

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: P1344619

Luminaire Tested: P3A13R25B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25B2750DE010 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

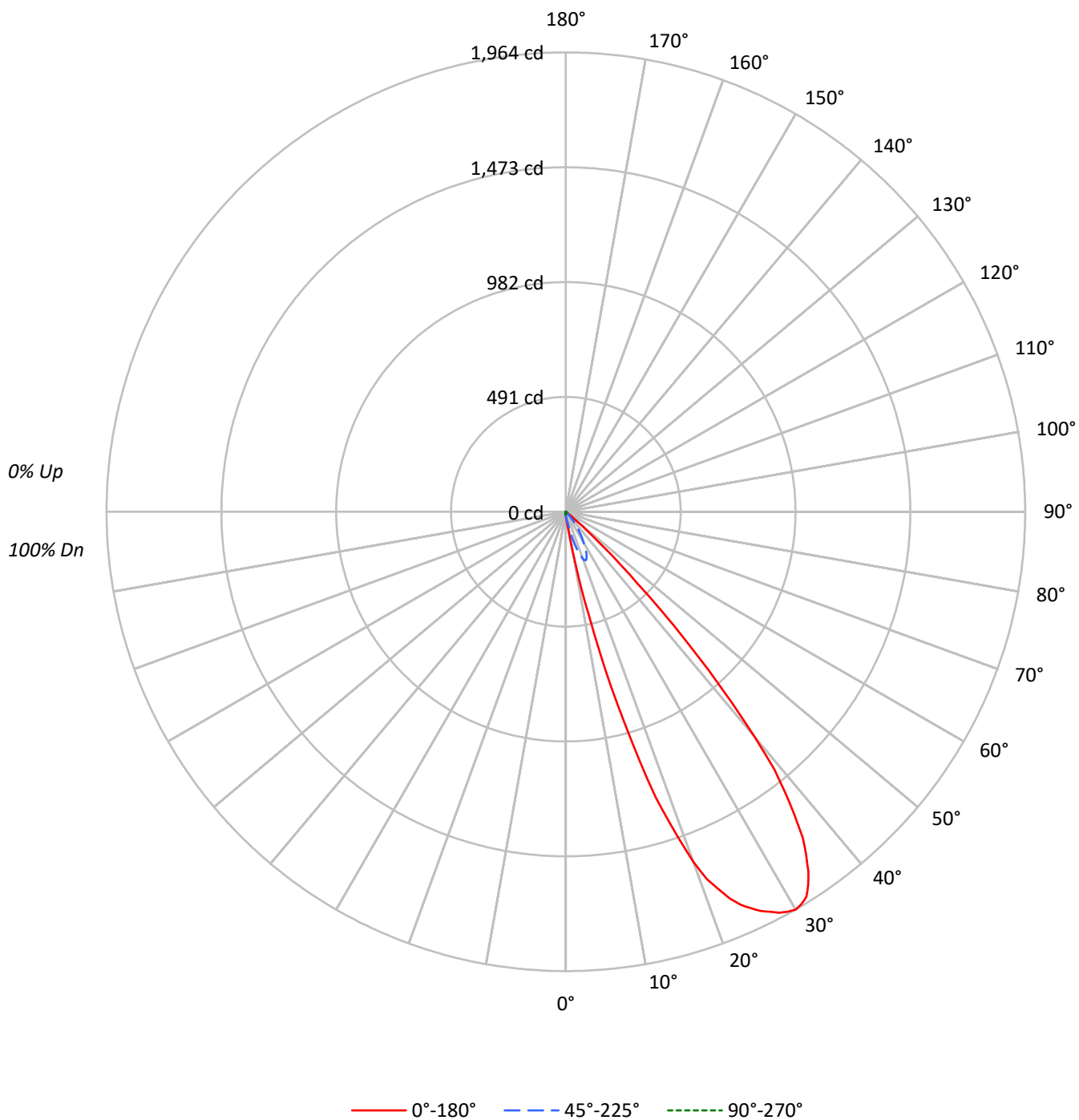
Lumens per Lamp: N/A
Luminaire Lumens: 393.0 lumens
Efficiency: N/A
Efficacy: 20.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	42	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°	3706	3706	3706	3706	3706
5°	9289	6868	3478	1783	1365
10°	40569	11668	2850	824	579
15°	192964	31464	1998	341	250
20°	371429	50404	1283	93	93
25°	452373	50834	702	0	0
30°	497368	38892	279	0	0
35°	479303	24735	107	0	0
40°	358128	10706	0	0	115
45°	132572	2853	124	124	341
50°	15624	375	239	239	512
55°	1529	0	268	421	688
60°	175	0	482	658	789
65°	208	208	778	934	1141
70°	256	256	962	962	1410
75°	339	339	932	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	45.8	11.7
20°-30°	143.8	36.6
30°-40°	151.4	38.5
40°-50°	44.5	11.3
50°-60°	2.4	0.6
60°-70°	1.2	0.3
70°-80°	1.0	0.3
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°	192.1	48.9
0°-40°	343.5	87.4
0°-60°	390.3	99.3
0°-90°	393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	42	31	16	8	6	8
15°	850	139	9	2	1	268
25°	1870	210	3	0	0	858
35°	1790	92	0	0	0	1080
45°	428	9	0	0	1	389
55°	4	0	1	1	2	10
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	26.0	26.4	25.3	26.0	25.3	24.9	24.6	22.7	19.8	16.9	13.9
5°	42.2	42.2	40.3	40.0	39.2	37.8	36.3	31.2	22.4	15.8	11.0
7.5°	66.0	65.6	64.9	63.1	59.4	55.7	52.1	40.7	24.6	14.7	8.4
10°	182.2	179.7	176.4	156.6	134.2	114.4	97.2	52.4	26.4	12.8	6.2
12.5°	452.8	438.2	403.3	363.7	313.1	260.0	207.9	85.4	27.1	10.6	4.4
15°	850.0	819.5	765.2	686.0	582.6	466.4	367.4	138.6	26.4	8.8	3.3
17.5°	1283.4	1254.0	1178.9	1058.6	906.4	727.8	552.6	183.7	24.6	7.3	2.2
20°	1591.7	1560.6	1490.2	1362.6	1197.9	960.0	727.5	216.0	23.1	5.5	1.1
21°	1681.9	1650.8	1576.3	1453.1	1280.1	1041.4	783.6	221.5	22.0	4.8	0.7
22°	1739.1	1720.8	1640.9	1521.3	1345.0	1106.6	831.6	224.0	21.3	4.4	0.7
23°	1796.7	1769.2	1694.4	1568.3	1394.5	1155.0	867.2	222.2	20.5	3.7	0.4
