

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: P1335197

Luminaire Tested: P3A02R30B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335197
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

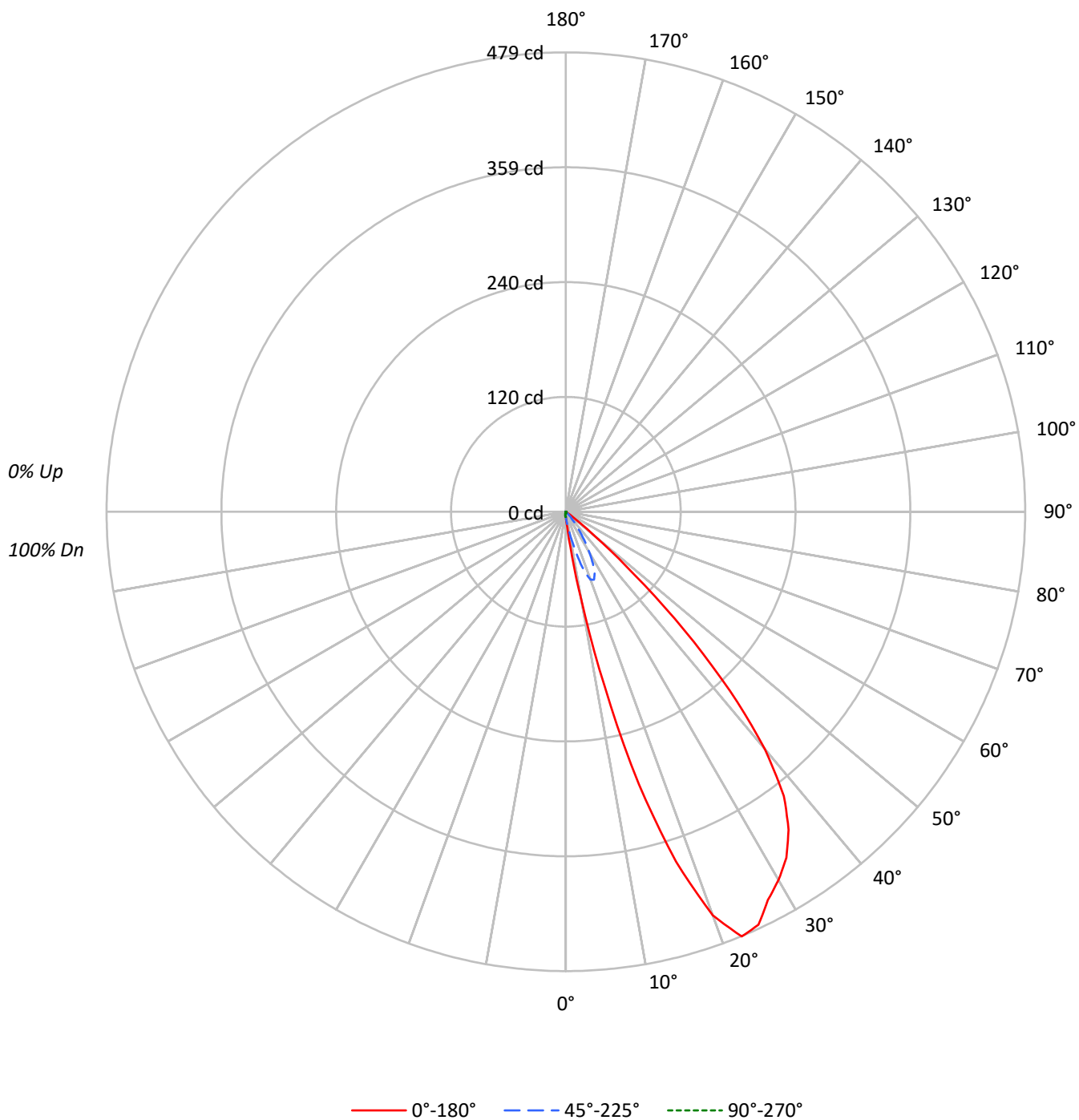
Lumens per Lamp: N/A
Luminaire Lumens: 113.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1184	1184	1184	1184	1184
5°	3544	2355	1123	506	418
10°	20530	5010	868	223	156
15°	66788	11374	613	45	23
20°	104496	17595	397	0	0
25°	114974	17178	194	0	0
30°	112296	12382	76	0	0
35°	108389	7040	27	0	0
40°	92430	2977	0	0	0
45°	54238	1116	31	0	31
50°	13168	205	34	34	102
55°	1147	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: 54238 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	15.5	13.7
20°-30°	39.5	34.9
30°-40°	39.3	34.8
40°-50°	15.9	14.1
50°-60°	1.1	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°	56.0	49.6
0°-40°	95.3	84.4
0°-60°	112.3	99.5
0°-90°	113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	113.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	16	11	5	2	2	4
15°	294	50	3	0	0	86
25°	475	71	1	0	0	215
35°	405	26	0	0	0	248
45°	175	4	0	0	0	133
55°	3	0	0	0	0	8
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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	8.9	9.0	9.0	8.8	8.7	8.7	8.4	8.3	8.0	7.6	6.6
5°	16.1	15.8	15.4	15.4	14.5	13.9	13.2	12.4	11.8	10.7	7.6
7.5°	36.6	34.1	33.4	32.4	28.9	26.1	22.9	20.1	17.6	15.4	8.5
10°	92.2	87.4	83.3	75.2	64.9	55.1	46.1	35.5	28.3	22.5	9.1
