

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: P1345127

Luminaire Tested: P3A13R30B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345127
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: P3A13R30B2750DE010 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

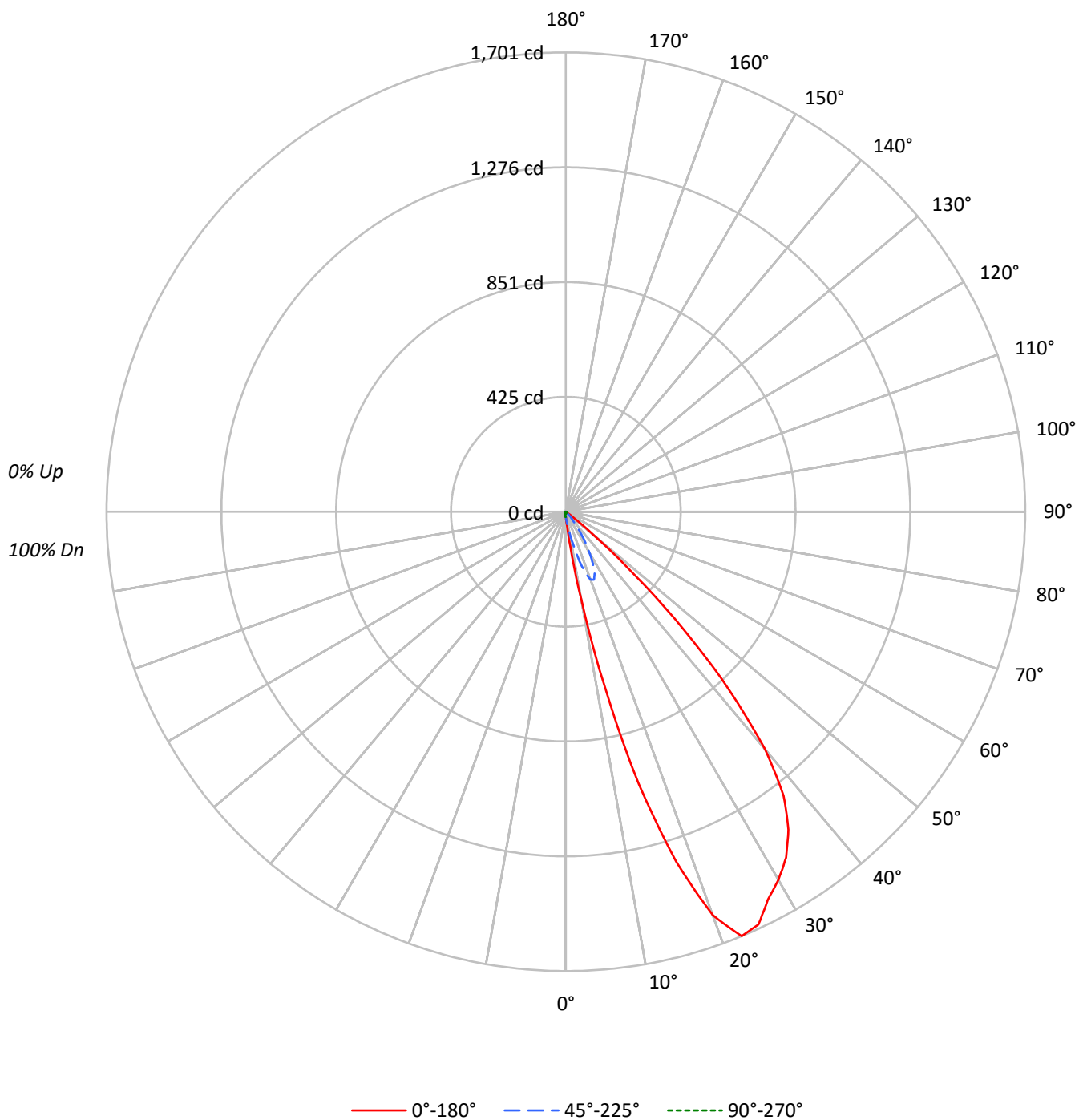
Lumens per Lamp: N/A
Luminaire Lumens: 401.0 lumens
Efficiency: N/A
Efficacy: 21.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	67	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°	4188	4188	4188	4188	4188
5°	12591	8387	3962	1783	1453
10°	72855	17791	3095	824	579
15°	236982	40341	2157	159	91
20°	370846	62422	1377	0	0
25°	407999	60995	702	0	0
30°	398492	43981	279	0	0
35°	384593	25002	107	0	0
40°	327986	10591	0	0	0
45°	192485	3969	124	0	124
50°	46736	751	136	136	375
55°	4052	0	268	421	573
60°	175	0	307	482	789
65°	208	208	571	571	934
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	884	884
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 192485 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.9
10°-20°	55.1	13.7
20°-30°	140.1	34.9
30°-40°	139.6	34.8
40°-50°	56.6	14.1
50°-60°	3.9	1.0
60°-70°	0.9	0.2
70°-80°	0.9	0.2
80°-90°	0.5	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°	198.7	49.5
0°-40°	338.3	84.4
0°-60°	398.7	99.4
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	57	38	18	8	7	13
15°	1044	178	10	1	0	304
25°	1686	252	3	0	0	761
35°	1437	93	0	0	0	881
45°	621	13	0	0	0	474
55°	11	0	1	1	2	28
65°	0	0	1	1	2	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°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	31.5	31.9	31.9	31.1	30.8	30.8	29.7	29.3	28.2	27.1	23.5
5°	57.2	56.1	54.6	54.6	51.3	49.5	46.9	44.0	41.8	38.1	27.1
7.5°	129.7	120.9	118.4	115.1	102.6	92.7	81.3	71.5	62.3	54.6	30.0
10°	327.2	310.0	295.7	266.8	230.5	195.7	163.4	126.0	100.4	79.9	32.2
