

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: P1338060

Luminaire Tested: P3A05R30B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338060
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: P3A05R30B2750DE010 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

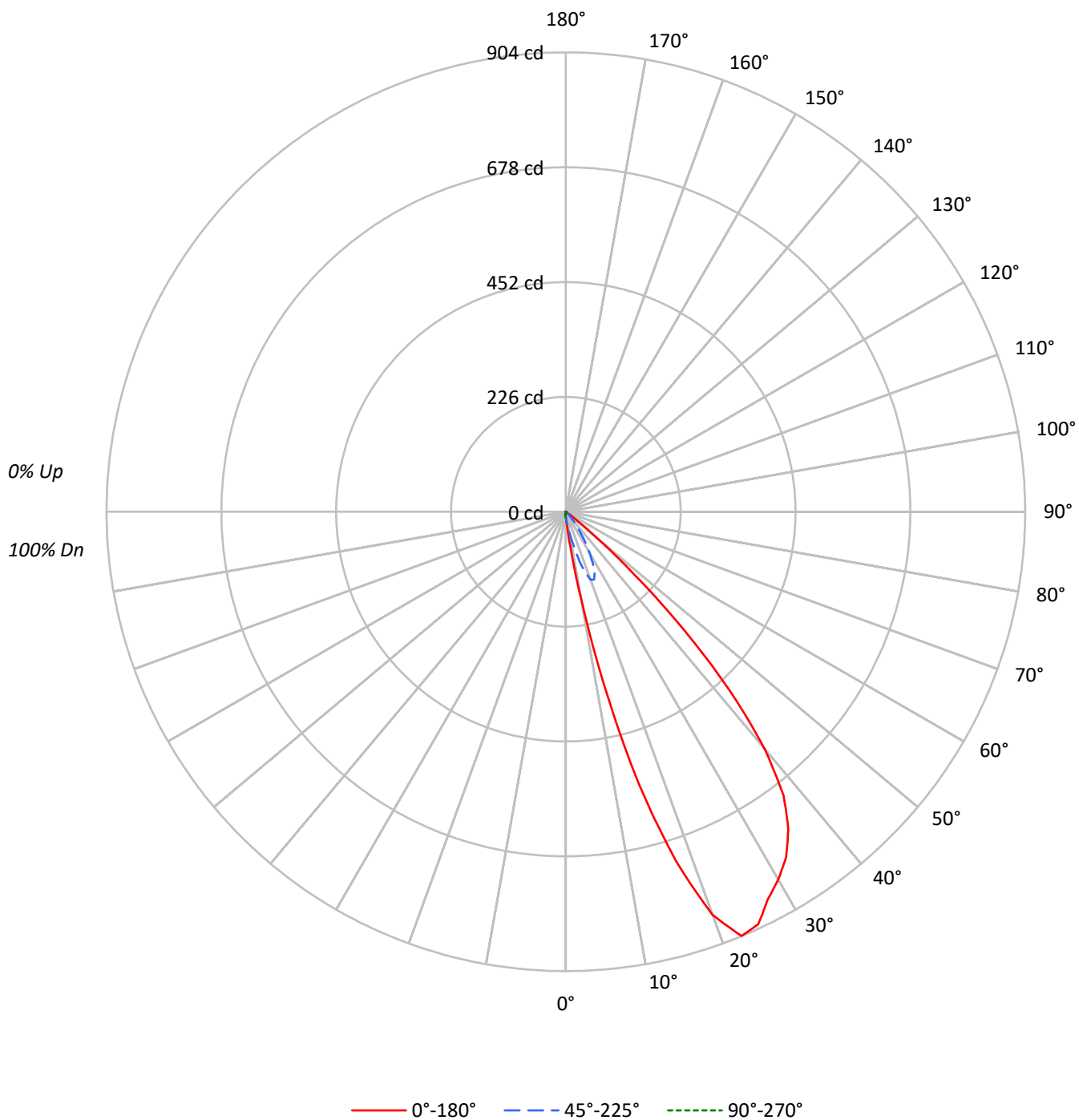
Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	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	66	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°	2215	2215	2215	2215	2215
5°	6692	4446	2091	947	770
10°	38699	9441	1648	423	312
15°	125880	21430	1158	91	45
20°	196974	33160	723	0	0
25°	216714	32397	387	0	0
30°	211653	23371	152	0	0
35°	204303	13278	54	0	0
40°	174212	5639	0	0	0
45°	102243	2109	62	0	62
50°	24835	409	68	68	205
55°	2141	0	153	229	306
60°	88	0	175	263	439
65°	104	104	311	311	519
70°	128	128	385	385	513
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 102243 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	29.3	13.7
20°-30°	74.4	34.9
30°-40°	74.2	34.8
40°-50°	30.0	14.1
50°-60°	2.1	1.0
60°-70°	0.5	0.2
70°-80°	0.5	0.2
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°	105.5	49.5
0°-40°	179.7	84.3
0°-60°	211.8	99.4
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	30	20	10	4	4	7
15°	554	94	5	0	0	161
25°	896	134	2	0	0	404
35°	763	50	0	0	0	468
45°	330	7	0	0	0	252
55°	6	0	0	1	1	15
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°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
2.5°	16.7	16.9	16.9	16.5	16.3	16.3	15.8	15.6	15.0	14.4	12.5
5°	30.4	29.8	29.0	29.0	27.2	26.3	24.9	23.4	22.2	20.2	14.4
7.5°	68.9	64.2	62.9	61.1	54.5	49.2	43.2	38.0	33.1	29.0	16.0
10°	173.8	164.7	157.1	141.7	122.4	103.9	86.8	67.0	53.3	42.4	17.1
12.5°	350.1	337.9	323.3	295.3	259.3	213.1	172.3	128.7	90.3	62.5	17.5
15°	554.5	533.7	510.9	475.3	416.3	350.1	276.4	206.9	145.0	94.4	17.1
