

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: P1335589

Luminaire Tested: P3A02R35B2750DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R35B2750DE010 E3CA301MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

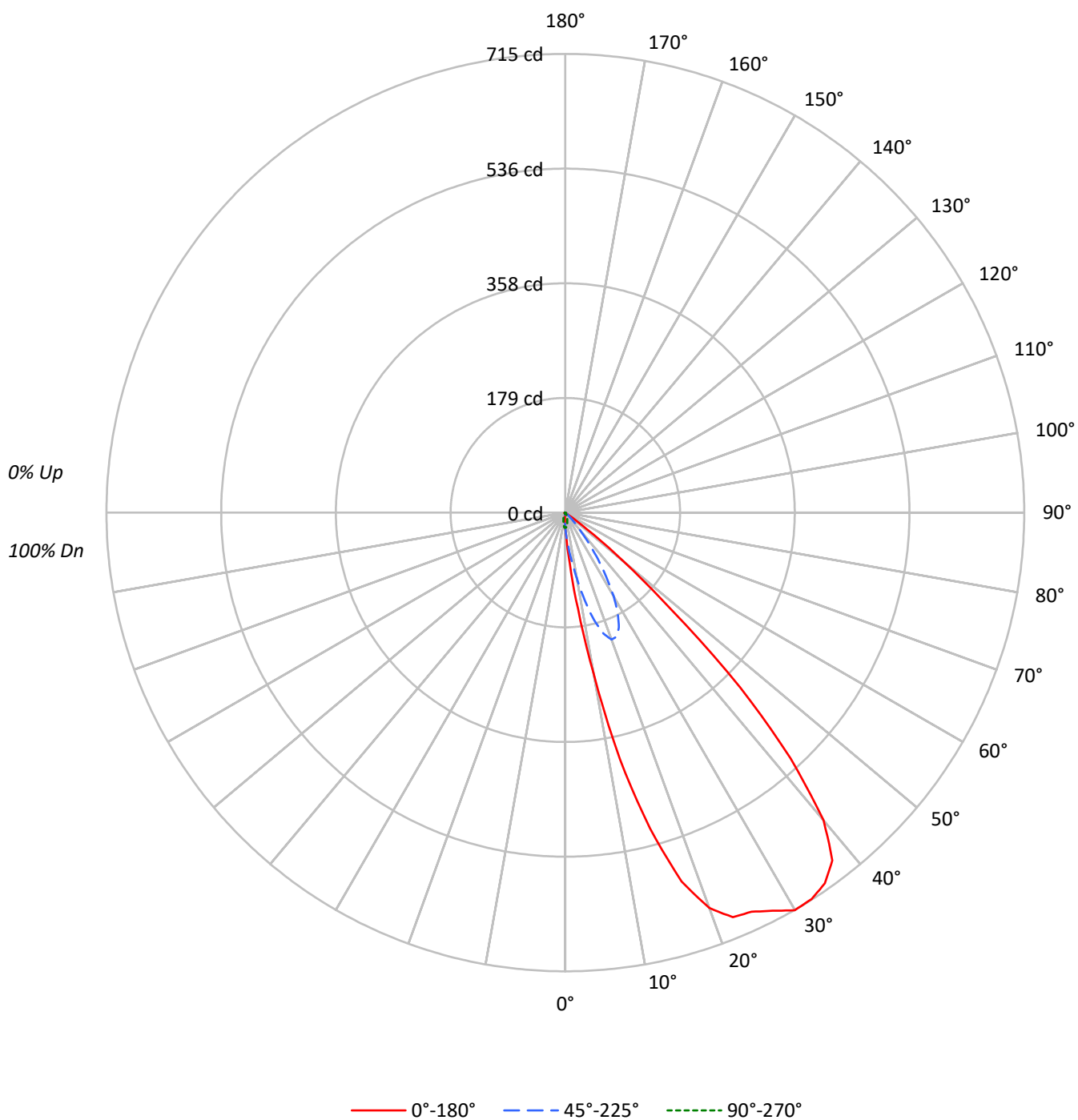
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5175	5175	5175	5175	5175
5°	17653	11468	4843	2047	1519
10°	56801	23246	3830	757	490
15°	115733	39433	2701	272	182
20°	153033	49121	1750	93	93
25°	166050	47737	968	48	97
30°	181142	38056	405	51	101
35°	188750	23691	107	54	107
40°	179107	10362	57	115	172
45°	119578	4124	62	186	310
50°	40084	682	136	273	409
55°	2256	76	153	382	535
60°	175	88	263	439	614
65°	208	104	311	519	726
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 119578 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	1.8
10°-20°	32.3	14.4
20°-30°	68.2	30.3
30°-40°	77.4	34.4
40°-50°	38.1	16.9
50°-60°	3.3	1.5
60°-70°	0.7	0.3
70°-80°	0.6	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°	104.6	46.5
0°-40°	182.0	80.9
0°-60°	223.4	99.3
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	80	52	22	9	7	13
15°	510	174	12	1	1	145
25°	686	197	4	0	0	319
35°	705	88	0	0	0	435
45°	386	13	0	1	1	285
55°	6	0	0	1	1	23
65°	0	0	1	1	1	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°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2.5°	41.0	42.0	41.6	41.4	41.2	40.4	38.6	38.4	36.6	35.3	29.3
5°	80.2	78.6	79.0	76.8	73.9	69.9	67.3	61.6	57.0	52.1	34.1
7.5°	151.1	148.9	144.6	138.2	131.5	122.8	109.7	99.2	87.1	75.5	38.0
10°	255.1	253.9	248.4	231.9	217.3	194.1	172.3	149.3	126.6	104.4	40.6
12.5°	394.1	385.8	375.9	353.9	325.2	296.1	253.1	213.3	177.1	140.0	40.8
15°	509.8	504.5	490.6	461.9	427.4	385.4	334.3	280.7	226.2	173.7	38.8
17.5°	602.9	594.8	576.8	548.8	509.0	454.4	394.7	329.4	263.0	197.7	35.3
