

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: P1337554

Luminaire Tested: P3A05R25B2750DE010 E3A301WMH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R25B2750DE010 E3A301WMH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

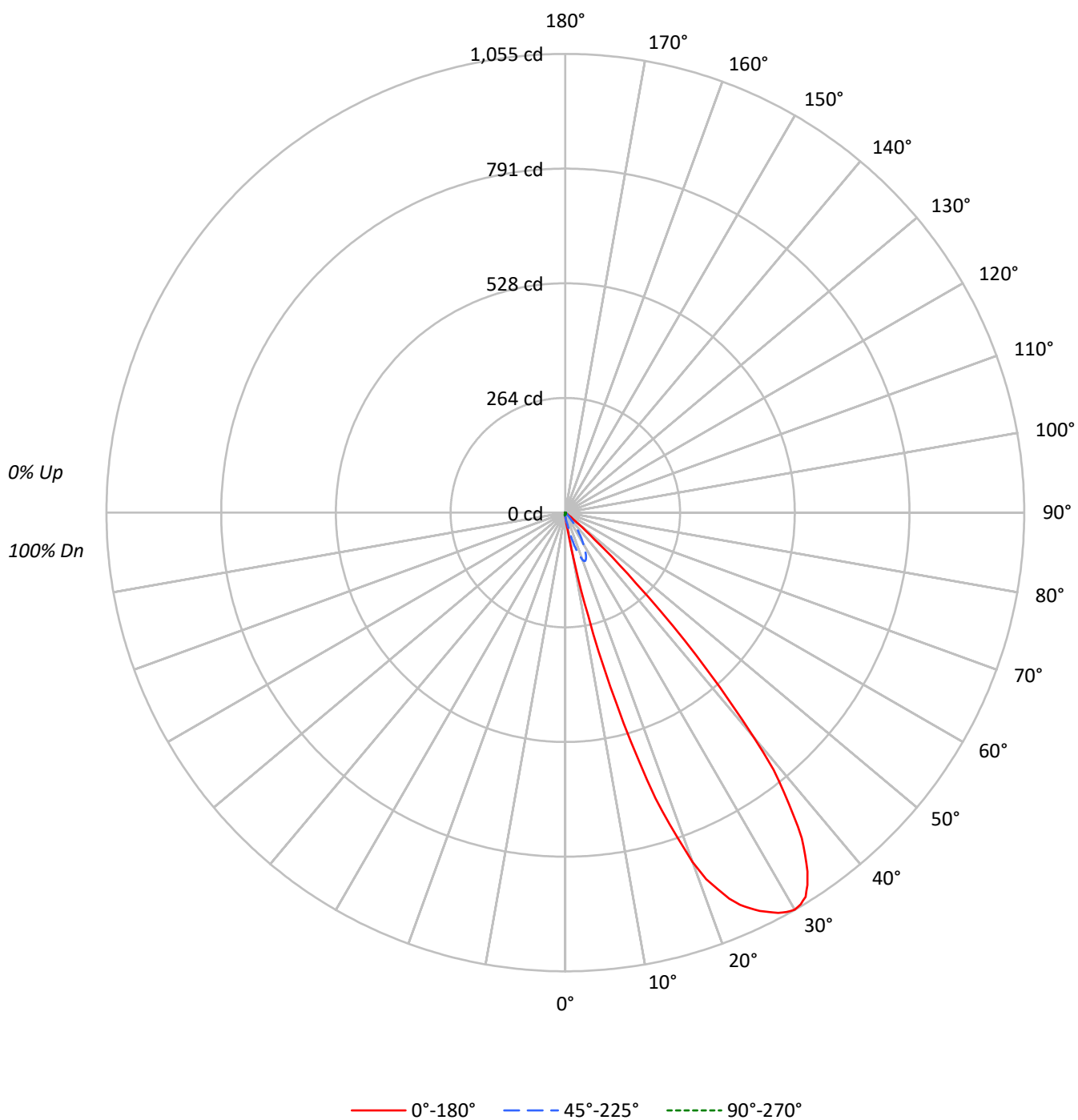
Lumens per Lamp: N/A
Luminaire Lumens: 211.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	88	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	79	70	63	58	68	62	58	67	61	57	65	60	57	55	
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50	
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45	
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41	
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1995	1995	1995	1995	1995
5°	4975	3676	1871	947	726
10°	21776	6279	1536	445	312
15°	103587	16890	1067	182	136
20°	199424	27069	700	47	47
25°	242869	27292	387	0	0
30°	267028	20889	152	0	0
35°	257333	13278	54	0	0
40°	192275	5754	0	0	57
45°	71170	1520	62	62	186
50°	8392	205	136	136	273
55°	841	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	623
70°	128	128	513	513	769
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	24.6	11.7
20°-30°	77.2	36.6
30°-40°	81.3	38.5
40°-50°	23.9	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
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°	103.1	48.9
0°-40°	184.4	87.4
0°-60°	209.6	99.3
0°-90°	211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	23	17	8	4	3	4
15°	456	74	5	1	1	144
25°	1004	113	2	0	0	460
35°	961	50	0	0	0	580
45°	230	5	0	0	1	209
55°	2	0	0	1	1	6
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°	45°	67.5°	90°	112.5°
0°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
2.5°	14.0	14.2	13.6	14.0	13.6	13.4	13.2	12.2	10.6	9.1	7.5
5°	22.6	22.6	21.7	21.5	21.1	20.3	19.5	16.7	12.0	8.5	5.9
7.5°	35.4	35.2	34.8	33.9	31.9	29.9	28.0	21.9	13.2	7.9	4.5
10°	97.8	96.5	94.7	84.1	72.1	61.4	52.2	28.2	14.2	6.9	3.3
12.5°	243.1	235.3	216.6	195.3	168.1	139.6	111.6	45.9	14.6	5.7	2.4
15°	456.3	440.0	410.9	368.3	312.8	250.4	197.3	74.4	14.2	4.7	1.8
