

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: P1344119

Luminaire Tested: P3A13R20B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344119
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

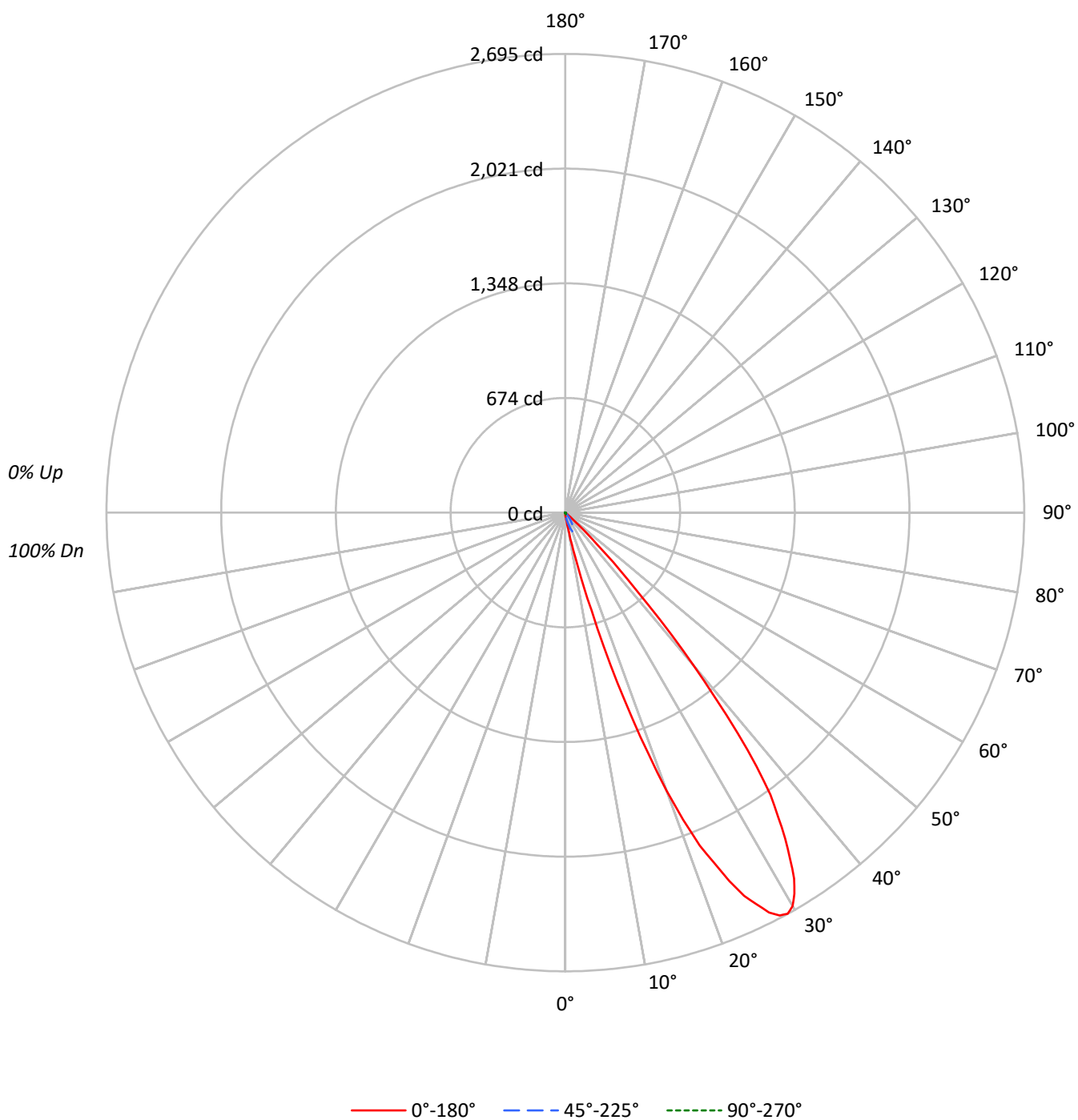
Lumens per Lamp: N/A
Luminaire Lumens: 377.9 lumens
Efficiency: N/A
Efficacy: 19.8 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2851	2851	2851	2851	2851
5°	6560	4909	2707	1651	1431
10°	20685	8550	2204	913	690
15°	134053	15800	1635	318	68
20°	404612	27046	1120	0	0
25°	600881	27292	653	0	0
30°	675724	20763	253	0	0
35°	583034	12394	187	0	0
40°	335715	4208	0	0	0
45°	81900	1706	93	0	93
50°	9825	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: 82427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	35.0	9.3
20°-30°	152.7	40.4
30°-40°	153.8	40.7
40°-50°	30.8	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°	189.5	50.1
0°-40°	343.2	90.8
0°-60°	375.6	99.4
0°-90°	377.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	377.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	30	22	12	8	6	5
15°	590	70	7	1	0	231
25°	2484	113	3	0	0	1120
35°	2178	46	1	0	0	1296
45°	264	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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	19.5	19.5	19.2	19.2	18.9	19.2	18.5	18.9	18.9	18.5	16.8
5°	29.8	30.5	30.2	30.2	29.8	30.2	29.5	28.8	28.1	28.1	22.3
7.5°	49.0	48.7	48.0	48.4	47.3	46.6	46.0	45.6	43.6	42.5	29.1
10°	92.9	95.0	93.3	92.9	86.8	86.4	82.3	76.5	71.3	68.6	38.4
12.5°	255.8	266.8	249.7	241.4	236.6	218.1	210.2	190.0	170.4	155.7	48.7
15°	590.5	617.6	583.0	585.4	556.6	503.8	457.5	417.7	370.7	323.4	69.6
17.5°	1157.1	1135.1	1116.3	1084.4	1025.7	948.2	848.4	747.3	659.8	568.2	97.1
20°	1733.9	1714.3	1671.5	1601.9	1527.1	1412.2	1293.6	1141.6	994.5	856.7	115.9
21°	1932.4	1925.9	1855.6	1812.8	1697.5	1587.8	1451.0	1288.4	1122.8	959.5	119.0
22°	2109.7	2070.6	2032.9	1969.5	1854.9	1735.6	1583.3	1412.2	1232.5	1051.1	119.3
23°	2232.5	2214.7	2179.0	2107.3	1993.5	1853.2	1692.7	1513.7	1324.4	1115.9	118.3
24°	2368.3	2345.7	2293.6	2209.9	2095.0	1956.4	1773.3	1595.7	1389.9	1170.4	115.6
