

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: P1337529

Luminaire Tested: P3A05R25B2750DE010 E3A301GPH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337529
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 E3A301GPH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

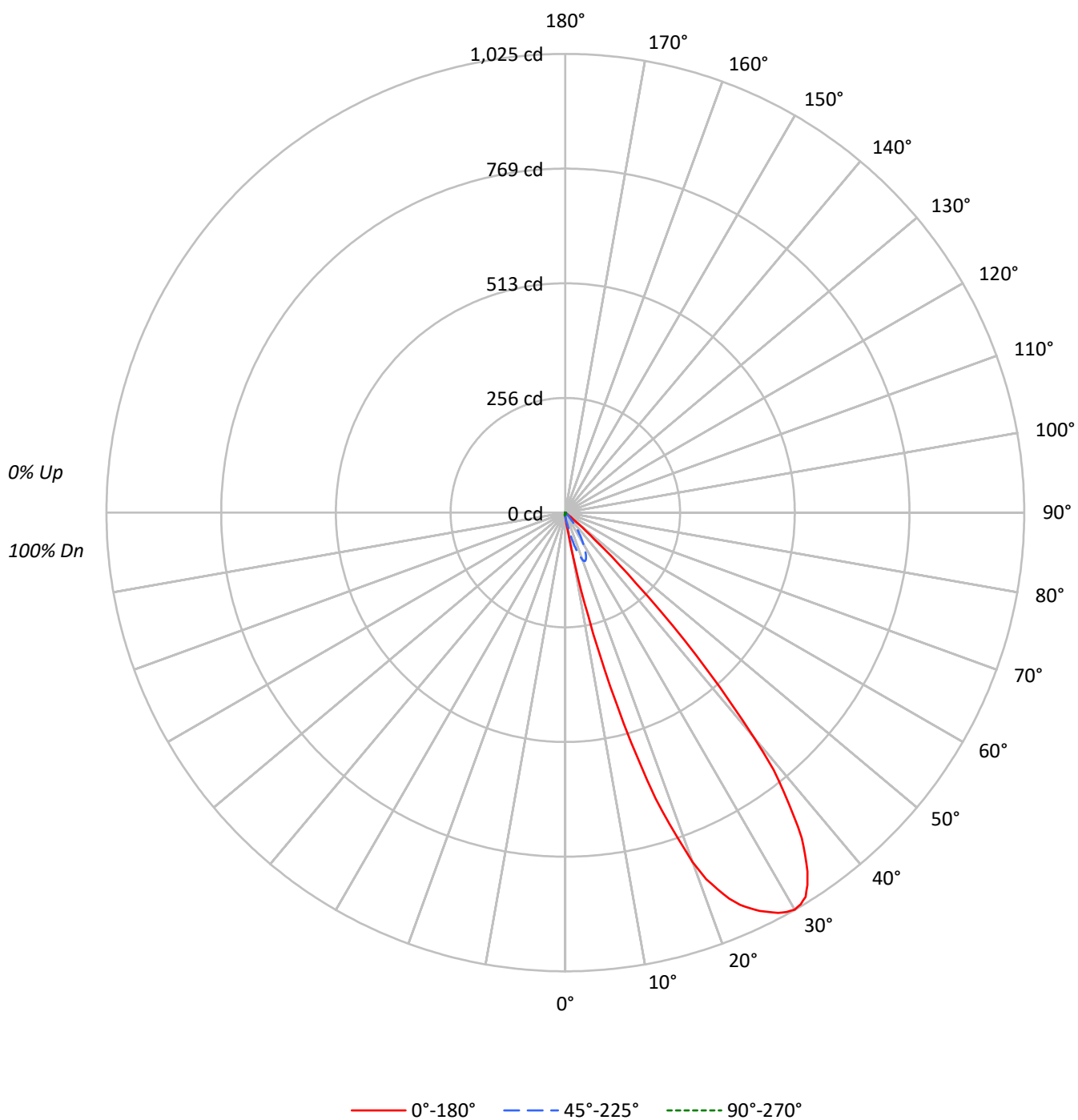
Lumens per Lamp: N/A
Luminaire Lumens: 205.1 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	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	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1930	1930	1930	1930	1930
5°	4843	3588	1805	924	726
10°	21175	6101	1492	423	289
15°	100659	16413	1044	182	136
20°	193754	26299	677	47	47
25°	235973	26518	363	0	0
30°	259432	20282	152	0	0
35°	250025	12903	54	0	0
40°	186807	5582	0	0	57
45°	69154	1489	62	62	186
50°	8153	205	136	136	273
55°	803	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	571
70°	128	128	513	513	705
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: 69154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	23.9	11.7
20°-30°	75.0	36.6
30°-40°	79.0	38.5
40°-50°	23.2	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°	100.2	48.9
0°-40°	179.2	87.4
0°-60°	203.6	99.3
0°-90°	205.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	443	72	5	1	1	140
25°	975	110	2	0	0	447
35°	934	48	0	0	0	564
45°	223	5	0	0	1	203
55°	2	0	0	1	1	5
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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	13.6	13.8	13.2	13.6	13.2	13.0	12.8	11.9	10.3	8.8	7.3
5°	22.0	22.0	21.0	20.8	20.5	19.7	18.9	16.3	11.7	8.2	5.7
7.5°	34.4	34.2	33.9	32.9	31.0	29.1	27.2	21.2	12.8	7.7	4.4
10°	95.1	93.7	92.0	81.7	70.0	59.7	50.7	27.4	13.8	6.7	3.3
12.5°	236.2	228.6	210.4	189.7	163.3	135.6	108.4	44.6	14.2	5.5	2.3
15°	443.4	427.5	399.2	357.9	303.9	243.3	191.7	72.3	13.8	4.6	1.7
17.5°	669.4	654.1	614.9	552.2	472.8	379.7	288.2	95.8	12.8	3.8	1.1
20°	830.3	814.0	777.3	710.8	624.9	500.7	379.5	112.7	12.0	2.9	0.6
