

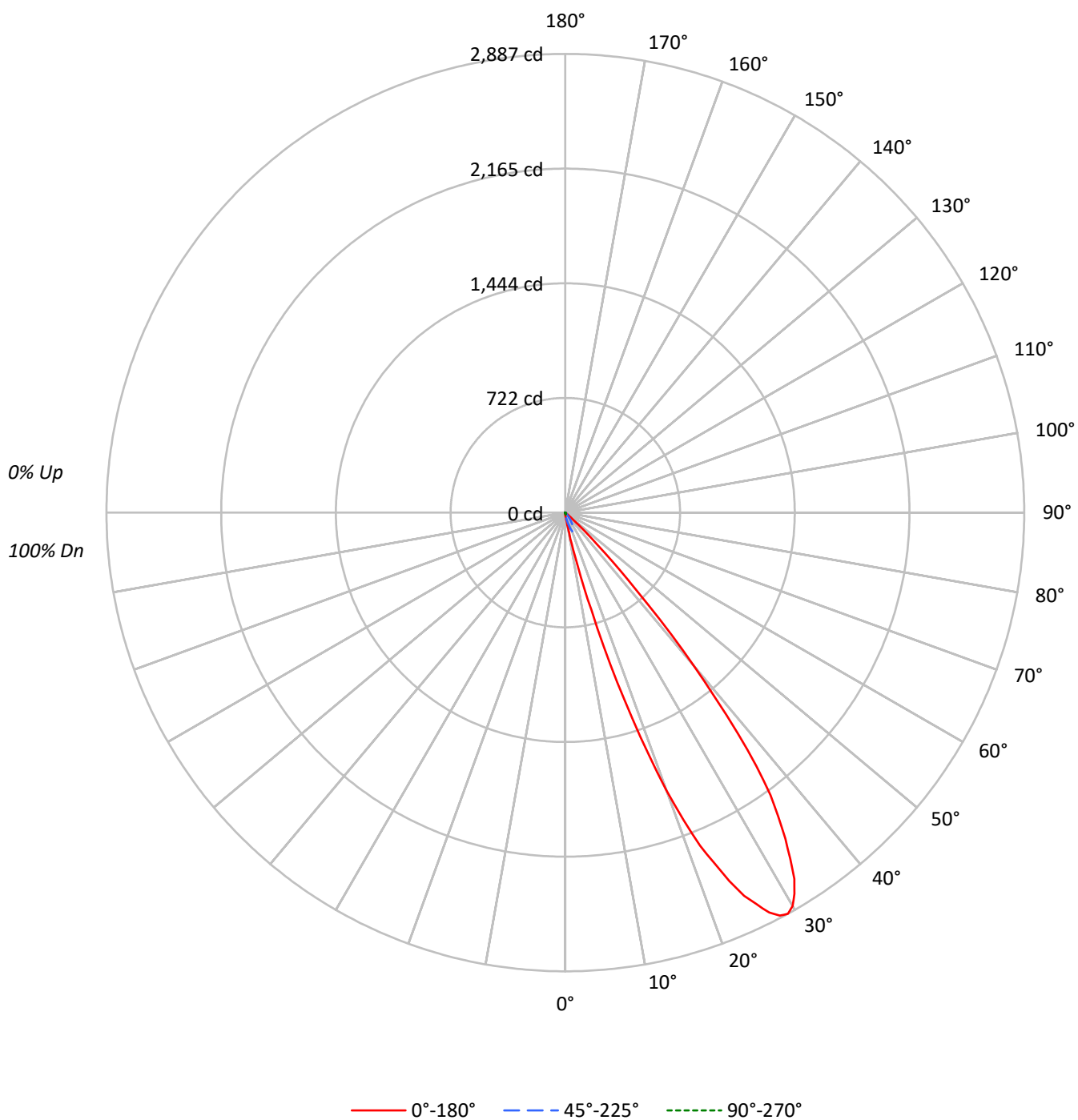
Lumens per Lamp: N/A
Luminaire Lumens: 405.0 lumens
Efficiency: N/A
Efficacy: 21.2 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3070	3070	3070	3070	3070
5°	7044	5261	2906	1783	1541
10°	22177	9174	2382	980	735
15°	143633	16935	1748	341	91
20°	433501	28983	1190	0	0
25°	643803	29252	702	0	0
30°	723985	22231	279	0	0
35°	624687	13278	187	0	0
40°	359702	4523	0	0	0
45°	87730	1830	124	0	124
50°	10541	512	136	136	375
55°	1415	0	268	268	573
60°	175	0	482	482	789
65°	208	208	778	778	1141
70°	256	256	962	962	1154
75°	0	339	1271	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 88319 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.5
10°-20°	37.5	9.3
20°-30°	163.6	40.4
30°-40°	164.7	40.7
40°-50°	33.1	8.2
50°-60°	1.7	0.4
60°-70°	1.1	0.3
70°-80°	1.0	0.2
80°-90°	0.5	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°	203.0	50.1
0°-40°	367.7	90.8
0°-60°	402.5	99.4
0°-90°	405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	32	24	13	8	7	5
15°	633	75	8	2	0	248
25°	2661	121	3	0	0	1200
35°	2334	50	1	0	0	1388
45°	283	6	0	0	0	308
55°	4	0	1	1	2	7
65°	0	0	2	2	2	0
75°	0	0	2	1	2	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°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	20.9	20.9	20.6	20.6	20.2	20.6	19.8	20.2	20.2	19.8	18.0
5°	32.0	32.7	32.3	32.3	32.0	32.3	31.6	30.9	30.1	30.1	23.9
7.5°	52.5	52.2	51.4	51.8	50.7	50.0	49.2	48.9	46.7	45.6	31.2
10°	99.6	101.8	99.9	99.6	93.0	92.6	88.2	81.9	76.4	73.5	41.2
12.5°	274.1	285.9	267.5	258.7	253.5	233.7	225.2	203.6	182.6	166.8	52.2
15°	632.7	661.7	624.6	627.2	596.3	539.8	490.2	447.5	397.2	346.5	74.6
17.5°	1239.7	1216.2	1196.0	1161.8	1099.0	1015.9	909.0	800.6	706.9	608.8	104.0
20°	1857.7	1836.8	1790.9	1716.3	1636.2	1513.1	1385.9	1223.2	1065.5	917.8	124.2
