

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: P1335925

Luminaire Tested: P3A02R40B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R40B2750DE010 E3CA301MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

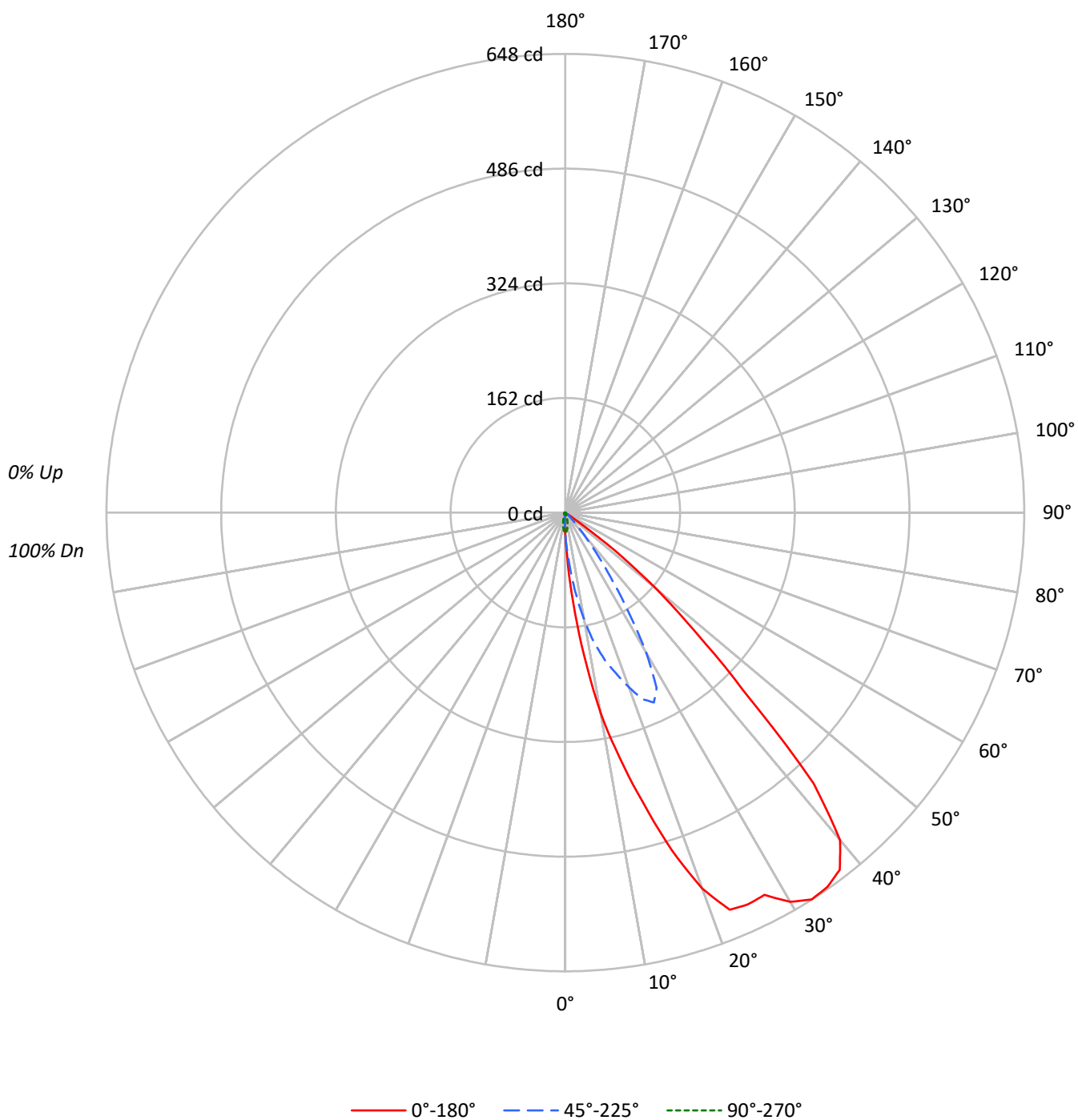
Lumens per Lamp: N/A
Luminaire Lumens: 239.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6206	6206	6206	6206	6206
5°	27977	17830	5547	2135	1563
10°	64127	34446	3919	757	579
15°	96255	48877	2429	409	363
20°	131798	61279	1423	233	280
25°	147734	71593	726	194	242
30°	160708	57806	304	152	253
35°	172715	29580	107	214	321
40°	172781	11794	57	229	401
45°	110306	3938	124	372	558
50°	57277	478	205	478	682
55°	4932	76	229	612	841
60°	175	88	263	702	965
65°	208	104	415	726	1038
70°	128	128	513	769	1026
75°	169	169	508	847	1186
80°	253	253	758	758	1010
85°	0	503	1510	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110306 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	2.3
10°-20°	32.3	13.5
20°-30°	70.8	29.6
30°-40°	80.7	33.8
40°-50°	42.6	17.8
50°-60°	5.0	2.1
60°-70°	0.9	0.4
70°-80°	0.7	0.3
80°-90°	0.3	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°	108.7	45.5
0°-40°	189.4	79.3
0°-60°	237.0	99.2
0°-90°	239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	239.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	127	81	25	10	7	17
15°	424	215	11	2	2	125
25°	611	296	3	1	1	281
35°	645	110	0	1	1	400
45°	356	13	0	1	2	287
55°	13	0	1	2	2	40
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°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	63.0	63.0	62.8	61.0	60.8	60.6	57.4	56.6	52.7	50.1	38.2
5°	127.1	124.2	124.0	120.8	115.3	108.1	103.4	95.9	88.7	81.0	47.1
7.5°	202.4	204.8	198.2	194.7	182.6	173.9	160.6	148.9	132.5	117.2	54.3
10°	288.0	283.8	277.1	270.5	257.3	241.8	222.0	201.2	177.6	154.7	58.4
12.5°	354.9	349.5	345.4	336.3	323.4	303.4	279.8	251.9	220.6	187.7	58.2
15°	424.0	418.5	409.5	401.4	382.2	359.8	334.1	297.3	259.0	215.3	53.9
17.5°	499.9	492.9	482.8	470.5	451.9	427.0	394.5	349.7	295.3	238.0	46.3
