

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: P1335928

Luminaire Tested: P3A02R40B2750DE010 E3CA301MW_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335928
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

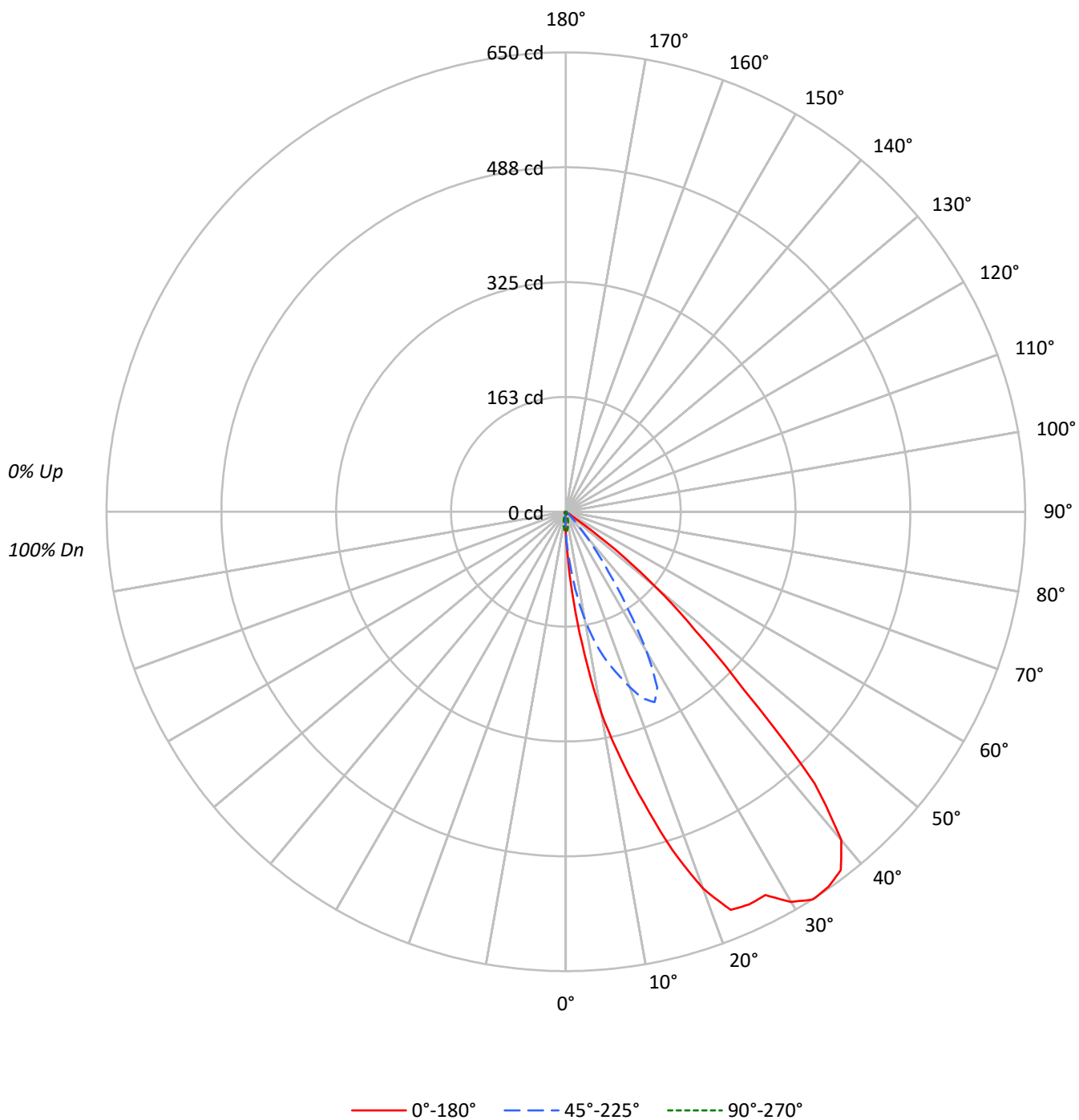
Lumens per Lamp: N/A
Luminaire Lumens: 239.9 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	6228	6228	6228	6228	6228
5°	28087	17896	5591	2135	1563
10°	64417	34602	3919	757	579
15°	96663	49081	2452	409	363
20°	132358	61535	1423	233	280
25°	148363	71907	726	194	242
30°	161367	58034	304	152	253
35°	173438	29714	107	214	321
40°	173496	11851	57	229	401
45°	110771	3969	124	372	558
50°	57516	478	205	478	682
55°	4970	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: 110771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	2.3
10°-20°	32.5	13.5
20°-30°	71.1	29.6
30°-40°	81.0	33.8
40°-50°	42.8	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°	109.2	45.5
0°-40°	190.2	79.3
0°-60°	238.0	99.2
0°-90°	239.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	239.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	128	81	25	10	7	17
15°	426	216	11	2	2	125
25°	613	297	3	1	1	283
35°	648	111	0	1	1	402
45°	357	13	0	1	2	288
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°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
2.5°	63.3	63.3	63.1	61.3	61.1	60.9	57.6	56.8	52.9	50.3	38.3
5°	127.6	124.7	124.5	121.3	115.8	108.5	103.9	96.4	89.0	81.3	47.3
7.5°	203.2	205.7	199.0	195.5	183.4	174.6	161.3	149.5	133.1	117.6	54.6