21°	2070.5	2063.5	1988.2	1942.2	1818.8	1701.2	1554.6	1380.4	1203.0	1028.1	127.5
22°	2260.4	2218.5	2178.1	2110.2	1987.4	1859.6	1696.4	1513.1	1320.5	1126.2	127.9
23°	2392.0	2372.9	2334.7	2257.9	2135.9	1985.6	1813.6	1621.8	1419.0	1195.6	126.8
24°	2537.5	2513.2	2457.4	2367.7	2244.6	2096.2	1900.0	1709.7	1489.2	1254.0	123.8
25°	2660.9	2623.1	2557.0	2460.3	2325.8	2172.6	1975.3	1766.2	1538.1	1293.4	120.9
26°	2741.0	2720.5	2635.6	2530.5	2386.5	2228.5	2027.1	1809.6	1569.7	1311.4	116.1
27°	2824.4	2786.6	2703.2	2582.3	2426.1	2264.8	2056.5	1830.5	1580.7	1312.1	110.2
28°	2872.2	2831.1	2736.6	2609.5	2451.9	2285.1	2073.4	1837.2	1578.5	1300.7	103.2
29°	2887.3	2835.5	2743.2	2613.9	2458.1	2286.5	2070.8	1827.6	1559.0	1272.8	95.2
30°	2859.3	2806.4	2719.0	2593.0	2438.3	2268.2	2047.0	1796.0	1524.5	1232.7	87.8
31°	2798.4	2753.5	2669.0	2542.6	2394.2	2225.2	1992.9	1744.2	1465.7	1179.1	79.4
32°	2717.9	2673.8	2590.8	2476.5	2325.5	2155.0	1919.1	1663.4	1396.6	1099.0	70.9
33°	2597.0	2571.6	2497.1	2387.9	2236.9	2054.7	1819.9	1566.7	1298.1	1010.1	63.6
34°	2474.6	2442.7	2390.5	2271.1	2108.7	1926.8	1690.5	1433.3	1178.0	910.5	56.6
35°	2333.6	2314.4	2232.5	2137.0	1973.8	1787.9	1553.1	1303.6	1038.0	799.5	49.6
36°	2196.9	2167.5	2074.1	1973.1	1814.7	1613.8	1381.9	1147.5	917.1	695.5	42.3
37°	1998.5	1953.6	1887.1	1780.6	1595.4	1424.2	1212.5	995.0	768.3	583.1	34.2
38°	1765.1	1744.2	1652.0	1544.7	1391.5	1229.1	1019.6	835.2	633.8	486.8	26.1
39°	1489.9	1489.6	1401.4	1323.9	1173.9	1027.7	838.8	677.9	523.2	392.0	20.2
40°	1256.6	1213.3	1158.9	1061.5	946.5	822.3	657.0	530.6	406.0	316.0	15.8
42.5°	658.8	655.1	623.2	550.0	485.7	412.6	328.1	273.4	213.8	174.2	9.9
45°	282.9	284.8	262.7	251.7	226.7	196.2	165.7	138.2	118.3	95.9	5.9
47.5°	71.6	68.7	68.0	70.5	70.5	68.3	61.4	57.7	53.3	48.9	3.3
