

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: P1335194

Luminaire Tested: P3A02R30B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R30B2750DE010 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

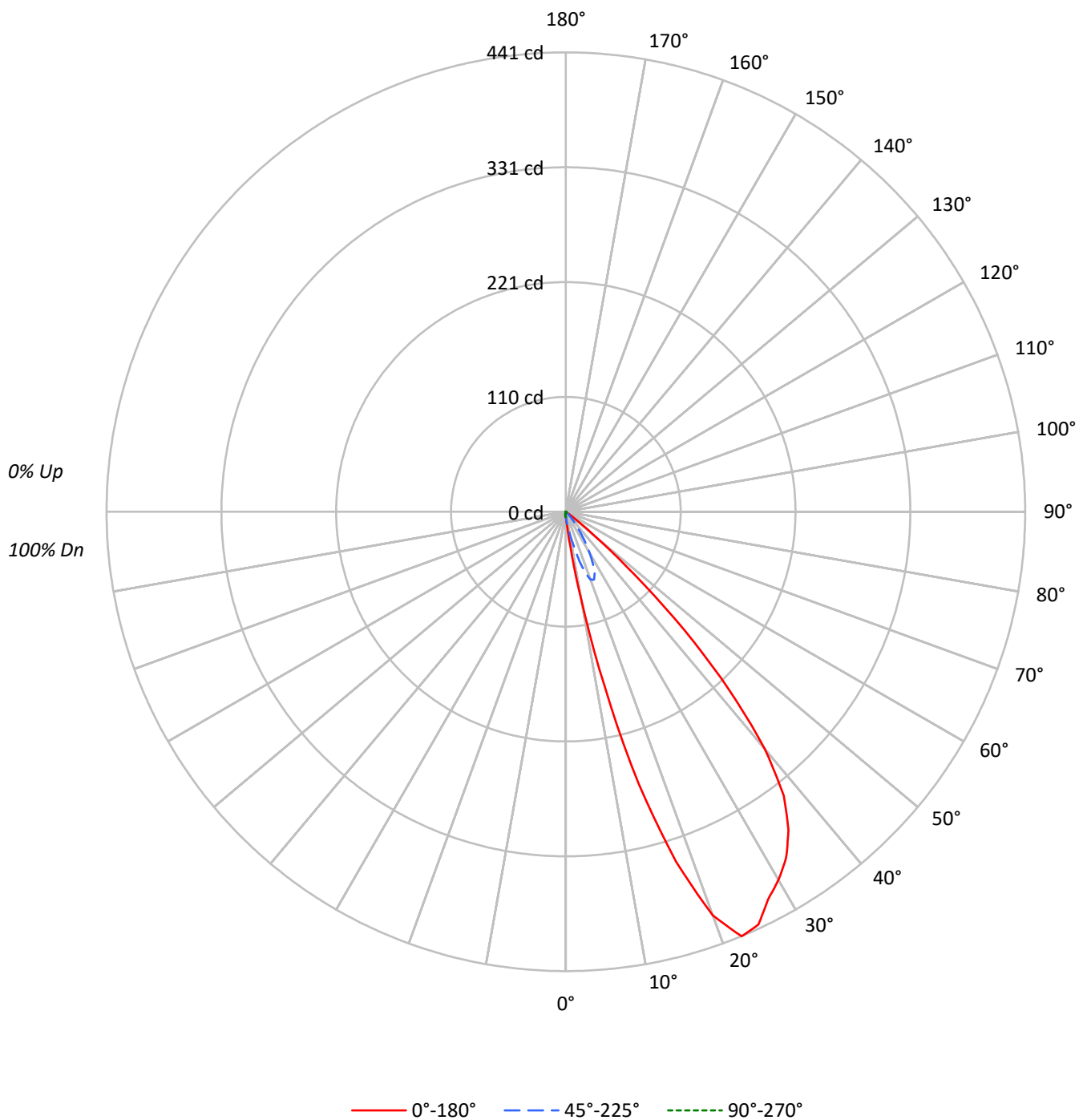
Lumens per Lamp: N/A
Luminaire Lumens: 104.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1074	1074	1074	1074	1074
5°	3258	2179	1035	462	374
10°	18904	4609	802	223	156
15°	61453	10465	568	45	23
20°	96188	16195	350	0	0
25°	105804	15823	194	0	0
30°	103358	11394	76	0	0
35°	99742	6478	27	0	0
40°	85074	2748	0	0	0
45°	49928	1023	31	0	31
50°	12110	205	34	34	102
55°	1070	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	14.3	13.7
20°-30°	36.3	34.9
30°-40°	36.2	34.8
40°-50°	14.7	14.1
50°-60°	1.0	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
80°-90°	0.1	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°	51.5	49.5
0°-40°	87.7	84.3
0°-60°	103.4	99.4
0°-90°	104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	15	10	5	2	2	3
15°	271	46	2	0	0	79
25°	437	65	1	0	0	197
35°	373	24	0	0	0	228
45°	161	3	0	0	0	123
55°	3	0	0	0	0	7
65°	0	0	0	0	0	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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	8.2	8.3	8.3	8.1	8.0	8.0	7.7	7.6	7.3	7.0	6.1
5°	14.8	14.5	14.2	14.2	13.3	12.8	12.2	11.4	10.8	9.9	7.0
7.5°	33.6	31.4	30.7	29.8	26.6	24.0	21.1	18.5	16.2	14.2	7.8
10°	84.9	80.4	76.7	69.2	59.8	50.7	42.4	32.7	26.0	20.7	8.4
12.5°	171.0	165.0	157.8	144.2	126.6	104.1	84.1	62.8	44.1	30.5	8.6
15°	270.7	260.6	249.5	232.1	203.3	171.0	134.9	101.0	70.8	46.1	8.4