24°	1839.2	1816.1	1729.2	1604.6	1428.9	1184.7	888.1	217.4	19.4	3.3	0.4
25°	1869.7	1848.4	1757.8	1629.1	1452.0	1200.9	894.7	210.1	18.3	2.9	0.4
26°	1898.6	1875.5	1781.7	1643.4	1464.1	1206.0	888.5	202.0	17.2	2.6	0.0
27°	1919.5	1896.1	1798.2	1651.9	1464.9	1199.8	871.6	191.0	16.1	2.2	0.0
28°	1941.9	1914.8	1809.5	1656.6	1460.5	1185.1	847.4	179.3	15.4	1.8	0.0
29°	1955.5	1929.8	1821.3	1661.8	1451.3	1160.5	812.2	165.4	13.6	1.1	0.0
30°	1964.3	1933.8	1820.2	1656.3	1439.2	1134.1	770.0	153.6	11.7	1.1	0.0
31°	1956.9	1925.0	1808.4	1640.9	1419.8	1099.7	726.7	139.0	9.5	0.7	0.0
32°	1941.2	1903.4	1787.9	1614.1	1384.9	1055.3	682.0	126.9	7.0	0.7	0.0
33°	1902.7	1870.8	1750.9	1578.2	1339.5	995.2	623.7	115.1	4.8	0.4	0.0
34°	1854.3	1822.4	1700.3	1530.1	1278.6	917.4	552.9	103.0	4.0	0.4	0.0
35°	1790.5	1758.9	1643.1	1463.0	1197.9	823.9	480.0	92.4	3.3	0.4	0.0
36°	1723.4	1681.6	1570.8	1391.5	1089.8	717.6	401.9	80.3	2.6	0.4	0.0
37°	1624.7	1596.5	1473.7	1282.6	972.8	615.6	345.0	69.3	1.8	0.4	0.0
38°	1522.4	1496.4	1376.5	1173.0	842.3	514.8	288.9	58.7	1.5	0.0	0.0
39°	1416.8	1373.6	1255.1	1032.6	705.5	431.2	243.1	49.1	0.7	0.0	0.0
40°	1251.1	1218.1	1091.6	863.9	583.7	349.4	207.2	37.4	0.7	0.0	0.0
42.5°	829.4	798.6	665.9	468.6	310.2	204.2	136.8	14.7	0.0	0.4	0.0
45°	427.5	408.1	331.5	245.3	176.0	125.4	88.0	9.2	0.0	0.4	0.4
47.5°	169.8	166.5	150.3	129.8	100.1	74.4	48.0	4.0	0.0	0.4	0.4
50°	45.8	46.2	43.3	40.0	36.3	34.1	20.2	1.1	0.0	0.7	0.4
52.5°	19.4	19.8	19.1	18.0	16.1	12.1	8.1	0.4	0.4	0.7	0.7
55°	4.0	4.4	4.8	5.1	5.9	5.1	3.3	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
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):

	135°	157.5°	180°
0°	16.9	16.9	16.9
2.5°	11.7	10.6	10.3
5°	8.1	7.0	6.2
7.5°	5.5	4.4	4.0
10°	3.7	2.9	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.7	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.5
50°	0.7	1.5	1.5
52.5°	1.1	1.5	1.8
55°	1.1	1.8	1.8
57.5°	1.5	1.8	2.2
60°	1.5	1.8	1.8
62.5°	1.5	2.2	2.2
65°	1.8	2.2	2.2
67.5°	1.8	2.2	2.2
70°	1.5	1.8	2.2
72.5°	1.5	1.8	1.8
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.7	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)