

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: P1345155

Luminaire Tested: P3A13R30B2750DE010 E3A301WMH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30B2750DE010 E3A301WMH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

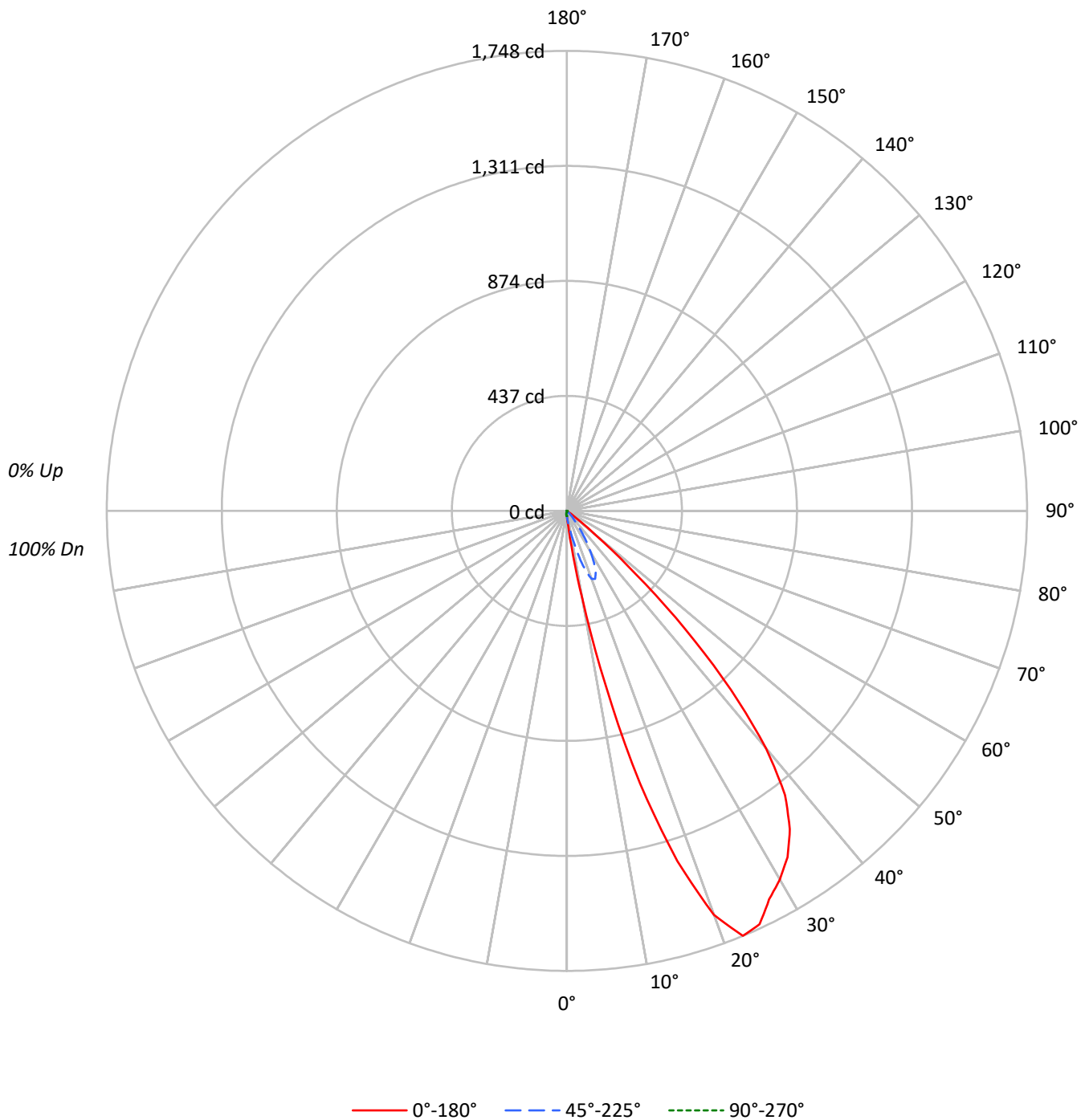
Lumens per Lamp: N/A
Luminaire Lumens: 412.0 lumens
Efficiency: N/A
Efficacy: 21.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4298	4298	4298	4298	4298
5°	12921	8629	4050	1827	1497
10°	74859	18281	3184	846	579
15°	243497	41453	2225	182	91
20°	381020	64126	1400	0	0
25°	419177	62665	726	0	0
30°	409430	45172	279	0	0
35°	395167	25698	107	0	0
40°	336974	10878	0	0	0
45°	197757	4093	124	0	124
50°	48033	785	136	136	375
55°	4167	0	306	421	573
60°	175	0	351	482	833
65°	208	208	571	571	986
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	1010	1010
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 197757 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.9
10°-20°	56.6	13.7
20°-30°	143.9	34.9
30°-40°	143.4	34.8
40°-50°	58.1	14.1
50°-60°	4.0	1.0
60°-70°	0.9	0.2
70°-80°	0.9	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°	204.1	49.5
0°-40°	347.5	84.3
0°-60°	409.7	99.4
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	59	39	18	8	7	14
15°	1073	183	10	1	0	312
25°	1732	259	3	0	0	782
35°	1476	96	0	0	0	905
45°	638	13	0	0	0	487
55°	11	0	1	1	2	29
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
2.5°	32.4	32.8	32.8	32.0	31.6	31.6	30.5	30.1	29.0	27.9	24.1
5°	58.7	57.6	56.1	56.1	52.7	50.8	48.2	45.2	42.9	39.2	27.9
7.5°	133.3	124.2	121.6	118.2	105.4	95.2	83.6	73.4	64.0	56.1	30.9
10°	336.2	318.5	303.8	274.1	236.8	201.0	167.9	129.5	103.2	82.1	33.1
12.5°	677.3	653.6	625.3	571.1	501.5	412.2	333.2	248.8	174.7	120.8	33.9
15°	1072.6	1032.3	988.2	919.3	805.3	677.3	534.6	400.2	280.5	182.6	33.1
17.5°	1394.8	1379.0	1313.9	1219.8	1080.1	915.2	739.4	555.7	378.4	239.1	30.9
20°	1632.8	1621.8	1543.2	1443.0	1285.7	1096.7	873.4	652.8	446.5	274.8	27.5
22.5°	1747.6	1745.7	1688.9	1586.5	1419.7	1205.5	959.6	708.9	467.6	279.7	23.0
25°	1732.5	1739.3	1706.9	1630.9	1470.9	1250.3	985.2	708.9	452.1	259.0	19.2
27.5°	1664.0	1668.5	1648.2	1589.8	1440.8	1217.9	949.5	663.3	407.3	222.5	15.8
30°	1617.0	1618.8	1593.6	1531.1	1373.0	1144.1	865.1	579.0	339.6	178.4	11.7
32.5°	1559.7	1559.4	1530.0	1458.5	1284.2	1040.6	758.2	478.5	260.9	135.5	6.8
35°	1476.2	1466.7	1426.8	1344.4	1151.6	901.3	621.6	364.4	187.9	96.0	4.1
37.5°	1361.3	1336.9	1280.4	1170.1	965.7	706.6	460.8	256.0	128.4	63.6	2.6
40°	1177.2	1151.3	1074.5	940.4	730.4	508.6	310.6	166.8	80.9	38.0	1.5
42.5°	923.1	905.4	801.9	668.2	482.3	324.5	186.7	98.6	45.6	21.8	0.4
45°	637.7	614.8	533.5	420.1	289.5	180.0	104.7	51.6	26.0	13.2	0.0
47.5°	352.0	323.8	276.7	217.6	145.7	94.5	52.7	27.9	14.7	6.4	0.0
50°	140.8	139.7	111.1	79.1	55.7	42.9	26.4	15.1	7.5	2.3	0.4
52.5°	49.3	49.3	42.5	34.6	27.1	19.6	13.2	7.2	2.6	0.8	0.4
55°	10.9	12.0	11.3	10.5	10.2	8.7	5.6	2.6	0.8	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.9	1.9	1.5	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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):

