

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: P1338097

Luminaire Tested: P3A05R30B2750DE010 E3CA301MW_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338097
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: P3A05R30B2750DE010 E3CA301MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

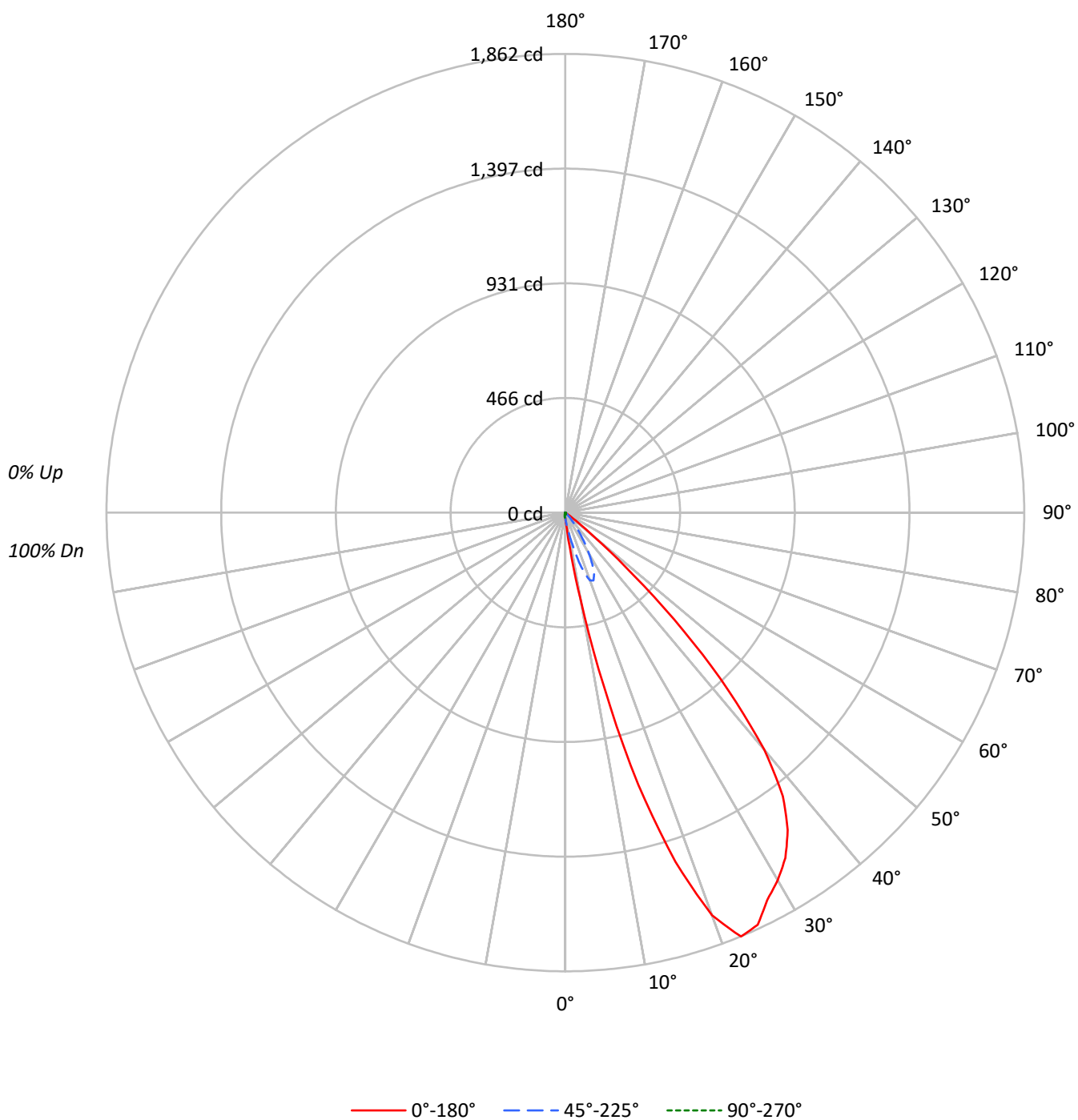
Lumens per Lamp: N/A
Luminaire Lumens: 439.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4583	4583	4583	4583	4583
5°	13779	9179	4336	1937	1585
10°	79758	19461	3384	891	623
15°	259457	44177	2361	182	91
20°	405989	68326	1493	0	0
25°	446663	66778	774	0	0
30°	436244	48134	304	0	0
35°	421053	27385	107	0	0
40°	359073	11593	0	0	0
45°	210720	4342	124	0	124
50°	51171	819	136	136	409
55°	4435	0	306	459	612
60°	175	0	351	526	877
65°	208	208	623	623	1038
70°	256	256	769	769	1026
75°	0	339	1017	1017	1017
80°	0	505	1515	1010	1010
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 210720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	60.3	13.7
20°-30°	153.3	34.9
30°-40°	152.8	34.8
40°-50°	61.9	14.1
50°-60°	4.3	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	217.5	49.5
0°-40°	370.3	84.4
0°-60°	436.5	99.4
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	63	42	20	9	7	15
15°	1143	195	10	1	0	333
25°	1846	276	3	0	0	834
35°	1573	102	0	0	0	964
45°	680	14	0	0	0	518
55°	12	0	1	1	2	30
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°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
2.5°	34.5	34.9	34.9	34.1	33.7	33.7	32.5	32.1	30.9	29.7	25.7
5°	62.6	61.4	59.8	59.8	56.2	54.2	51.3	48.1	45.7	41.7	29.7
7.5°	142.0	132.4	129.6	126.0	112.3	101.5	89.1	78.2	68.2	59.8	32.9
10°	358.2	339.4	323.7	292.0	252.3	214.2	178.9	138.0	109.9	87.4	35.3
12.5°	721.7	696.4	666.3	608.5	534.3	439.3	355.0	265.2	186.1	128.8	36.1
15°	1142.9	1099.9	1053.0	979.6	858.1	721.7	569.6	426.4	298.9	194.6	35.3
