

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: P1335592

Luminaire Tested: P3A02R35B2750DE010 E3CA301MW_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335592
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

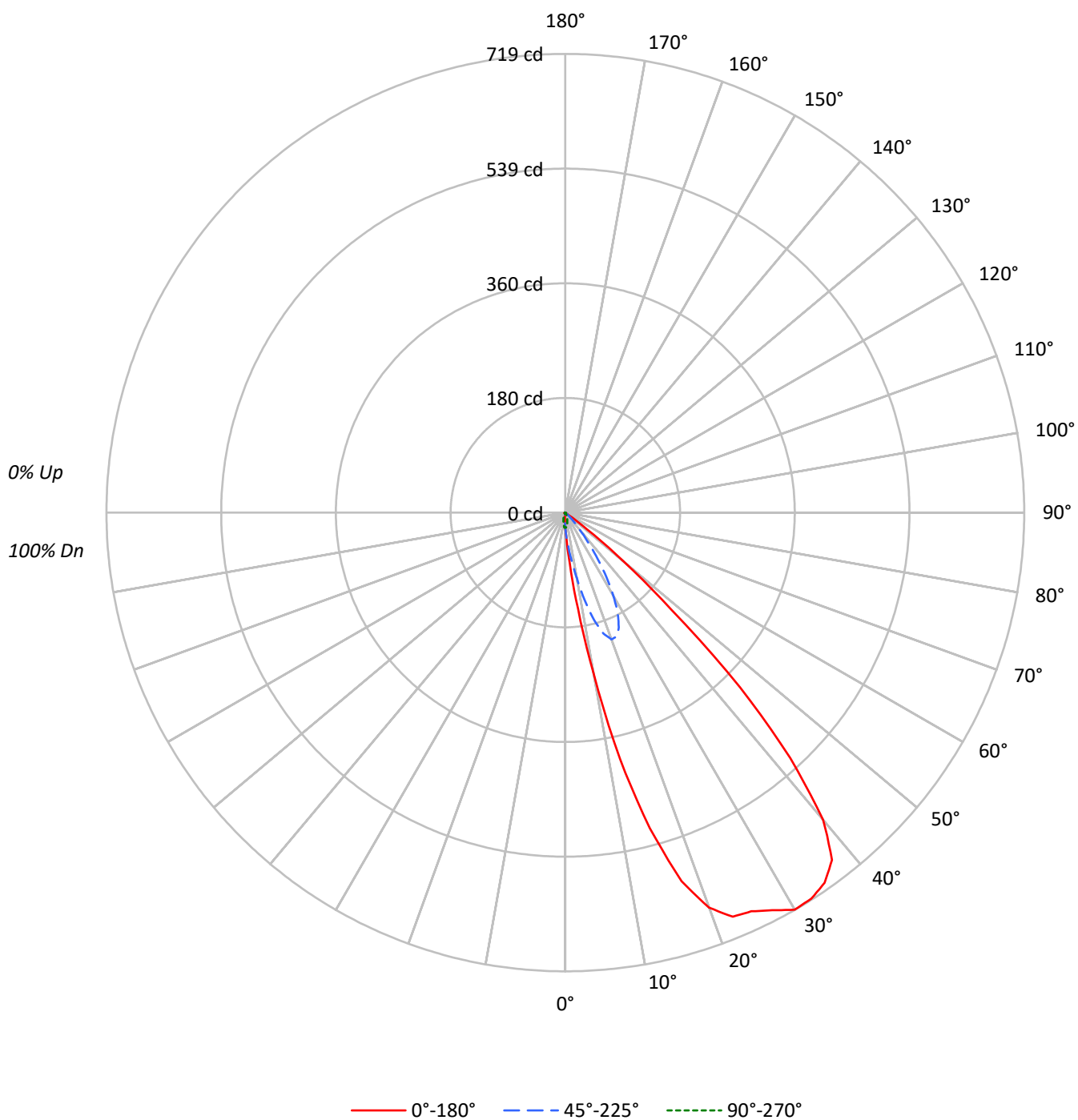
Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	5197	5197	5197	5197	5197
5°	17720	11512	4865	2047	1519
10°	57046	23357	3830	757	490
15°	116232	39614	2724	272	182
20°	153710	49331	1750	93	93
25°	166800	47954	992	48	97
30°	181952	38208	405	51	101
35°	189580	23798	107	54	107
40°	179908	10391	57	115	172
45°	120105	4155	62	186	310
50°	40289	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: 120105 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	1.8
10°-20°	32.5	14.4
20°-30°	68.5	30.3
30°-40°	77.7	34.4
40°-50°	38.3	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°	105.1	46.5
0°-40°	182.8	80.9
0°-60°	224.4	99.3
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	80	52	22	9	7	13
15°	512	174	12	1	1	146
25°	689	198	4	0	0	321
35°	708	89	0	0	0	436
45°	387	13	0	1	1	286
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°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	41.2	42.2	41.8	41.6	41.4	40.6	38.7	38.5	36.7	35.5	29.4
5°	80.5	78.9	79.3	77.1	74.3	70.2	67.6	61.9	57.2	52.3	34.3
7.5°	151.7	149.5	145.3	138.8	132.1	123.3	110.2	99.6	87.4	75.9	38.1
10°	256.2	255.0	249.5	232.9	218.3	195.0	173.0	149.9	127.2	104.9	40.8
12.5°	395.8	387.5	377.5	355.4	326.6	297.4	254.2	214.2	177.9	140.6	41.0