20°	564.8	560.5	550.4	535.9	517.7	493.5	455.9	406.2	340.0	262.6	36.8
22.5°	607.2	603.4	596.5	583.8	570.0	544.2	509.8	455.3	377.3	285.0	27.9
25°	610.6	609.0	607.2	603.0	594.7	576.3	542.8	484.0	400.6	295.9	20.6
27.5°	608.8	608.2	607.8	605.6	600.1	582.0	547.6	488.2	397.5	279.0	15.1
30°	634.7	632.9	631.9	624.6	610.2	582.2	537.3	465.4	353.3	228.3	10.9
32.5°	647.8	647.4	646.4	639.3	619.1	582.6	519.9	410.3	280.2	164.8	7.5
35°	645.2	643.2	639.5	626.4	598.3	552.5	463.8	327.6	202.2	110.5	4.8
37.5°	636.3	631.6	624.6	600.9	563.6	501.0	376.1	241.2	137.6	71.5	2.8
40°	603.6	597.3	586.2	557.3	508.2	412.9	278.2	163.0	90.3	41.2	0.8
42.5°	518.9	510.9	502.8	470.5	414.3	307.8	183.0	100.8	51.5	22.6	0.2
45°	355.7	345.6	334.5	311.1	266.0	186.4	108.9	56.8	26.7	12.7	0.2
47.5°	247.0	242.4	223.0	193.1	148.1	98.8	56.4	27.9	14.1	5.9	0.2
50°	167.9	162.6	140.0	111.1	78.8	47.3	25.9	13.9	6.3	1.4	0.2
52.5°	88.1	81.6	67.3	51.3	31.9	19.8	11.3	6.1	1.8	0.2	0.2
55°	12.9	11.9	9.7	7.9	7.1	5.5	3.2	1.4	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	28.3	28.3	28.3	28.3	28.3
2.5°	27.9	20.6	16.0	13.7	13.5
5°	25.2	14.7	9.7	7.5	7.1
7.5°	21.4	10.3	5.7	4.0	3.8
10°	17.6	7.1	3.4	2.8	2.6
12.5°	13.9	4.6	2.4	2.2	2.0
15°	10.7	3.0	1.8	1.6	1.6
17.5°	8.1	2.0	1.4	1.4	1.4
20°	6.1	1.4	1.0	1.2	1.2
22.5°	4.2	1.0	0.8	1.0	1.0
25°	3.0	0.8	0.8	1.0	1.0
27.5°	2.0	0.6	0.6	0.8	1.0
30°	1.2	0.4	0.6	0.8	1.0
32.5°	0.6	0.4	0.6	1.0	1.0
35°	0.4	0.6	0.8	1.0	1.2
37.5°	0.2	0.6	0.8	1.2	1.2
40°	0.2	0.6	0.8	1.2	1.4
42.5°	0.4	0.8	1.0	1.4	1.6
45°	0.4	0.8	1.2	1.6	1.8
47.5°	0.4	0.8	1.4	1.8	1.8
50°	0.6	1.0	1.4	1.8	2.0
52.5°	0.6	1.0	1.4	2.0	2.2
55°	0.6	1.0	1.6	2.0	2.2
57.5°	0.6	1.2	1.6	2.0	2.2
60°	0.6	1.0	1.6	2.0	2.2
62.5°	0.8	1.0	1.4	2.0	2.0
65°	0.8	1.0	1.4	2.0	2.0
67.5°	0.8	1.0	1.4	1.8	1.8
70°	0.8	1.0	1.2	1.6	1.6
72.5°	0.8	1.0	1.2	1.4	1.6
75°	0.6	0.8	1.0	1.2	1.4
77.5°	0.6	0.8	0.8	1.2	1.2
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.6	0.6	0.4	0.6	0.6
85°	0.6	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)