20°	655.8	651.6	637.8	609.8	566.3	506.8	438.7	362.7	286.0	210.5	30.9
22.5°	682.5	679.4	669.3	646.9	606.3	546.3	468.4	380.1	292.7	209.0	26.3
25°	686.3	685.5	676.8	659.8	625.9	566.5	481.3	383.3	287.2	197.3	21.8
27.5°	699.6	696.8	686.5	669.5	635.4	570.0	476.9	372.2	269.6	176.7	18.2
30°	715.4	713.4	703.1	685.5	645.1	566.7	461.1	347.6	241.6	150.3	13.5
32.5°	714.2	713.4	704.7	686.1	638.2	547.8	433.0	310.6	203.4	118.6	8.5
35°	705.1	702.3	691.4	662.7	599.1	498.9	379.7	260.5	161.0	88.5	5.5
37.5°	683.3	677.2	658.8	610.2	529.0	423.5	309.2	201.2	113.9	59.2	3.4
40°	625.7	618.0	581.1	522.3	437.3	333.7	230.0	138.4	75.1	36.2	1.4
42.5°	519.1	503.5	466.6	406.2	326.4	235.9	151.1	89.7	44.2	21.8	0.4
45°	385.6	373.7	334.9	280.1	213.9	151.3	91.5	48.5	24.4	13.3	0.2
47.5°	224.6	217.3	197.3	161.4	118.2	79.4	46.9	26.1	14.3	6.5	0.2
50°	117.5	108.5	93.3	70.7	52.1	36.6	22.8	13.9	7.1	2.0	0.2
52.5°	41.2	40.6	37.0	27.9	22.6	16.4	11.1	6.1	2.0	0.4	0.2
55°	5.9	5.9	5.5	6.1	6.5	5.9	3.8	1.6	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.2	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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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°	23.6	23.6	23.6	23.6	23.6
2.5°	23.4	18.8	14.9	13.1	12.5
5°	22.0	14.1	9.3	7.3	6.9
7.5°	19.6	10.1	5.7	4.0	3.8
10°	17.2	7.3	3.4	2.4	2.2
12.5°	14.3	5.0	2.2	1.4	1.2
15°	11.9	3.4	1.2	1.0	0.8
17.5°	9.5	2.2	0.8	0.6	0.8
20°	7.5	1.4	0.4	0.4	0.4
22.5°	5.7	0.8	0.4	0.4	0.4
25°	4.0	0.4	0.2	0.2	0.4
27.5°	2.8	0.2	0.2	0.2	0.4
30°	1.6	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.4
55°	0.4	0.8	1.0	1.4	1.4
57.5°	0.6	0.8	1.0	1.4	1.4
60°	0.6	0.8	1.0	1.4	1.4
62.5°	0.6	0.8	1.0	1.4	1.4
65°	0.6	0.8	1.0	1.4	1.4
67.5°	0.6	0.8	1.0	1.2	1.4
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	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)