

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: P1335543

Luminaire Tested: P3A02R35B2750DE010 E3A301LI_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335543
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 E3A301LI_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , E3A301LI TRIM
Light Source: -
Ballast/Driver: -

Summary

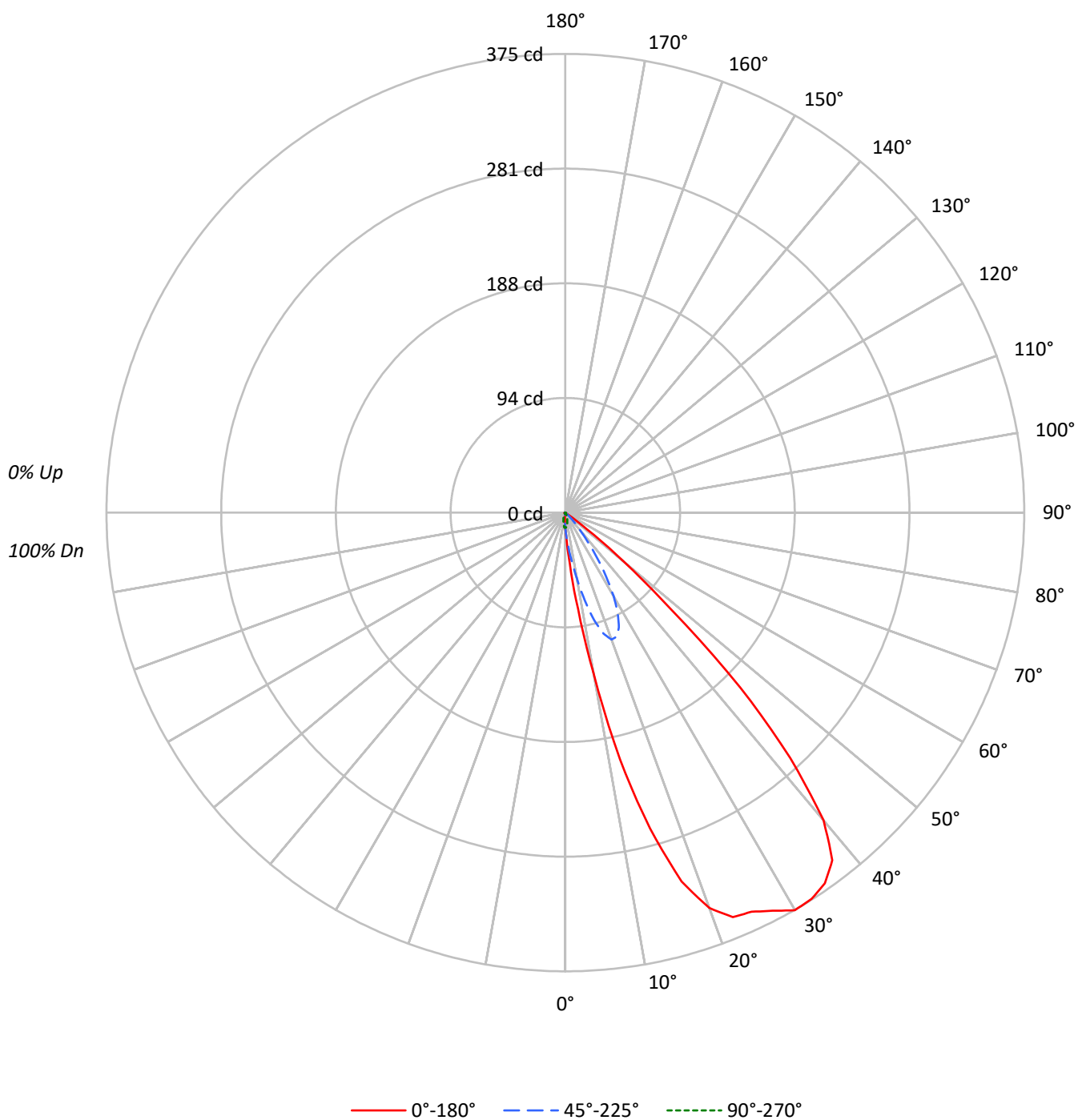
Lumens per Lamp: N/A
Luminaire Lumens: 117.9 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	75
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2719	2719	2719	2719	2719
5°	9267	6009	2531	1079	792
10°	29792	12202	2004	401	267
15°	60704	20681	1407	136	91
20°	80250	25762	910	47	47
25°	87078	25042	508	24	48
30°	95002	19952	203	25	51
35°	98993	12421	54	27	54
40°	93947	5439	29	57	86
45°	62704	2171	31	93	155
50°	21014	375	68	136	205
55°	1185	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	1.8
10°-20°	16.9	14.4
20°-30°	35.8	30.3
30°-40°	40.6	34.4
40°-50°	20.0	16.9
50°-60°	1.7	1.5
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.2	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°	54.9	46.5
0°-40°	95.4	80.9
0°-60°	117.1	99.3
0°-90°	117.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	117.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	27	12	5	4	7
15°	267	91	6	1	0	76
25°	360	104	2	0	0	167
35°	370	46	0	0	0	228
45°	202	7	0	0	0	149
55°	3	0	0	0	1	12
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	21.5	22.0	21.8	21.7	21.6	21.2	20.2	20.1	19.2	18.5	15.4
5°	42.1	41.2	41.4	40.3	38.8	36.6	35.3	32.3	29.9	27.3	17.9
7.5°	79.2	78.1	75.8	72.5	69.0	64.4	57.5	52.0	45.7	39.6	19.9
10°	133.8	133.1	130.3	121.6	114.0	101.8	90.4	78.3	66.4	54.8	21.3