17.5°	689.0	673.3	632.9	568.4	486.7	390.8	296.7	98.6	13.2	3.9	1.2
20°	854.6	837.9	800.1	731.6	643.2	515.4	390.6	116.0	12.4	3.0	0.6
21°	903.0	886.3	846.3	780.2	687.3	559.1	420.7	118.9	11.8	2.6	0.4
22°	933.7	923.9	881.0	816.8	722.1	594.1	446.5	120.3	11.4	2.4	0.4
23°	964.6	949.9	909.7	842.0	748.7	620.1	465.6	119.3	11.0	2.0	0.2
24°	987.5	975.1	928.4	861.5	767.2	636.1	476.8	116.7	10.4	1.8	0.2
25°	1003.8	992.4	943.8	874.7	779.6	644.7	480.4	112.8	9.8	1.6	0.2
26°	1019.4	1007.0	956.6	882.4	786.1	647.5	477.0	108.5	9.3	1.4	0.0
27°	1030.6	1018.0	965.4	886.9	786.5	644.1	467.9	102.6	8.7	1.2	0.0
28°	1042.6	1028.0	971.5	889.4	784.1	636.3	455.0	96.3	8.3	1.0	0.0
29°	1049.9	1036.1	977.8	892.2	779.2	623.1	436.1	88.8	7.3	0.6	0.0
30°	1054.6	1038.3	977.2	889.2	772.7	608.9	413.4	82.5	6.3	0.6	0.0
31°	1050.7	1033.5	970.9	881.0	762.3	590.4	390.2	74.6	5.1	0.4	0.0
32°	1042.2	1021.9	959.9	866.6	743.6	566.6	366.2	68.1	3.7	0.4	0.0
33°	1021.5	1004.4	940.0	847.3	719.2	534.3	334.9	61.8	2.6	0.2	0.0
34°	995.5	978.4	912.9	821.5	686.5	492.6	296.9	55.3	2.2	0.2	0.0
35°	961.3	944.4	882.2	785.5	643.2	442.4	257.7	49.6	1.8	0.2	0.0
36°	925.3	902.8	843.4	747.1	585.1	385.3	215.8	43.1	1.4	0.2	0.0
37°	872.3	857.2	791.2	688.6	522.3	330.5	185.3	37.2	1.0	0.2	0.0
38°	817.4	803.4	739.0	629.8	452.2	276.4	155.1	31.5	0.8	0.0	0.0
39°	760.7	737.5	673.9	554.4	378.8	231.5	130.5	26.4	0.4	0.0	0.0
40°	671.7	654.0	586.1	463.8	313.4	187.6	111.2	20.1	0.4	0.0	0.0
42.5°	445.3	428.8	357.5	251.6	166.5	109.7	73.4	7.9	0.0	0.2	0.0
45°	229.5	219.1	178.0	131.7	94.5	67.3	47.2	4.9	0.0	0.2	0.2
47.5°	91.1	89.4	80.7	69.7	53.7	40.0	25.8	2.2	0.0	0.2	0.2
50°	24.6	24.8	23.2	21.5	19.5	18.3	10.8	0.6	0.0	0.4	0.2
52.5°	10.4	10.6	10.2	9.6	8.7	6.5	4.3	0.2	0.2	0.4	0.4
55°	2.2	2.4	2.6	2.8	3.1	2.8	1.8	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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):

	135°	157.5°	180°
0°	9.1	9.1	9.1
2.5°	6.3	5.7	5.5
5°	4.3	3.7	3.3
7.5°	3.0	2.4	2.2
10°	2.0	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)