

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: P1338098

Luminaire Tested: P3A05R30B2750DE010 E3CA301MW_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338098
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

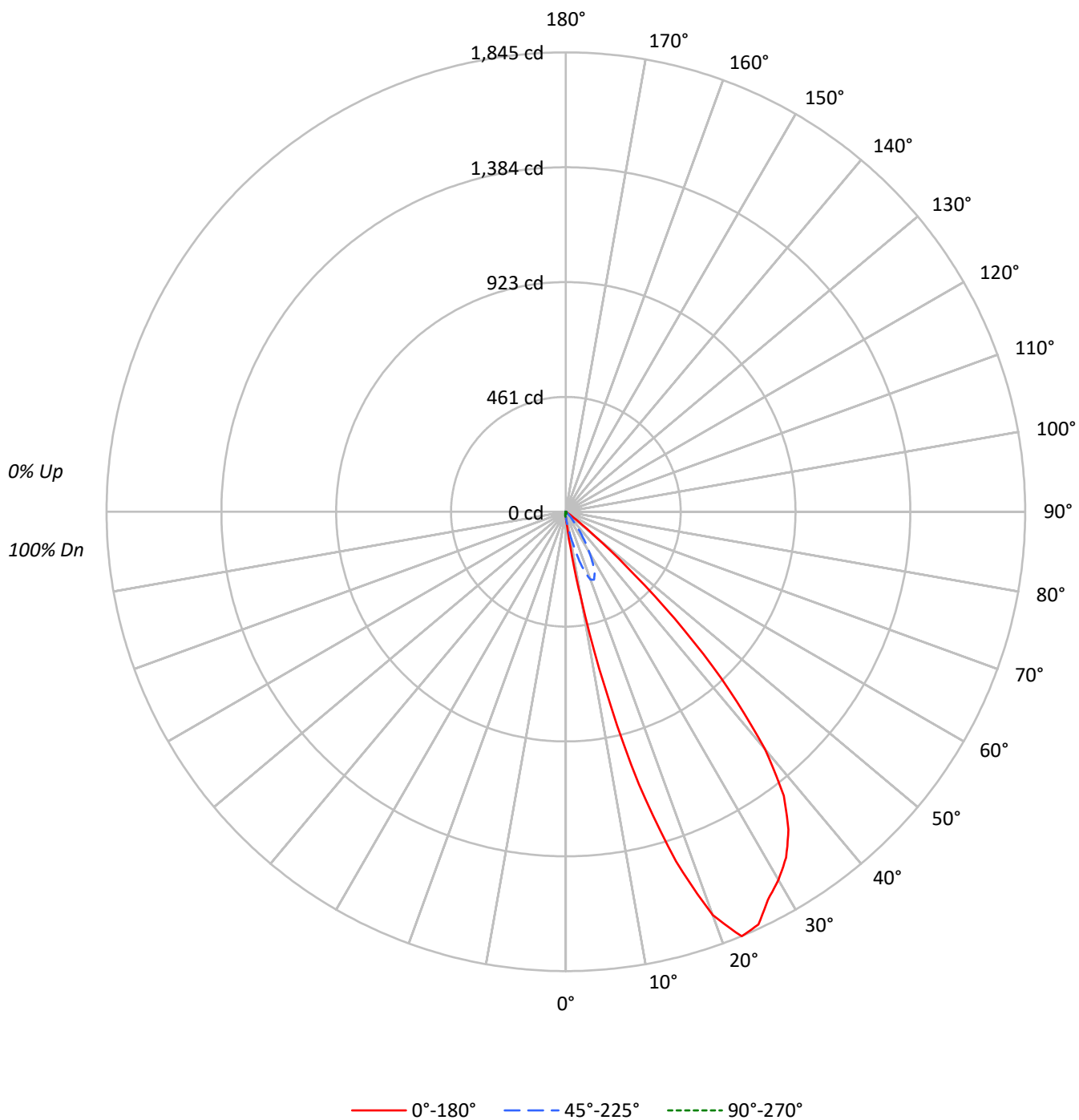
Lumens per Lamp: N/A
Luminaire Lumens: 435.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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°	4539	4539	4539	4539	4539
5°	13647	9091	4292	1915	1585
10°	79046	19305	3362	891	623
15°	257096	43769	2338	182	91
20°	402278	67719	1493	0	0
25°	442598	66173	774	0	0
30°	432269	47704	304	0	0
35°	417225	27144	107	0	0
40°	355809	11479	0	0	0
45°	208797	4311	124	0	124
50°	50728	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: 208797 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	59.8	13.7
20°-30°	151.9	34.9
30°-40°	151.4	34.8
40°-50°	61.3	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°	215.5	49.5
0°-40°	367.0	84.4
0°-60°	432.5	99.4
0°-90°	435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	435.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	62	41	20	9	7	14
15°	1132	193	10	1	0	330
25°	1829	274	3	0	0	826
35°	1559	101	0	0	0	955
45°	673	14	0	0	0	514
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°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2.5°	34.2	34.6	34.6	33.8	33.4	33.4	32.2	31.8	30.6	29.4	25.4
5°	62.0	60.8	59.2	59.2	55.6	53.7	50.9	47.7	45.3	41.3	29.4
7.5°	140.7	131.2	128.4	124.8	111.3	100.6	88.2	77.5	67.6	59.2	32.6
10°	355.0	336.3	320.8	289.4	250.0	212.3	177.3	136.7	108.9	86.7	35.0