21°	877.3	861.1	822.3	758.0	667.7	543.2	408.7	115.5	11.5	2.5	0.4
22°	907.2	897.6	855.9	793.6	701.6	577.2	433.8	116.9	11.1	2.3	0.4
23°	937.2	922.9	883.8	818.1	727.4	602.5	452.3	115.9	10.7	1.9	0.2
24°	959.4	947.3	902.0	837.0	745.4	618.0	463.3	113.4	10.1	1.7	0.2
25°	975.3	964.2	916.9	849.8	757.4	626.4	466.7	109.6	9.6	1.5	0.2
26°	990.4	978.3	929.4	857.3	763.7	629.1	463.4	105.4	9.0	1.3	0.0
27°	1001.3	989.0	938.0	861.7	764.1	625.8	454.6	99.7	8.4	1.1	0.0
28°	1013.0	998.8	943.9	864.1	761.8	618.2	442.0	93.5	8.0	1.0	0.0
29°	1020.0	1006.6	950.0	866.8	757.0	605.4	423.7	86.3	7.1	0.6	0.0
30°	1024.6	1008.7	949.5	864.0	750.7	591.6	401.7	80.1	6.1	0.6	0.0
31°	1020.8	1004.2	943.3	855.9	740.6	573.6	379.1	72.5	5.0	0.4	0.0
32°	1012.6	992.9	932.6	842.0	722.4	550.5	355.8	66.2	3.6	0.4	0.0
33°	992.5	975.8	913.3	823.2	698.7	519.1	325.3	60.1	2.5	0.2	0.0
34°	967.2	950.6	886.9	798.2	667.0	478.6	288.4	53.7	2.1	0.2	0.0
35°	934.0	917.5	857.1	763.2	624.9	429.8	250.4	48.2	1.7	0.2	0.0
36°	899.0	877.2	819.4	725.9	568.4	374.3	209.6	41.9	1.3	0.2	0.0
37°	847.5	832.8	768.7	669.1	507.4	321.1	180.0	36.1	1.0	0.2	0.0
38°	794.1	780.6	718.0	611.9	439.3	268.5	150.7	30.6	0.8	0.0	0.0
39°	739.1	716.5	654.7	538.6	368.0	224.9	126.8	25.6	0.4	0.0	0.0
40°	652.6	635.4	569.4	450.6	304.5	182.3	108.1	19.5	0.4	0.0	0.0
42.5°	432.6	416.6	347.3	244.4	161.8	106.5	71.3	7.7	0.0	0.2	0.0
45°	223.0	212.9	172.9	128.0	91.8	65.4	45.9	4.8	0.0	0.2	0.2
47.5°	88.6	86.8	78.4	67.7	52.2	38.8	25.1	2.1	0.0	0.2	0.2
50°	23.9	24.1	22.6	20.8	18.9	17.8	10.5	0.6	0.0	0.4	0.2
52.5°	10.1	10.3	9.9	9.4	8.4	6.3	4.2	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.5	2.7	3.1	2.7	1.7	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°	8.8	8.8	8.8
2.5°	6.1	5.5	5.4
5°	4.2	3.6	3.3
7.5°	2.9	2.3	2.1
10°	1.9	1.5	1.3
12.5°	1.3	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	1.1
60°	0.8	1.0	1.0
62.5°	0.8	1.1	1.1
65°	1.0	1.1	1.1
67.5°	1.0	1.1	1.1
70°	0.8	1.0	1.1
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)