

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: P1338095

Luminaire Tested: P3A05R30B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338095
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

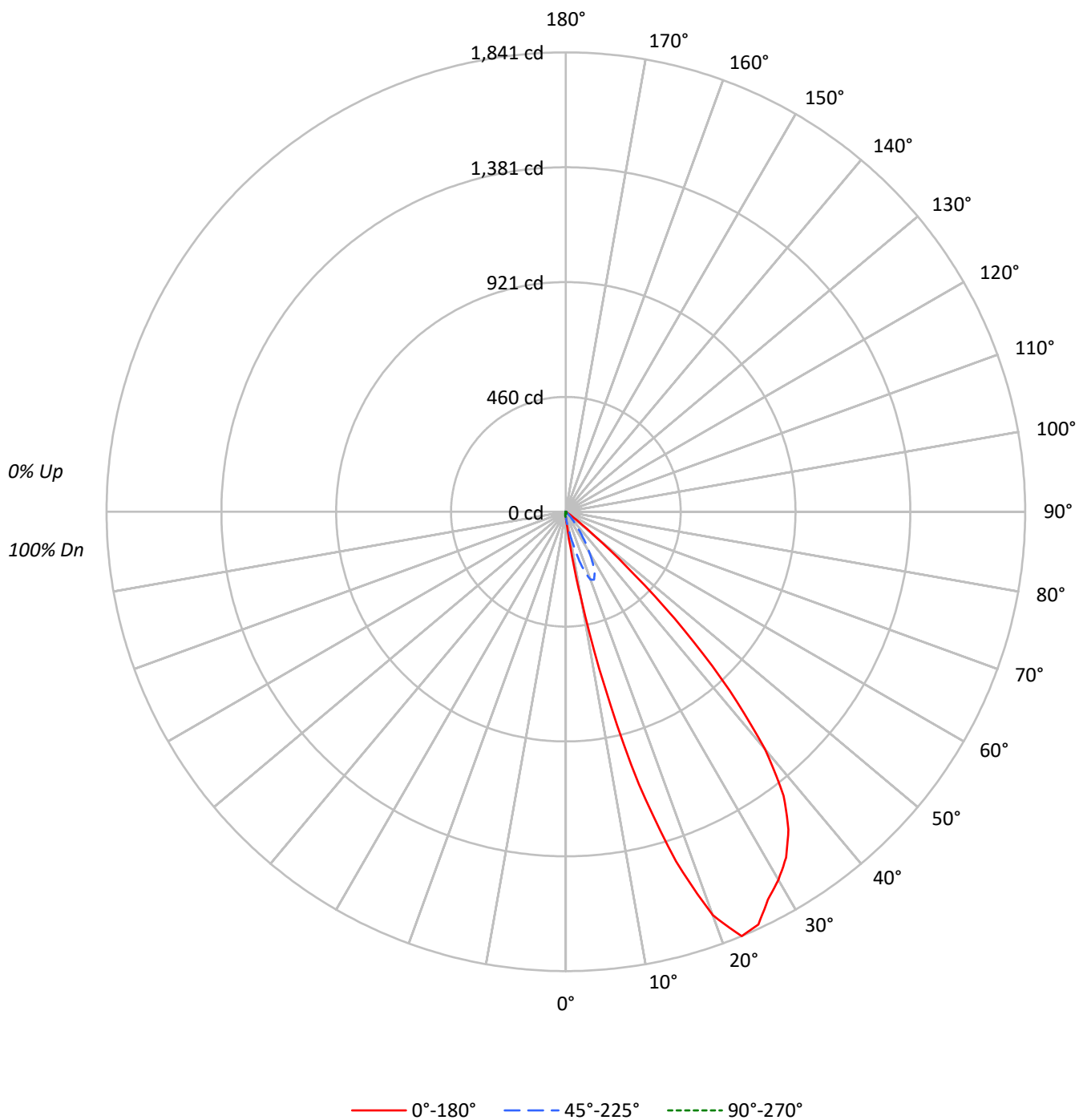
Lumens per Lamp: N/A
Luminaire Lumens: 434.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	87	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°	4517	4517	4517	4517	4517
5°	13625	9069	4270	1915	1563
10°	78845	19260	3362	891	623
15°	256483	43655	2338	182	91
20°	401368	67556	1470	0	0
25°	441558	66004	774	0	0
30°	431282	47602	304	0	0
35°	416261	27064	107	0	0
40°	354979	11479	0	0	0
45°	208332	4311	124	0	124
50°	50591	819	136	136	409
55°	4396	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: 208332 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	59.7	13.7
20°-30°	151.6	34.9
30°-40°	151.1	34.8
40°-50°	61.2	14.1
50°-60°	4.2	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°	215.0	49.5
0°-40°	366.1	84.4
0°-60°	431.6	99.4
0°-90°	434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	62	41	19	9	7	14
15°	1130	192	10	1	0	329
25°	1825	273	3	0	0	824
35°	1555	101	0	0	0	953
45°	672	14	0	0	0	513
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°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	34.1	34.5	34.5	33.7	33.3	33.3	32.1	31.7	30.5	29.3	25.4
5°	61.9	60.7	59.1	59.1	55.5	53.5	50.8	47.6	45.2	41.2	29.3
7.5°	140.4	130.9	128.1	124.5	111.0	100.3	88.0	77.3	67.4	59.1	32.5
10°	354.1	335.5	320.0	288.7	249.4	211.8	176.9	136.4	108.7	86.5	34.9
