

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: P1338062

Luminaire Tested: P3A05R30B2750DE010 E3A301WMH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338062
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

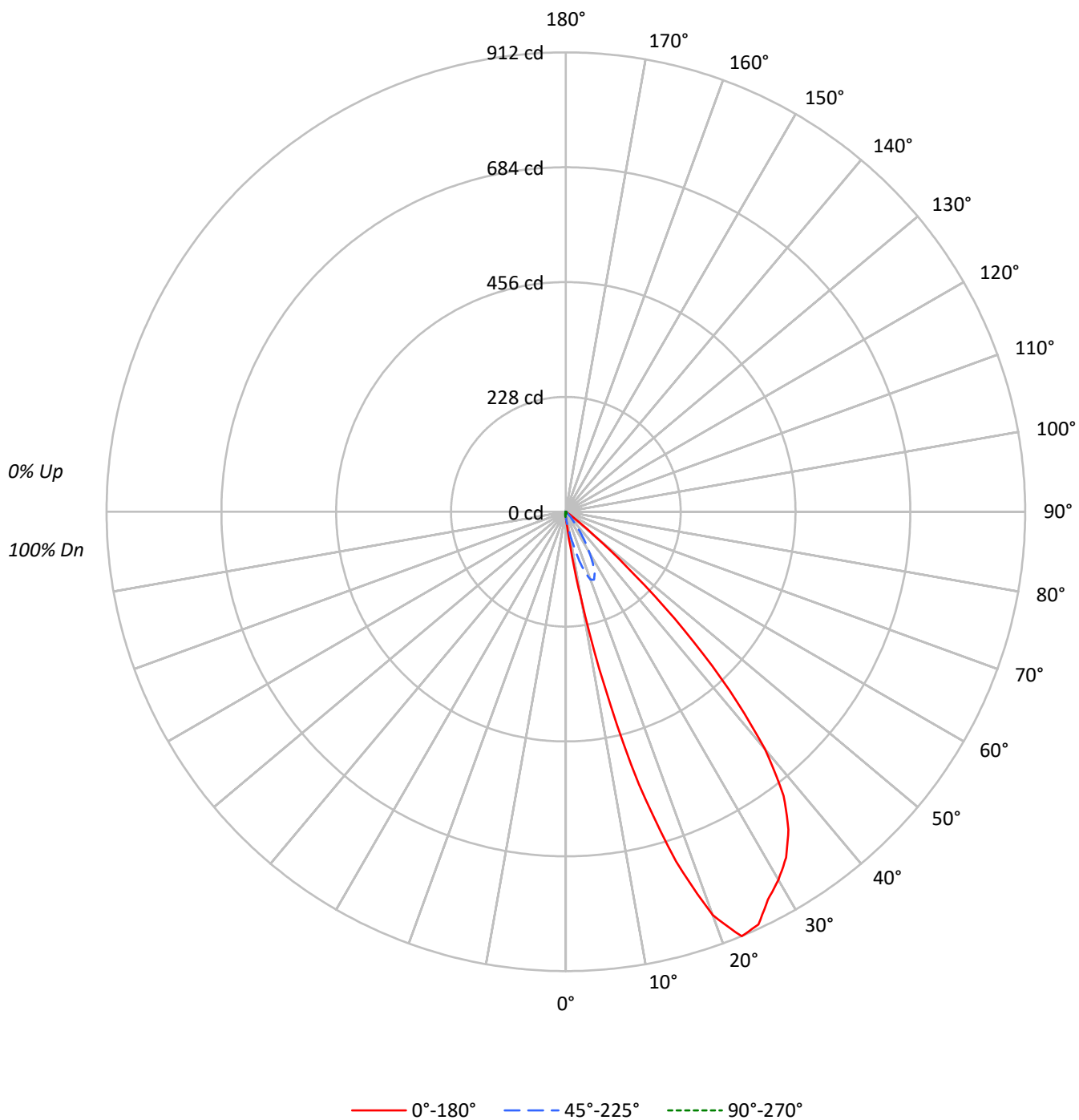
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	64	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°	2237	2237	2237	2237	2237
5°	6736	4490	2113	947	770
10°	39055	9530	1670	445	312
15°	127061	21635	1158	91	45
20°	198841	33463	723	0	0
25°	218747	32712	387	0	0
30°	213653	23573	152	0	0
35°	206203	13411	54	0	0
40°	175844	5668	0	0	0
45°	103205	2140	62	0	62
50°	25074	409	68	68	205
55°	2179	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: 103205 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	29.6	13.7
20°-30°	75.1	34.9
30°-40°	74.8	34.8
40°-50°	30.3	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°	106.5	49.5
0°-40°	181.4	84.3
0°-60°	213.8	99.4
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	31	20	10	4	4	7
15°	560	95	5	0	0	163
25°	904	135	2	0	0	408
35°	770	50	0	0	0	472
45°	333	7	0	0	0	254
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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	16.9	17.1	17.1	16.7	16.5	16.5	15.9	15.7	15.1	14.5	12.6
5°	30.6	30.1	29.3	29.3	27.5	26.5	25.1	23.6	22.4	20.4	14.5
7.5°	69.5	64.8	63.5	61.7	55.0	49.7	43.6	38.3	33.4	29.3	16.1
10°	175.4	166.2	158.5	143.0	123.6	104.9	87.6	67.6	53.8	42.8	17.3