10°	289.3	285.0	278.3	271.6	258.4	242.8	222.9	202.0	178.3	155.4	58.6
12.5°	356.4	350.9	346.9	337.7	324.8	304.7	280.9	252.9	221.5	188.4	58.4
15°	425.8	420.3	411.2	403.1	383.8	361.3	335.5	298.6	260.0	216.2	54.2
17.5°	502.0	494.9	484.8	472.4	453.8	428.8	396.2	351.1	296.6	238.9	46.5
20°	567.2	562.9	552.7	538.1	519.9	495.5	457.8	407.9	341.4	263.7	36.9
22.5°	609.7	605.9	599.0	586.2	572.4	546.5	512.0	457.2	378.9	286.2	28.0
25°	613.2	611.6	609.7	605.5	597.2	578.7	545.0	486.0	402.2	297.2	20.7
27.5°	611.4	610.8	610.4	608.1	602.6	584.4	549.9	490.3	399.2	280.1	15.2
30°	637.3	635.5	634.5	627.2	612.8	584.6	539.6	467.4	354.8	229.2	11.0
32.5°	650.5	650.1	649.1	642.0	621.7	585.0	522.1	412.0	281.3	165.5	7.5
35°	647.9	645.9	642.2	629.0	600.8	554.8	465.7	329.0	203.0	111.0	4.9
37.5°	639.0	634.3	627.2	603.5	565.9	503.1	377.7	242.2	138.1	71.8	2.8
40°	606.1	599.8	588.7	559.6	510.4	414.6	279.3	163.7	90.7	41.4	0.8
42.5°	521.1	513.0	504.9	472.4	416.0	309.1	183.8	101.2	51.7	22.7	0.2
45°	357.2	347.1	335.9	312.4	267.1	187.2	109.3	57.0	26.8	12.8	0.2
47.5°	248.1	243.4	223.9	193.9	148.7	99.2	56.6	28.0	14.2	5.9	0.2
50°	168.6	163.3	140.6	111.6	79.1	47.5	26.0	14.0	6.3	1.4	0.2
52.5°	88.4	81.9	67.5	51.5	32.0	19.9	11.4	6.1	1.8	0.2	0.2
55°	13.0	12.0	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°	28.4	28.4	28.4	28.4	28.4
2.5°	28.0	20.7	16.0	13.8	13.6
5°	25.4	14.8	9.7	7.5	7.1
7.5°	21.5	10.3	5.7	4.1	3.9
10°	17.6	7.1	3.4	2.8	2.6
12.5°	14.0	4.7	2.4	2.2	2.0
15°	10.8	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°	4.3	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)