12.5°	713.4	688.5	658.7	601.6	528.2	434.3	351.0	262.1	184.0	127.3	35.7
15°	1129.8	1087.4	1041.0	968.4	848.3	713.4	563.1	421.6	295.4	192.3	34.9
17.5°	1469.3	1452.7	1384.1	1284.9	1137.8	964.1	778.9	585.3	398.6	251.8	32.5
20°	1720.0	1708.5	1625.6	1520.1	1354.3	1155.2	920.1	687.7	470.3	289.5	29.0
22.5°	1840.9	1838.9	1779.0	1671.2	1495.5	1269.8	1010.9	746.8	492.5	294.7	24.2
25°	1825.0	1832.2	1798.1	1718.0	1549.4	1317.0	1037.8	746.8	476.3	272.8	20.2
27.5°	1752.9	1757.6	1736.2	1674.7	1517.7	1282.9	1000.2	698.8	429.1	234.4	16.7
30°	1703.3	1705.3	1678.7	1612.9	1446.3	1205.2	911.3	609.9	357.7	188.0	12.3
32.5°	1643.0	1642.6	1611.7	1536.3	1352.7	1096.1	798.7	504.0	274.8	142.8	7.1
35°	1555.0	1545.1	1503.0	1416.2	1213.1	949.4	654.7	383.9	197.9	101.1	4.4
37.5°	1434.0	1408.2	1348.8	1232.6	1017.2	744.4	485.4	269.7	135.2	67.0	2.8
40°	1240.1	1212.7	1131.8	990.6	769.4	535.8	327.2	175.7	85.3	40.1	1.6
42.5°	972.4	953.8	844.7	703.9	508.0	341.8	196.7	103.9	48.0	23.0	0.4
45°	671.8	647.6	561.9	442.6	305.0	189.6	110.2	54.3	27.4	13.9	0.0
47.5°	370.8	341.1	291.5	229.2	153.5	99.5	55.5	29.3	15.5	6.7	0.0
50°	148.3	147.1	117.0	83.3	58.7	45.2	27.8	15.9	7.9	2.4	0.4
52.5°	52.0	52.0	44.8	36.5	28.6	20.6	13.9	7.5	2.8	0.8	0.4
55°	11.5	12.7	11.9	11.1	10.7	9.1	5.9	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°	20.6	20.6	20.6	20.6	20.6
2.5°	20.6	16.3	13.5	11.9	11.5
5°	19.4	12.3	8.7	7.5	7.1
7.5°	17.4	9.1	5.9	4.8	4.4
10°	15.1	6.7	4.0	2.8	2.8
12.5°	12.7	5.2	2.4	1.2	0.8
15°	10.3	3.2	0.8	0.4	0.4
17.5°	7.9	2.0	0.0	0.0	0.0
20°	6.3	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)