

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: P1337556

Luminaire Tested: P3A05R25B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337556
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

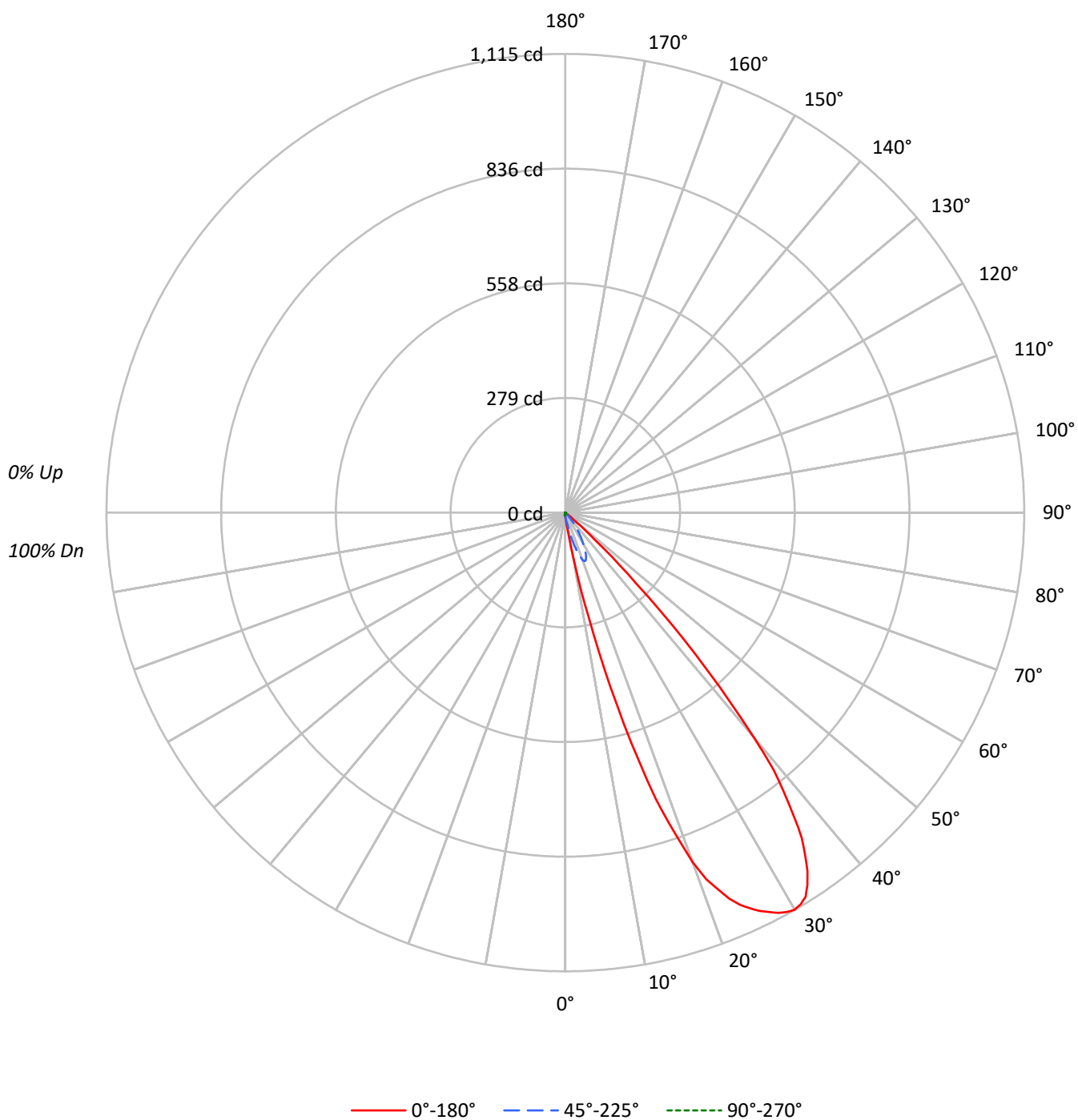
Lumens per Lamp: N/A
Luminaire Lumens: 222.9 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	104	98	94	91	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	61	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	70	59	52	47	58	52	47	57	51	47	56	51	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°	2105	2105	2105	2105	2105
5°	5261	3896	1959	1013	770
10°	23023	6635	1625	468	334
15°	109490	17843	1135	182	136
20°	210765	28586	723	47	47
25°	256684	28840	411	0	0
30°	282221	22079	152	0	0
35°	271975	14027	54	0	0
40°	203209	6069	0	0	57
45°	75233	1613	62	62	186
50°	8870	205	136	136	273
55°	879	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: 75233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	26.0	11.7
20°-30°	81.6	36.6
30°-40°	85.9	38.5
40°-50°	25.2	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
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°	109.0	48.9
0°-40°	194.9	87.4
0°-60°	221.5	99.3
0°-90°	222.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	24	18	9	5	4	4
15°	482	79	5	1	1	152
25°	1061	119	2	0	0	487
35°	1016	52	0	0	0	613
45°	243	5	0	0	1	220
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°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
2.5°	14.8	15.0	14.4	14.8	14.4	14.1	13.9	12.9	11.2	9.6	7.9
5°	23.9	23.9	22.9	22.7	22.3	21.4	20.6	17.7	12.7	8.9	6.2
7.5°	37.5	37.2	36.8	35.8	33.7	31.6	29.5	23.1	13.9	8.3	4.8
10°	103.4	102.0	100.1	88.8	76.2	64.9	55.1	29.8	15.0	7.3	3.5
12.5°	257.0	248.6	228.9	206.4	177.7	147.5	118.0	48.5	15.4	6.0	2.5
15°	482.3	465.0	434.2	389.3	330.6	264.7	208.5	78.6	15.0	5.0	1.9
17.5°	728.2	711.6	668.9	600.7	514.3	413.0	313.5	104.2	13.9	4.2	1.2
