

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: P1345128

Luminaire Tested: P3A13R30B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345128
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

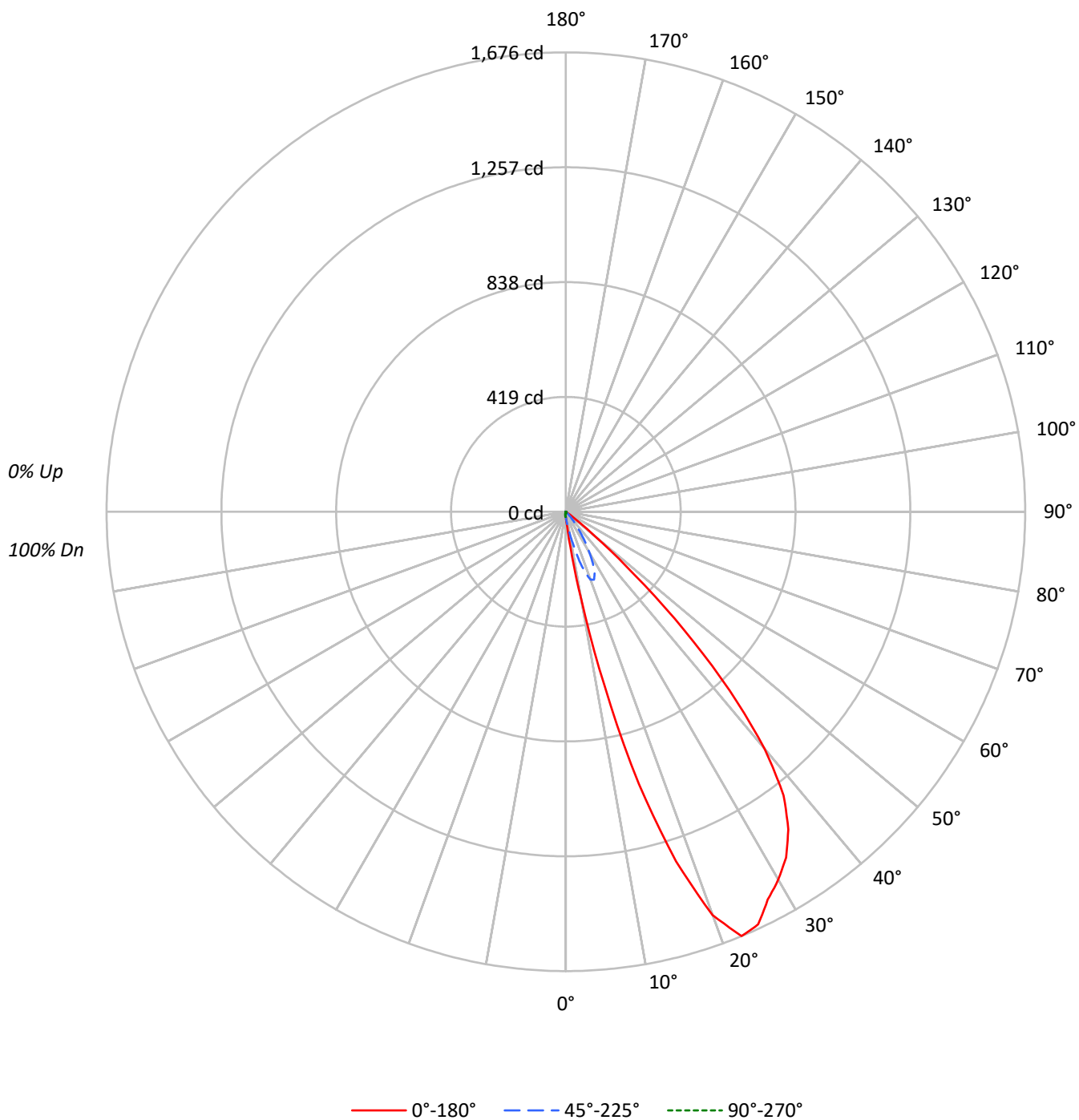
Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 20.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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°	4122	4122	4122	4122	4122
5°	12393	8254	3896	1739	1431
10°	71764	17524	3050	802	557
15°	233441	39751	2134	159	91
20°	365292	61489	1353	0	0
25°	401878	60076	702	0	0
30°	392516	43323	279	0	0
35°	378838	24628	107	0	0
40°	323091	10448	0	0	0
45°	189601	3907	124	0	124
50°	46054	751	136	136	375
55°	4014	0	268	421	535
60°	175	0	307	482	789
65°	208	208	571	571	934
70°	256	256	705	705	898
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: 189601 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.9
10°-20°	54.3	13.7
20°-30°	138.0	34.9
30°-40°	137.5	34.8
40°-50°	55.7	14.1
50°-60°	3.8	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°	195.7	49.5
0°-40°	333.2	84.3
0°-60°	392.8	99.4
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	56	38	18	8	6	13
15°	1028	175	9	1	0	299
25°	1661	248	3	0	0	750
35°	1415	92	0	0	0	868
45°	611	13	0	0	0	466
55°	10	0	1	1	1	27
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°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	31.0	31.4	31.4	30.7	30.3	30.3	29.2	28.9	27.8	26.7	23.1
5°	56.3	55.2	53.8	53.8	50.5	48.7	46.2	43.3	41.1	37.5	26.7
7.5°	127.8	119.1	116.6	113.3	101.1	91.3	80.1	70.4	61.4	53.8	29.6
10°	322.3	305.4	291.3	262.8	227.0	192.7	161.0	124.2	98.9	78.7	31.8
12.5°	649.3	626.6	599.5	547.5	480.8	395.2	319.4	238.6	167.5	115.9	32.5
15°	1028.3	989.7	947.5	881.4	772.0	649.3	512.5	383.7	268.9	175.1	31.8