15°	512.0	506.8	492.8	464.0	429.3	387.1	335.8	282.0	227.2	174.5	39.0
17.5°	605.6	597.5	579.4	551.2	511.2	456.5	396.4	330.9	264.1	198.6	35.5
20°	658.7	654.5	640.7	612.5	568.9	509.0	440.6	364.4	287.3	211.4	31.0
22.5°	685.5	682.5	672.3	649.8	609.0	548.8	470.5	381.8	294.0	210.0	26.4
25°	689.4	688.5	679.8	662.8	628.7	569.1	483.4	385.1	288.5	198.2	21.9
27.5°	702.7	699.9	689.6	672.5	638.2	572.5	479.0	373.9	270.8	177.5	18.3
30°	718.6	716.5	706.2	688.5	648.0	569.3	463.2	349.1	242.6	150.9	13.6
32.5°	717.4	716.5	707.8	689.2	641.1	550.2	435.0	312.0	204.3	119.1	8.5
35°	708.2	705.4	694.4	665.6	601.7	501.1	381.4	261.7	161.7	88.9	5.5
37.5°	686.3	680.2	661.8	612.9	531.3	425.4	310.6	202.1	114.4	59.4	3.4
40°	628.5	620.8	583.7	524.6	439.2	335.1	231.1	139.0	75.5	36.3	1.4
42.5°	521.4	505.8	468.6	408.0	327.8	237.0	151.7	90.1	44.4	21.9	0.4
45°	387.3	375.3	336.4	281.4	214.8	152.0	91.9	48.7	24.5	13.4	0.2
47.5°	225.6	218.3	198.2	162.1	118.7	79.7	47.1	26.2	14.4	6.5	0.2
50°	118.1	108.9	93.7	71.0	52.3	36.7	22.9	14.0	7.1	2.0	0.2
52.5°	41.4	40.8	37.1	28.0	22.7	16.4	11.2	6.1	2.0	0.4	0.2
55°	5.9	5.9	5.5	6.1	6.5	5.9	3.9	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°	23.7	23.7	23.7	23.7	23.7
2.5°	23.5	18.9	15.0	13.2	12.6
5°	22.1	14.2	9.3	7.3	6.9
7.5°	19.7	10.1	5.7	4.1	3.9
10°	17.2	7.3	3.4	2.4	2.2
12.5°	14.4	5.1	2.2	1.4	1.2
15°	12.0	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°	4.1	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)