12.5°	206.7	202.3	197.1	185.6	170.5	155.3	132.7	111.9	92.9	73.4	21.4
15°	267.4	264.6	257.3	242.2	224.1	202.1	175.3	147.2	118.6	91.1	20.3
17.5°	316.2	311.9	302.5	287.8	266.9	238.3	207.0	172.8	137.9	103.7	18.5
20°	343.9	341.7	334.5	319.8	297.0	265.8	230.1	190.2	150.0	110.4	16.2
22.5°	357.9	356.3	351.0	339.3	318.0	286.5	245.6	199.3	153.5	109.6	13.8
25°	359.9	359.5	355.0	346.1	328.3	297.1	252.4	201.0	150.6	103.5	11.4
27.5°	366.9	365.4	360.0	351.1	333.2	298.9	250.1	195.2	141.4	92.7	9.5
30°	375.2	374.1	368.7	359.5	338.3	297.2	241.8	182.3	126.7	78.8	7.1
32.5°	374.5	374.1	369.6	359.8	334.7	287.3	227.1	162.9	106.7	62.2	4.4
35°	369.8	368.3	362.6	347.5	314.2	261.6	199.1	136.6	84.4	46.4	2.9
37.5°	358.3	355.2	345.5	320.0	277.4	222.1	162.2	105.5	59.7	31.0	1.8
40°	328.2	324.1	304.7	273.9	229.3	175.0	120.6	72.6	39.4	19.0	0.7
42.5°	272.2	264.1	244.7	213.0	171.2	123.7	79.2	47.0	23.2	11.4	0.2
45°	202.2	196.0	175.6	146.9	112.2	79.3	48.0	25.4	12.8	7.0	0.1
47.5°	117.8	114.0	103.5	84.6	62.0	41.6	24.6	13.7	7.5	3.4	0.1
50°	61.6	56.9	48.9	37.1	27.3	19.2	12.0	7.3	3.7	1.1	0.1
52.5°	21.6	21.3	19.4	14.6	11.9	8.6	5.8	3.2	1.1	0.2	0.1
55°	3.1	3.1	2.9	3.2	3.4	3.1	2.0	0.8	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
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°	12.4	12.4	12.4	12.4	12.4
2.5°	12.3	9.9	7.8	6.9	6.6
5°	11.5	7.4	4.9	3.8	3.6
7.5°	10.3	5.3	3.0	2.1	2.0
10°	9.0	3.8	1.8	1.3	1.2
12.5°	7.5	2.6	1.2	0.7	0.6
15°	6.2	1.8	0.6	0.5	0.4
17.5°	5.0	1.2	0.4	0.3	0.4
20°	3.9	0.7	0.2	0.2	0.2
22.5°	3.0	0.4	0.2	0.2	0.2
25°	2.1	0.2	0.1	0.1	0.2
27.5°	1.5	0.1	0.1	0.1	0.2
30°	0.8	0.1	0.1	0.1	0.2
32.5°	0.4	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)