20°	903.2	885.5	845.6	773.2	679.7	544.7	412.8	122.5	13.1	3.1	0.6
21°	954.4	936.7	894.5	824.5	726.3	590.9	444.6	125.7	12.5	2.7	0.4
22°	986.8	976.4	931.1	863.2	763.2	627.9	471.9	127.1	12.1	2.5	0.4
23°	1019.5	1003.9	961.5	889.9	791.3	655.4	492.1	126.1	11.7	2.1	0.2
24°	1043.6	1030.5	981.2	910.5	810.8	672.2	503.9	123.4	11.0	1.9	0.2
25°	1060.9	1048.8	997.4	924.4	823.9	681.4	507.7	119.2	10.4	1.7	0.2
26°	1077.3	1064.2	1011.0	932.5	830.8	684.3	504.1	114.6	9.8	1.5	0.0
27°	1089.2	1075.9	1020.3	937.3	831.2	680.8	494.6	108.4	9.2	1.2	0.0
28°	1101.9	1086.5	1026.8	940.0	828.7	672.5	480.8	101.7	8.7	1.0	0.0
29°	1109.6	1095.0	1033.4	942.9	823.5	658.5	460.9	93.8	7.7	0.6	0.0
30°	1114.6	1097.3	1032.8	939.8	816.6	643.5	436.9	87.2	6.7	0.6	0.0
31°	1110.4	1092.3	1026.2	931.1	805.6	624.0	412.4	78.9	5.4	0.4	0.0
32°	1101.5	1080.0	1014.5	915.9	785.8	598.8	387.0	72.0	4.0	0.4	0.0
33°	1079.6	1061.5	993.5	895.5	760.0	564.7	353.9	65.3	2.7	0.2	0.0
34°	1052.2	1034.1	964.8	868.2	725.5	520.6	313.8	58.5	2.3	0.2	0.0
35°	1016.0	998.1	932.3	830.2	679.7	467.5	272.4	52.4	1.9	0.2	0.0
36°	977.9	954.2	891.3	789.6	618.4	407.2	228.0	45.6	1.5	0.2	0.0
37°	921.9	905.9	836.2	727.8	552.0	349.3	195.8	39.3	1.0	0.2	0.0
38°	863.9	849.1	781.1	665.6	477.9	292.1	164.0	33.3	0.8	0.0	0.0
39°	804.0	779.4	712.2	585.9	400.3	244.7	137.9	27.9	0.4	0.0	0.0
40°	709.9	691.2	619.4	490.2	331.2	198.3	117.6	21.2	0.4	0.0	0.0
42.5°	470.6	453.2	377.8	265.9	176.0	115.9	77.6	8.3	0.0	0.2	0.0
45°	242.6	231.6	188.1	139.2	99.9	71.2	49.9	5.2	0.0	0.2	0.2
47.5°	96.3	94.5	85.3	73.7	56.8	42.2	27.3	2.3	0.0	0.2	0.2
50°	26.0	26.2	24.6	22.7	20.6	19.3	11.4	0.6	0.0	0.4	0.2
52.5°	11.0	11.2	10.8	10.2	9.2	6.9	4.6	0.2	0.2	0.4	0.4
55°	2.3	2.5	2.7	2.9	3.3	2.9	1.9	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°	9.6	9.6	9.6
2.5°	6.7	6.0	5.8
5°	4.6	4.0	3.5
7.5°	3.1	2.5	2.3
10°	2.1	1.7	1.5
12.5°	1.5	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)