

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: P1335529

Luminaire Tested: P3A02R35B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335529
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 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

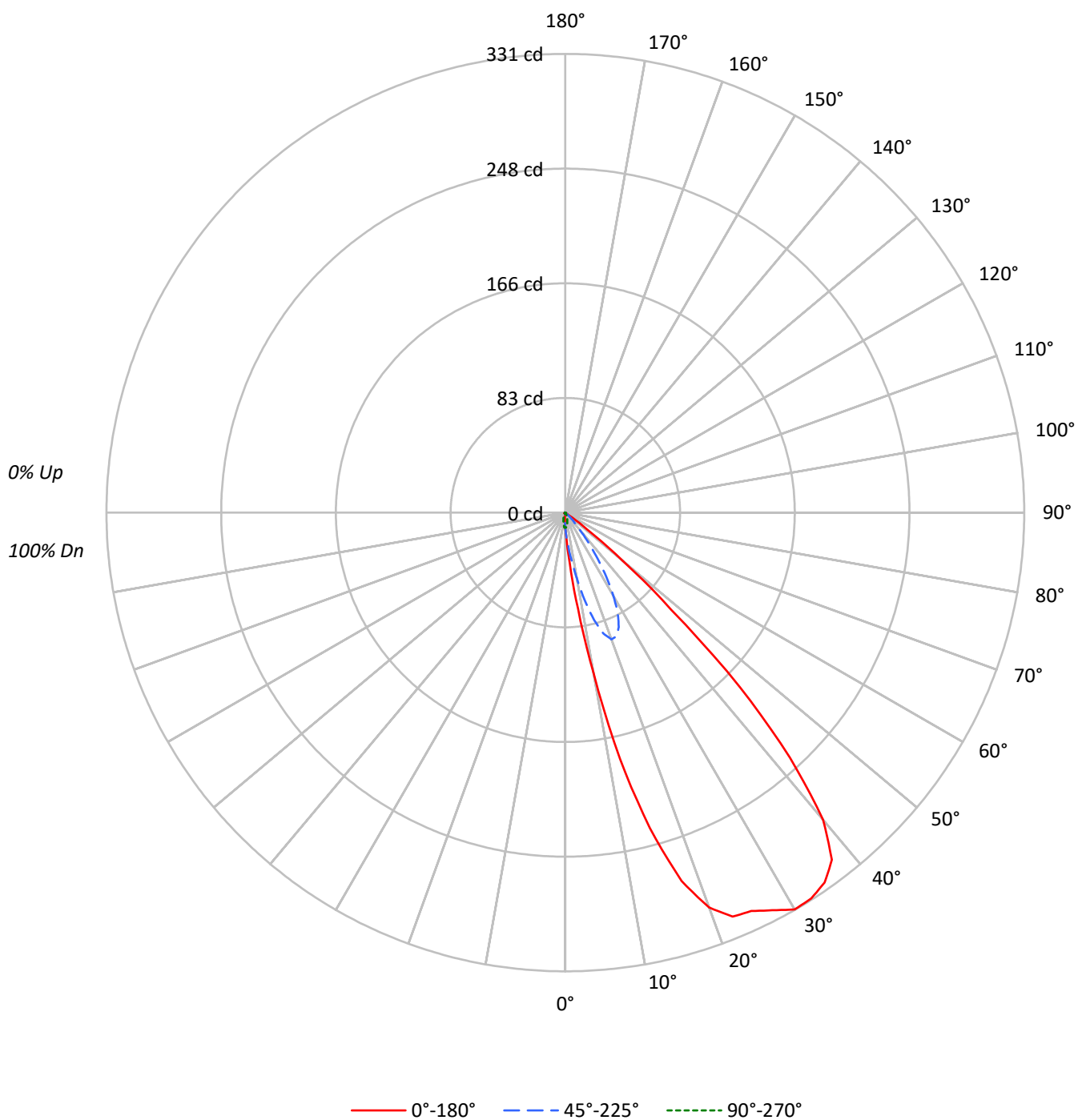
Lumens per Lamp: N/A
Luminaire Lumens: 104.1 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	86	84	83		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
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	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2390	2390	2390	2390	2390
5°	8166	5305	2245	947	704
10°	26252	10755	1759	356	223
15°	53485	18229	1249	136	91
20°	70729	22705	817	47	47
25°	76746	22066	460	24	48
30°	83734	17598	177	25	51
35°	87241	10949	54	27	54
40°	82784	4780	29	57	86
45°	55262	1923	31	93	155
50°	18524	307	68	136	205
55°	1032	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: 55262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	1.8
10°-20°	14.9	14.4
20°-30°	31.5	30.3
30°-40°	35.8	34.4
40°-50°	17.6	16.9
50°-60°	1.5	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°	48.4	46.5
0°-40°	84.1	80.8
0°-60°	103.3	99.2
0°-90°	104.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	37	24	10	4	3	6
15°	236	80	6	1	0	67
25°	317	91	2	0	0	148
35°	326	41	0	0	0	201
45°	178	6	0	0	0	132
55°	3	0	0	0	1	11
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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	19.0	19.4	19.2	19.1	19.0	18.7	17.8	17.7	16.9	16.3	13.5
5°	37.1	36.3	36.5	35.5	34.2	32.3	31.1	28.5	26.3	24.1	15.8
7.5°	69.8	68.8	66.8	63.9	60.8	56.8	50.7	45.8	40.2	34.9	17.6