12.5°	715.1	690.0	660.2	603.0	529.5	435.3	351.8	262.7	184.4	127.6	35.8
15°	1132.5	1089.9	1043.4	970.7	850.2	715.1	564.4	422.5	296.1	192.8	35.0
17.5°	1472.7	1456.0	1387.2	1287.9	1140.4	966.3	780.7	586.7	399.5	252.4	32.6
20°	1723.9	1712.4	1629.3	1523.6	1357.4	1157.9	922.2	689.2	471.4	290.2	29.0
22.5°	1845.2	1843.2	1783.1	1675.0	1498.9	1272.8	1013.2	748.5	493.7	295.3	24.2
25°	1829.3	1836.4	1802.2	1721.9	1553.0	1320.1	1040.2	748.5	477.4	273.5	20.3
27.5°	1756.9	1761.7	1740.2	1678.6	1521.2	1285.9	1002.5	700.4	430.1	234.9	16.7
30°	1707.2	1709.2	1682.6	1616.6	1449.6	1208.0	913.4	611.3	358.5	188.4	12.3
32.5°	1646.8	1646.4	1615.4	1539.9	1355.8	1098.7	800.5	505.2	275.5	143.1	7.2
35°	1558.6	1548.6	1506.5	1419.4	1215.9	951.6	656.3	384.8	198.3	101.4	4.4
37.5°	1437.3	1411.5	1351.9	1235.4	1019.6	746.1	486.5	270.3	135.5	67.2	2.8
40°	1243.0	1215.5	1134.4	992.9	771.1	537.0	327.9	176.1	85.5	40.1	1.6
42.5°	974.6	956.0	846.7	705.5	509.2	342.6	197.2	104.1	48.1	23.1	0.4
45°	673.3	649.1	563.2	443.6	305.7	190.0	110.5	54.5	27.4	13.9	0.0
47.5°	371.7	341.8	292.2	229.7	153.8	99.8	55.6	29.4	15.5	6.8	0.0
50°	148.7	147.5	117.3	83.5	58.8	45.3	27.8	15.9	7.9	2.4	0.4
52.5°	52.1	52.1	44.9	36.6	28.6	20.7	13.9	7.6	2.8	0.8	0.4
55°	11.5	12.7	11.9	11.1	10.7	9.1	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°	20.7	20.7	20.7	20.7	20.7
2.5°	20.7	16.3	13.5	11.9	11.5
5°	19.5	12.3	8.7	7.6	7.2
7.5°	17.5	9.1	6.0	4.8	4.4
10°	15.1	6.8	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°	6.4	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)