17.5°	1337.3	1322.1	1259.7	1169.4	1035.5	877.4	708.9	532.7	362.7	229.2	29.6
20°	1565.4	1554.9	1479.5	1383.5	1232.6	1051.4	837.4	625.9	428.1	263.5	26.3
22.5°	1675.5	1673.7	1619.2	1521.0	1361.1	1155.7	920.0	679.6	448.3	268.2	22.0
25°	1661.0	1667.5	1636.5	1563.6	1410.2	1198.7	944.6	679.6	433.5	248.3	18.4
27.5°	1595.4	1599.7	1580.2	1524.2	1381.3	1167.6	910.3	636.0	390.5	213.3	15.2
30°	1550.2	1552.0	1527.9	1467.9	1316.3	1096.9	829.4	555.1	325.6	171.1	11.2
32.5°	1495.4	1495.0	1466.9	1398.3	1231.2	997.6	726.9	458.8	250.1	129.9	6.5
35°	1415.2	1406.2	1368.0	1288.9	1104.1	864.1	595.9	349.4	180.1	92.0	4.0
37.5°	1305.2	1281.7	1227.6	1121.8	925.8	677.5	441.8	245.4	123.1	61.0	2.5
40°	1128.7	1103.8	1030.1	901.6	700.2	487.6	297.8	159.9	77.6	36.5	1.4
42.5°	885.0	868.1	768.8	640.7	462.4	311.1	179.0	94.6	43.7	20.9	0.4
45°	611.4	589.4	511.5	402.8	277.6	172.5	100.3	49.4	24.9	12.6	0.0
47.5°	337.5	310.4	265.3	208.6	139.7	90.6	50.5	26.7	14.1	6.1	0.0
50°	135.0	133.9	106.5	75.8	53.4	41.1	25.3	14.4	7.2	2.2	0.4
52.5°	47.3	47.3	40.8	33.2	26.0	18.8	12.6	6.9	2.5	0.7	0.4
55°	10.5	11.6	10.8	10.1	9.7	8.3	5.4	2.5	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.4	1.8	1.8	1.4	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°	18.8	18.8	18.8	18.8	18.8
2.5°	18.8	14.8	12.3	10.8	10.5
5°	17.7	11.2	7.9	6.9	6.5
7.5°	15.9	8.3	5.4	4.3	4.0
10°	13.7	6.1	3.6	2.5	2.5
12.5°	11.6	4.7	2.2	1.1	0.7
15°	9.4	2.9	0.7	0.4	0.4
17.5°	7.2	1.8	0.0	0.0	0.0
20°	5.8	0.7	0.0	0.0	0.0
22.5°	4.3	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	1.4	1.4
57.5°	0.7	0.7	1.1	1.4	1.4
60°	0.7	0.7	1.1	1.4	1.8
62.5°	1.1	1.1	1.1	1.4	1.4
65°	1.1	1.1	1.1	1.4	1.8
67.5°	1.1	1.1	1.1	1.4	1.8
70°	1.1	1.1	1.1	1.4	1.4
72.5°	1.4	1.1	1.1	1.4	1.4
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)