17.5°	352.1	348.1	331.7	307.9	272.6	231.0	186.6	140.3	95.5	60.3	7.8
20°	412.2	409.4	389.5	364.3	324.5	276.8	220.5	164.8	112.7	69.4	6.9
22.5°	441.1	440.7	426.3	400.5	358.4	304.3	242.2	178.9	118.0	70.6	5.8
25°	437.3	439.0	430.9	411.7	371.3	315.6	248.7	178.9	114.1	65.4	4.8
27.5°	420.0	421.2	416.1	401.3	363.7	307.4	239.7	167.4	102.8	56.2	4.0
30°	408.2	408.6	402.3	386.5	346.6	288.8	218.4	146.2	85.7	45.0	2.9
32.5°	393.7	393.6	386.2	368.2	324.2	262.7	191.4	120.8	65.9	34.2	1.7
35°	372.6	370.2	360.2	339.4	290.7	227.5	156.9	92.0	47.4	24.2	1.0
37.5°	343.6	337.5	323.2	295.4	243.8	178.4	116.3	64.6	32.4	16.1	0.7
40°	297.2	290.6	271.2	237.4	184.4	128.4	78.4	42.1	20.4	9.6	0.4
42.5°	233.0	228.6	202.4	168.7	121.7	81.9	47.1	24.9	11.5	5.5	0.1
45°	161.0	155.2	134.7	106.1	73.1	45.4	26.4	13.0	6.6	3.3	0.0
47.5°	88.9	81.7	69.8	54.9	36.8	23.9	13.3	7.0	3.7	1.6	0.0
50°	35.5	35.3	28.0	20.0	14.1	10.8	6.7	3.8	1.9	0.6	0.1
52.5°	12.4	12.4	10.7	8.7	6.8	4.9	3.3	1.8	0.7	0.2	0.1
55°	2.8	3.0	2.9	2.7	2.6	2.2	1.4	0.7	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	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°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	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°	4.9	4.9	4.9	4.9	4.9
2.5°	4.9	3.9	3.2	2.9	2.8
5°	4.7	2.9	2.1	1.8	1.7
7.5°	4.2	2.2	1.4	1.1	1.0
10°	3.6	1.6	1.0	0.7	0.7
12.5°	3.0	1.2	0.6	0.3	0.2
15°	2.5	0.8	0.2	0.1	0.1
17.5°	1.9	0.5	0.0	0.0	0.0
20°	1.5	0.2	0.0	0.0	0.0
22.5°	1.1	0.1	0.0	0.0	0.0
25°	0.8	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)