17.5°	1486.2	1469.4	1400.0	1299.7	1150.9	975.2	787.8	592.1	403.2	254.7	32.9
20°	1739.8	1728.1	1644.3	1537.6	1369.9	1168.5	930.7	695.6	475.8	292.8	29.3
22.5°	1862.1	1860.1	1799.5	1690.4	1512.7	1284.5	1022.5	755.4	498.2	298.1	24.5
25°	1846.1	1853.3	1818.8	1737.8	1567.3	1332.2	1049.8	755.4	481.8	276.0	20.5
27.5°	1773.1	1777.9	1756.2	1694.0	1535.2	1297.7	1011.7	706.8	434.0	237.1	16.8
30°	1722.9	1724.9	1698.0	1631.5	1463.0	1219.1	921.8	617.0	361.8	190.1	12.4
32.5°	1661.9	1661.5	1630.3	1554.0	1368.3	1108.8	807.9	509.9	278.0	144.4	7.2
35°	1572.9	1562.9	1520.3	1432.5	1227.1	960.3	662.3	388.3	200.2	102.3	4.4
37.5°	1450.5	1424.5	1364.3	1246.8	1028.9	753.0	491.0	272.8	136.8	67.8	2.8
40°	1254.4	1226.7	1144.9	1002.1	778.2	541.9	330.9	177.7	86.2	40.5	1.6
42.5°	983.6	964.8	854.4	712.0	513.9	345.8	199.0	105.1	48.5	23.3	0.4
45°	679.5	655.1	568.4	447.7	308.5	191.7	111.5	55.0	27.7	14.0	0.0
47.5°	375.1	345.0	294.8	231.9	155.2	100.7	56.2	29.7	15.6	6.8	0.0
50°	150.0	148.8	118.3	84.2	59.4	45.7	28.1	16.0	8.0	2.4	0.4
52.5°	52.6	52.6	45.3	36.9	28.9	20.9	14.0	7.6	2.8	0.8	0.4
55°	11.6	12.8	12.0	11.2	10.8	9.2	6.0	2.8	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	2.0	2.0	1.6	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	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
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°	20.9	20.9	20.9	20.9	20.9
2.5°	20.9	16.4	13.6	12.0	11.6
5°	19.7	12.4	8.8	7.6	7.2
7.5°	17.7	9.2	6.0	4.8	4.4
10°	15.2	6.8	4.0	2.8	2.8
12.5°	12.8	5.2	2.4	1.2	0.8
15°	10.4	3.2	0.8	0.4	0.4
17.5°	8.0	2.0	0.0	0.0	0.0
20°	6.4	0.8	0.0	0.0	0.0
22.5°	4.8	0.4	0.0	0.0	0.0
25°	3.2	0.0	0.0	0.0	0.0
27.5°	2.0	0.0	0.0	0.0	0.0
30°	1.2	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	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	2.0
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	2.0
67.5°	1.2	1.2	1.2	1.6	2.0
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)