

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: P1337530

Luminaire Tested: P3A05R25B2750DE010 E3A301GPH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337530
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

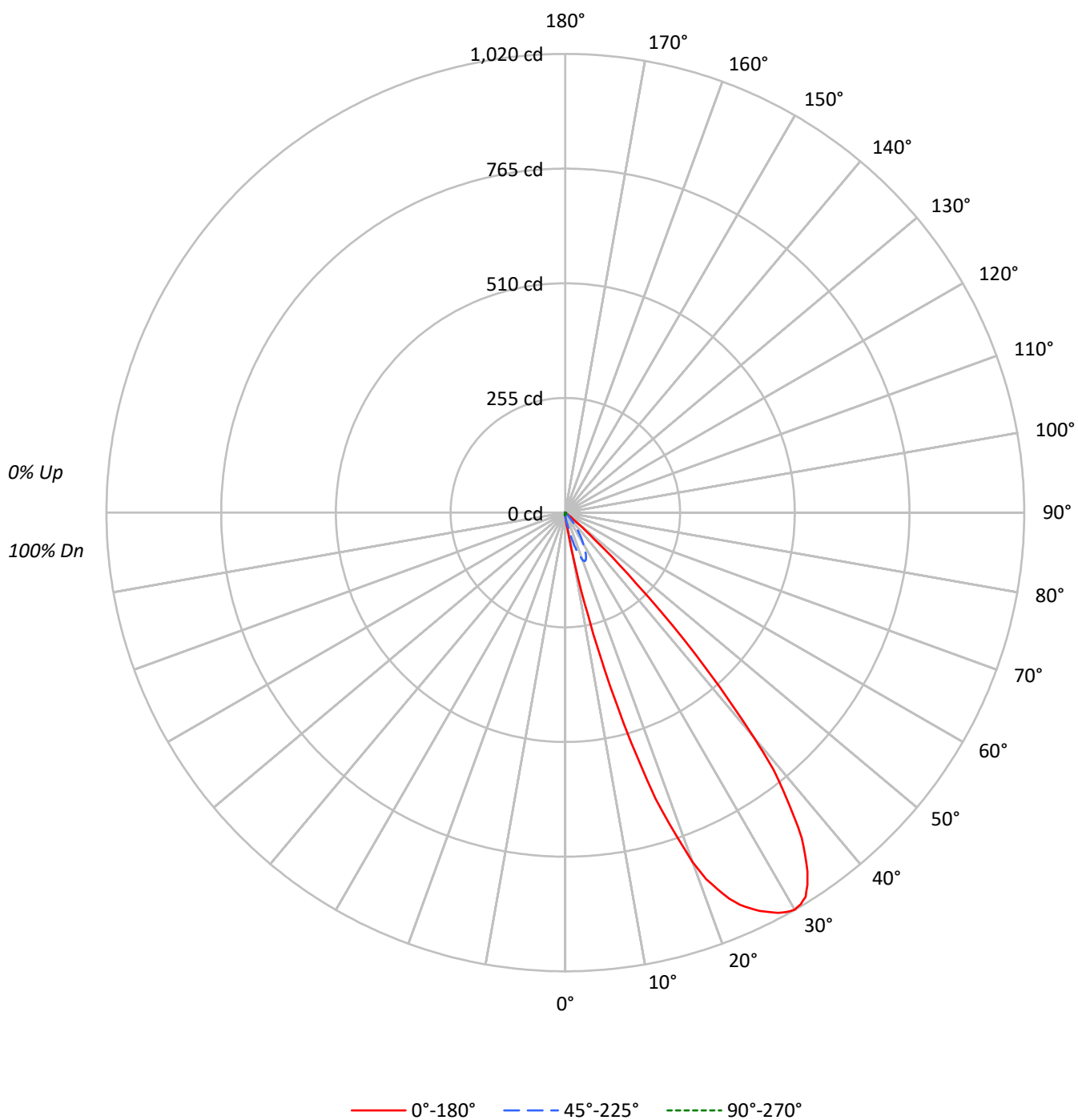
Lumens per Lamp: N/A
Luminaire Lumens: 204.1 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
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	51		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°	4821	3566	1805	924	704
10°	21064	6056	1492	423	289
15°	100159	16322	1044	182	136
20°	192797	26159	677	47	47
25°	234812	26397	363	0	0
30°	258166	20206	152	0	0
35°	248793	12849	54	0	0
40°	185891	5553	0	0	57
45°	68813	1489	62	62	186
50°	8119	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: 68813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	23.8	11.7
20°-30°	74.7	36.6
30°-40°	78.6	38.5
40°-50°	23.1	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°	99.7	48.9
0°-40°	178.3	87.4
0°-60°	202.6	99.3
0°-90°	204.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	441	72	5	1	1	139
25°	970	109	2	0	0	445
35°	929	48	0	0	0	561
45°	222	5	0	0	1	202
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°	13.5	13.7	13.1	13.5	13.1	12.9	12.8	11.8	10.3	8.8	7.2
5°	21.9	21.9	20.9	20.7	20.4	19.6	18.8	16.2	11.6	8.2	5.7
7.5°	34.3	34.1	33.7	32.7	30.8	28.9	27.0	21.1	12.8	7.6	4.4
10°	94.6	93.3	91.6	81.3	69.7	59.4	50.4	27.2	13.7	6.7	3.2
12.5°	235.1	227.4	209.4	188.8	162.5	134.9	107.9	44.3	14.1	5.5	2.3
15°	441.2	425.4	397.2	356.1	302.4	242.1	190.7	71.9	13.7	4.6	1.7
17.5°	666.2	650.9	611.9	549.5	470.5	377.8	286.8	95.4	12.8	3.8	1.1
20°	826.2	810.1	773.5	707.3	621.8	498.3	377.6	112.1	12.0	2.9	0.6