17.5°	721.1	712.9	679.3	630.6	558.4	473.2	382.3	287.3	195.6	123.6	16.0
20°	844.1	838.5	797.8	746.0	664.7	567.0	451.5	337.5	230.8	142.1	14.2
22.5°	903.5	902.5	873.1	820.2	734.0	623.2	496.1	366.5	241.7	144.6	11.9
25°	895.7	899.2	882.5	843.2	760.4	646.4	509.4	366.5	233.8	133.9	9.9
27.5°	860.3	862.6	852.1	821.9	744.9	629.6	490.9	342.9	210.6	115.0	8.2
30°	835.9	836.9	823.9	791.6	709.8	591.5	447.3	299.3	175.6	92.3	6.0
32.5°	806.4	806.2	791.0	754.0	663.9	538.0	392.0	247.4	134.9	70.1	3.5
35°	763.2	758.3	737.7	695.0	595.4	466.0	321.3	188.4	97.1	49.6	2.1
37.5°	703.8	691.1	661.9	604.9	499.2	365.3	238.2	132.4	66.4	32.9	1.4
40°	608.6	595.2	555.5	486.2	377.6	262.9	160.6	86.2	41.8	19.7	0.8
42.5°	477.2	468.1	414.6	345.5	249.3	167.8	96.5	51.0	23.6	11.3	0.2
45°	329.7	317.8	275.8	217.2	149.7	93.0	54.1	26.7	13.4	6.8	0.0
47.5°	182.0	167.4	143.1	112.5	75.3	48.9	27.2	14.4	7.6	3.3	0.0
50°	72.8	72.2	57.4	40.9	28.8	22.2	13.6	7.8	3.9	1.2	0.2
52.5°	25.5	25.5	22.0	17.9	14.0	10.1	6.8	3.7	1.4	0.4	0.2
55°	5.6	6.2	5.8	5.4	5.3	4.5	2.9	1.4	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.8	1.0	1.0	0.8	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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°	10.1	10.1	10.1	10.1	10.1
2.5°	10.1	8.0	6.6	5.8	5.6
5°	9.5	6.0	4.3	3.7	3.5
7.5°	8.6	4.5	2.9	2.3	2.1
10°	7.4	3.3	1.9	1.4	1.4
12.5°	6.2	2.5	1.2	0.6	0.4
15°	5.1	1.6	0.4	0.2	0.2
17.5°	3.9	1.0	0.0	0.0	0.0
20°	3.1	0.4	0.0	0.0	0.0
22.5°	2.3	0.2	0.0	0.0	0.0
25°	1.6	0.0	0.0	0.0	0.0
27.5°	1.0	0.0	0.0	0.0	0.0
30°	0.6	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.8	0.8
57.5°	0.4	0.4	0.6	0.8	0.8
60°	0.4	0.4	0.6	0.8	1.0
62.5°	0.6	0.6	0.6	0.8	0.8
65°	0.6	0.6	0.6	0.8	1.0
67.5°	0.6	0.6	0.6	0.8	1.0
70°	0.6	0.6	0.6	0.8	0.8
72.5°	0.8	0.6	0.6	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)