12.5°	185.8	179.3	171.5	156.6	137.5	113.1	91.4	68.3	47.9	33.1	9.3
15°	294.2	283.1	271.0	252.2	220.9	185.8	146.6	109.8	76.9	50.1	9.1
17.5°	382.6	378.2	360.4	334.5	296.2	251.0	202.8	152.4	103.8	65.6	8.5
20°	447.8	444.8	423.2	395.8	352.6	300.8	239.6	179.0	122.5	75.4	7.5
22.5°	479.3	478.8	463.2	435.1	389.4	330.6	263.2	194.4	128.2	76.7	6.3
25°	475.2	477.0	468.2	447.3	403.4	342.9	270.2	194.4	124.0	71.0	5.3
27.5°	456.4	457.6	452.1	436.1	395.2	334.0	260.4	181.9	111.7	61.0	4.3
30°	443.5	444.0	437.1	419.9	376.6	313.8	237.3	158.8	93.1	48.9	3.2
32.5°	427.8	427.7	419.6	400.0	352.2	285.4	208.0	131.2	71.6	37.2	1.9
35°	404.9	402.3	391.3	368.7	315.9	247.2	170.5	100.0	51.5	26.3	1.1
37.5°	373.4	366.7	351.2	320.9	264.9	193.8	126.4	70.2	35.2	17.5	0.7
40°	322.9	315.8	294.7	257.9	200.3	139.5	85.2	45.7	22.2	10.4	0.4
42.5°	253.2	248.3	219.9	183.3	132.3	89.0	51.2	27.1	12.5	6.0	0.1
45°	174.9	168.6	146.3	115.2	79.4	49.4	28.7	14.1	7.1	3.6	0.0
47.5°	96.5	88.8	75.9	59.7	40.0	25.9	14.5	7.6	4.0	1.8	0.0
50°	38.6	38.3	30.5	21.7	15.3	11.8	7.2	4.1	2.1	0.6	0.1
52.5°	13.5	13.5	11.7	9.5	7.4	5.4	3.6	2.0	0.7	0.2	0.1
55°	3.0	3.3	3.1	2.9	2.8	2.4	1.5	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°	5.4	5.4	5.4	5.4	5.4
2.5°	5.4	4.2	3.5	3.1	3.0
5°	5.1	3.2	2.3	2.0	1.9
7.5°	4.5	2.4	1.5	1.2	1.1
10°	3.9	1.8	1.0	0.7	0.7
12.5°	3.3	1.3	0.6	0.3	0.2
15°	2.7	0.8	0.2	0.1	0.1
17.5°	2.1	0.5	0.0	0.0	0.0
20°	1.7	0.2	0.0	0.0	0.0
22.5°	1.2	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)