10°	117.9	117.3	114.8	107.2	100.5	89.7	79.6	69.0	58.5	48.3	18.8
12.5°	182.1	178.3	173.7	163.6	150.3	136.9	117.0	98.6	81.9	64.7	18.9
15°	235.6	233.2	226.8	213.5	197.5	178.1	154.5	129.8	104.6	80.3	17.9
17.5°	278.7	274.9	266.6	253.7	235.3	210.1	182.4	152.3	121.6	91.4	16.3
20°	303.1	301.2	294.8	281.8	261.8	234.2	202.8	167.7	132.2	97.3	14.3
22.5°	315.5	314.1	309.4	299.0	280.3	252.5	216.5	175.7	135.3	96.6	12.1
25°	317.2	316.9	312.8	305.0	289.3	261.9	222.5	177.2	132.8	91.2	10.1
27.5°	323.4	322.1	317.3	309.5	293.7	263.5	220.4	172.1	124.6	81.7	8.4
30°	330.7	329.7	325.0	316.9	298.2	262.0	213.1	160.7	111.7	69.5	6.3
32.5°	330.1	329.7	325.7	317.1	295.0	253.2	200.2	143.6	94.0	54.8	3.9
35°	325.9	324.6	319.6	306.3	276.9	230.6	175.5	120.4	74.4	40.9	2.5
37.5°	315.8	313.0	304.5	282.0	244.5	195.8	142.9	93.0	52.7	27.4	1.6
40°	289.2	285.7	268.6	241.4	202.1	154.2	106.3	63.9	34.7	16.7	0.7
42.5°	239.9	232.7	215.7	187.7	150.9	109.0	69.8	41.5	20.4	10.1	0.2
45°	178.2	172.7	154.8	129.5	98.9	69.9	42.3	22.4	11.3	6.2	0.1
47.5°	103.8	100.5	91.2	74.6	54.6	36.7	21.7	12.0	6.6	3.0	0.1
50°	54.3	50.1	43.1	32.7	24.1	16.9	10.5	6.4	3.3	0.9	0.1
52.5°	19.0	18.8	17.1	12.9	10.5	7.6	5.1	2.8	0.9	0.2	0.1
55°	2.7	2.7	2.5	2.8	3.0	2.7	1.8	0.7	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°	10.9	10.9	10.9	10.9	10.9
2.5°	10.8	8.7	6.9	6.1	5.8
5°	10.2	6.5	4.3	3.4	3.2
7.5°	9.1	4.7	2.6	1.9	1.8
10°	7.9	3.4	1.6	1.1	1.0
12.5°	6.6	2.3	1.0	0.7	0.6
15°	5.5	1.6	0.6	0.5	0.4
17.5°	4.4	1.0	0.4	0.3	0.4
20°	3.5	0.7	0.2	0.2	0.2
22.5°	2.6	0.4	0.2	0.2	0.2
25°	1.9	0.2	0.1	0.1	0.2
27.5°	1.3	0.1	0.1	0.1	0.2
30°	0.7	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)