	90°	112.5°	135°	157.5°	180°
0°	19.6	19.6	19.6	19.6	19.6
2.5°	19.6	15.4	12.8	11.3	10.9
5°	18.4	11.7	8.3	7.2	6.8
7.5°	16.6	8.7	5.6	4.5	4.1
10°	14.3	6.4	3.8	2.6	2.6
12.5°	12.0	4.9	2.3	1.1	0.8
15°	9.8	3.0	0.8	0.4	0.4
17.5°	7.5	1.9	0.0	0.0	0.0
20°	6.0	0.8	0.0	0.0	0.0
22.5°	4.5	0.4	0.0	0.0	0.0
25°	3.0	0.0	0.0	0.0	0.0
27.5°	1.9	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.1
52.5°	0.8	0.4	0.8	1.1	1.1
55°	0.8	0.8	1.1	1.5	1.5
57.5°	0.8	0.8	1.1	1.5	1.5
60°	0.8	0.8	1.1	1.5	1.9
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.9
67.5°	1.1	1.1	1.1	1.5	1.9
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.8	1.1	1.1
80°	1.1	0.8	0.8	0.8	0.8
82.5°	1.1	0.8	0.8	0.8	0.8
85°	1.1	0.8	0.4	0.4	0.4
87.5°	1.1	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)