12.5°	353.4	341.1	326.3	298.0	261.7	215.1	173.9	129.9	91.2	63.1	17.7
15°	559.7	538.7	515.7	479.8	420.2	353.4	279.0	208.8	146.4	95.3	17.3
17.5°	727.9	719.6	685.6	636.5	563.6	477.6	385.8	290.0	197.4	124.8	16.1
20°	852.1	846.4	805.3	753.0	670.9	572.3	455.8	340.7	233.0	143.4	14.3
22.5°	912.0	911.0	881.3	827.9	740.9	629.1	500.8	369.9	244.0	146.0	12.0
25°	904.1	907.6	890.8	851.1	767.6	652.4	514.1	369.9	235.9	135.2	10.0
27.5°	868.4	870.7	860.1	829.7	751.9	635.6	495.5	346.2	212.6	116.1	8.3
30°	843.8	844.8	831.6	799.0	716.5	597.0	451.5	302.2	177.2	93.1	6.1
32.5°	813.9	813.7	798.4	761.1	670.1	543.0	395.7	249.7	136.1	70.7	3.5
35°	770.3	765.4	744.6	701.6	601.0	470.3	324.4	190.2	98.0	50.1	2.2
37.5°	710.4	697.6	668.2	610.6	503.9	368.8	240.5	133.6	67.0	33.2	1.4
40°	614.3	600.8	560.7	490.8	381.1	265.4	162.1	87.0	42.2	19.8	0.8
42.5°	481.7	472.5	418.5	348.7	251.7	169.3	97.4	51.5	23.8	11.4	0.2
45°	332.8	320.8	278.4	219.3	151.1	93.9	54.6	26.9	13.6	6.9	0.0
47.5°	183.7	169.0	144.4	113.6	76.0	49.3	27.5	14.5	7.7	3.3	0.0
50°	73.5	72.9	58.0	41.3	29.1	22.4	13.8	7.9	3.9	1.2	0.2
52.5°	25.7	25.7	22.2	18.1	14.1	10.2	6.9	3.7	1.4	0.4	0.2
55°	5.7	6.3	5.9	5.5	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°	10.2	10.2	10.2	10.2	10.2
2.5°	10.2	8.1	6.7	5.9	5.7
5°	9.6	6.1	4.3	3.7	3.5
7.5°	8.6	4.5	2.9	2.4	2.2
10°	7.5	3.3	2.0	1.4	1.4
12.5°	6.3	2.6	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°	2.4	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)