25°	2483.5	2448.2	2386.5	2296.3	2170.8	2027.8	1843.6	1648.5	1435.5	1207.1	112.8
26°	2558.3	2539.1	2459.9	2361.8	2227.4	2079.9	1892.0	1689.0	1465.0	1223.9	108.4
27°	2636.1	2600.8	2523.0	2410.2	2264.4	2113.9	1919.4	1708.5	1475.3	1224.6	102.9
28°	2680.7	2642.3	2554.2	2435.5	2288.4	2132.7	1935.2	1714.7	1473.3	1214.0	96.4
29°	2694.8	2646.4	2560.4	2439.6	2294.2	2134.1	1932.8	1705.8	1455.1	1187.9	88.8
30°	2668.7	2619.3	2537.7	2420.1	2275.7	2116.9	1910.5	1676.3	1422.8	1150.5	82.0
31°	2611.8	2570.0	2491.1	2373.1	2234.6	2076.8	1860.1	1627.9	1368.0	1100.5	74.1
32°	2536.7	2495.5	2418.0	2311.4	2170.4	2011.3	1791.2	1552.5	1303.5	1025.7	66.2
33°	2423.9	2400.2	2330.6	2228.7	2087.8	1917.7	1698.6	1462.3	1211.6	942.7	59.3
34°	2309.7	2279.8	2231.1	2119.7	1968.1	1798.4	1577.8	1337.8	1099.5	849.8	52.8
35°	2178.0	2160.2	2083.7	1994.5	1842.2	1668.7	1449.6	1216.7	968.8	746.2	46.3
36°	2050.4	2023.0	1935.9	1841.6	1693.8	1506.2	1289.8	1071.0	856.0	649.2	39.4
37°	1865.2	1823.4	1761.3	1661.9	1489.0	1329.2	1131.7	928.7	717.1	544.2	31.9
38°	1647.5	1627.9	1541.8	1441.7	1298.7	1147.1	951.6	779.5	591.6	454.4	24.3
39°	1390.6	1390.3	1308.0	1235.6	1095.7	959.2	782.9	632.7	488.3	365.9	18.9
40°	1172.8	1132.4	1081.6	990.7	883.4	767.5	613.2	495.2	378.9	294.9	14.7
42.5°	614.9	611.5	581.6	513.4	453.4	385.1	306.2	255.1	199.6	162.6	9.3
45°	264.1	265.8	245.2	234.9	211.6	183.1	154.7	128.9	110.4	89.5	5.5
47.5°	66.9	64.1	63.4	65.8	65.8	63.8	57.3	53.8	49.7	45.6	3.1
50°	28.8	28.1	27.4	27.4	25.7	24.7	23.0	20.9	19.2	17.1	1.4
52.5°	10.6	11.0	11.3	11.0	11.0	10.6	10.6	10.3	9.3	8.2	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°	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	15.1	13.4	11.3	9.6	9.3	8.9
5°	16.8	12.3	9.3	7.5	6.9	6.5
7.5°	18.2	11.3	7.5	5.5	4.8	4.5
10°	18.9	9.9	6.2	4.1	3.1	3.1
12.5°	19.2	8.6	4.5	2.7	1.7	1.7
15°	18.9	7.2	3.4	1.4	0.3	0.3
17.5°	17.1	5.8	2.1	0.3	0.0	0.0
20°	14.7	4.8	1.4	0.0	0.0	0.0
21°	14.1	4.1	1.0	0.0	0.0	0.0
22°	13.0	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	2.7	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°	2.7	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)