12.5°	659.2	636.1	608.6	555.9	488.1	401.2	324.3	242.2	170.0	117.6	33.0
15°	1043.9	1004.7	961.9	894.8	783.8	659.2	520.3	389.5	273.0	177.7	32.2
17.5°	1357.6	1342.2	1278.8	1187.2	1051.3	890.8	719.7	540.8	368.3	232.7	30.0
20°	1589.2	1578.5	1502.0	1404.5	1251.3	1067.4	850.1	635.4	434.6	267.5	26.7
22.5°	1700.9	1699.1	1643.8	1544.1	1381.8	1173.3	934.0	690.0	455.1	272.3	22.4
25°	1686.3	1692.9	1661.4	1587.3	1431.6	1216.9	958.9	690.0	440.1	252.1	18.7
27.5°	1619.6	1624.0	1604.2	1547.4	1402.3	1185.4	924.1	645.6	396.5	216.6	15.4
30°	1573.8	1575.6	1551.1	1490.2	1336.3	1113.6	842.0	563.6	330.5	173.7	11.4
32.5°	1518.1	1517.7	1489.1	1419.5	1249.9	1012.8	738.0	465.7	253.9	131.9	6.6
35°	1436.7	1427.6	1388.7	1308.5	1120.9	877.2	605.0	354.7	182.8	93.4	4.0
37.5°	1325.0	1301.2	1246.2	1138.8	939.9	687.8	448.5	249.2	124.9	61.9	2.6
40°	1145.8	1120.5	1045.8	915.3	710.9	495.0	302.3	162.3	78.8	37.0	1.5
42.5°	898.5	881.2	780.5	650.4	469.4	315.9	181.7	96.0	44.3	21.3	0.4
45°	620.7	598.4	519.2	408.9	281.8	175.1	101.9	50.2	25.3	12.8	0.0
47.5°	342.6	315.1	269.3	211.8	141.8	92.0	51.3	27.1	14.3	6.2	0.0
50°	137.0	135.9	108.1	76.9	54.2	41.8	25.6	14.7	7.3	2.2	0.4
52.5°	48.0	48.0	41.4	33.7	26.4	19.1	12.8	7.0	2.6	0.7	0.4
55°	10.6	11.7	11.0	10.3	9.9	8.4	5.5	2.6	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.8	1.8	1.5	0.7	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	19.1	19.1	19.1	19.1	19.1
2.5°	19.1	15.0	12.5	11.0	10.6
5°	18.0	11.4	8.1	7.0	6.6
7.5°	16.1	8.4	5.5	4.4	4.0
10°	13.9	6.2	3.7	2.6	2.6
12.5°	11.7	4.8	2.2	1.1	0.7
15°	9.5	2.9	0.7	0.4	0.4
17.5°	7.3	1.8	0.0	0.0	0.0
20°	5.9	0.7	0.0	0.0	0.0
22.5°	4.4	0.4	0.0	0.0	0.0
25°	2.9	0.0	0.0	0.0	0.0
27.5°	1.8	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.5	1.5
57.5°	0.7	0.7	1.1	1.5	1.5
60°	0.7	0.7	1.1	1.5	1.8
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.8
67.5°	1.1	1.1	1.1	1.5	1.8
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)