50°	30.9	30.1	29.4	29.4	27.6	26.5	24.6	22.4	20.6	18.4	1.5
52.5°	11.4	11.8	12.1	11.8	11.8	11.4	11.4	11.0	9.9	8.8	0.7
55°	3.7	3.7	3.7	4.0	4.0	4.4	4.4	4.4	4.4	4.0	0.0
57.5°	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.0	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	16.2	14.3	12.1	10.3	9.9	9.6
5°	18.0	13.2	9.9	8.1	7.3	7.0
7.5°	19.5	12.1	8.1	5.9	5.1	4.8
10°	20.2	10.7	6.6	4.4	3.3	3.3
12.5°	20.6	9.2	4.8	2.9	1.8	1.8
15°	20.2	7.7	3.7	1.5	0.4	0.4
17.5°	18.4	6.2	2.2	0.4	0.0	0.0
20°	15.8	5.1	1.5	0.0	0.0	0.0
21°	15.1	4.4	1.1	0.0	0.0	0.0
22°	14.0	4.0	0.7	0.0	0.0	0.0
23°	12.9	3.7	0.7	0.0	0.0	0.0
24°	11.8	3.3	0.4	0.0	0.0	0.0
25°	11.0	2.9	0.4	0.0	0.0	0.0
26°	10.3	2.6	0.4	0.0	0.0	0.0
27°	9.2	2.2	0.0	0.0	0.0	0.0
28°	8.5	1.8	0.0	0.0	0.0	0.0
29°	7.3	1.5	0.0	0.0	0.0	0.0
30°	6.2	1.1	0.0	0.0	0.0	0.0
31°	5.1	1.1	0.0	0.0	0.0	0.0
32°	4.4	0.7	0.0	0.0	0.0	0.0
33°	3.7	0.7	0.0	0.0	0.0	0.0
34°	3.3	0.7	0.0	0.0	0.0	0.0
35°	2.9	0.7	0.0	0.0	0.0	0.0
36°	2.2	0.4	0.0	0.0	0.0	0.0
37°	1.8	0.4	0.0	0.0	0.0	0.0
38°	1.5	0.4	0.0	0.0	0.0	0.0
39°	1.1	0.0	0.0	0.0	0.0	0.0
40°	1.1	0.0	0.0	0.0	0.0	0.0
42.5°	0.4	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.4	0.0	0.0	0.4	0.4
47.5°	0.0	0.4	0.0	0.0	0.4	0.7
50°	0.0	0.4	0.4	0.4	0.7	1.1
52.5°	0.0	0.7	0.4	0.4	1.1	1.1
55°	0.4	0.7	0.4	0.7	1.5	1.5
57.5°	0.4	0.7	0.7	1.1	1.5	1.8
60°	0.7	1.1	1.1	1.1	1.8	1.8
62.5°	0.7	1.1	1.5	1.5	1.8	2.2
65°	0.7	1.5	1.5	1.5	1.8	2.2
67.5°	1.1	1.5	1.5	1.5	1.8	2.2
70°	1.1	1.5	1.5	1.5	1.8	1.8
72.5°	1.1	1.5	1.1	1.5	1.5	1.8
75°	1.1	1.5	1.1	1.1	1.5	1.5
77.5°	0.7	1.1	1.1	0.7	1.1	1.1
80°	0.7	1.1	0.7	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.1	0.7	0.4	0.7	0.7
85°	0.7	1.1	0.7	0.4	0.4	0.4
87.5°	0.7	1.1	0.7	0.4	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)