21°	873.1	856.9	818.2	754.3	664.5	540.6	406.7	115.0	11.4	2.5	0.4
22°	902.8	893.2	851.7	789.7	698.1	574.4	431.7	116.3	11.0	2.3	0.4
23°	932.6	918.4	879.5	814.1	723.8	599.6	450.1	115.3	10.7	1.9	0.2
24°	954.7	942.7	897.6	832.9	741.7	615.0	461.0	112.9	10.1	1.7	0.2
25°	970.5	959.5	912.5	845.7	753.7	623.3	464.4	109.1	9.5	1.5	0.2
26°	985.6	973.6	924.8	853.1	760.0	626.0	461.2	104.9	8.9	1.3	0.0
27°	996.4	984.2	933.4	857.5	760.4	622.8	452.4	99.2	8.4	1.1	0.0
28°	1008.0	993.9	939.3	859.9	758.1	615.2	439.9	93.1	8.0	1.0	0.0
29°	1015.1	1001.7	945.4	862.6	753.3	602.4	421.6	85.8	7.0	0.6	0.0
30°	1019.6	1003.8	944.8	859.7	747.1	588.7	399.7	79.8	6.1	0.6	0.0
31°	1015.8	999.3	938.7	851.7	737.0	570.8	377.2	72.1	4.9	0.4	0.0
32°	1007.6	988.0	928.1	837.9	718.9	547.8	354.0	65.9	3.6	0.4	0.0
33°	987.6	971.1	908.8	819.2	695.3	516.6	323.8	59.8	2.5	0.2	0.0
34°	962.5	946.0	882.6	794.3	663.7	476.2	287.0	53.5	2.1	0.2	0.0
35°	929.4	913.0	852.9	759.4	621.8	427.7	249.1	48.0	1.7	0.2	0.0
36°	894.6	872.9	815.4	722.3	565.7	372.5	208.6	41.7	1.3	0.2	0.0
37°	843.4	828.7	765.0	665.8	505.0	319.6	179.1	36.0	1.0	0.2	0.0
38°	790.3	776.8	714.5	608.9	437.2	267.2	150.0	30.5	0.8	0.0	0.0
39°	735.5	713.0	651.5	536.0	366.2	223.8	126.2	25.5	0.4	0.0	0.0
40°	649.4	632.3	566.6	448.4	303.0	181.4	107.5	19.4	0.4	0.0	0.0
42.5°	430.5	414.5	345.6	243.2	161.0	106.0	71.0	7.6	0.0	0.2	0.0
45°	221.9	211.8	172.1	127.3	91.4	65.1	45.7	4.8	0.0	0.2	0.2
47.5°	88.1	86.4	78.0	67.4	52.0	38.6	24.9	2.1	0.0	0.2	0.2
50°	23.8	24.0	22.5	20.7	18.8	17.7	10.5	0.6	0.0	0.4	0.2
52.5°	10.1	10.3	9.9	9.3	8.4	6.3	4.2	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.5	2.7	3.0	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	5.3
5°	4.2	3.6	3.2
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)