

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: P1336530

Luminaire Tested: P3A05R15B2750DE010 E3A301GPH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R15B2750DE010 E3A301GPH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

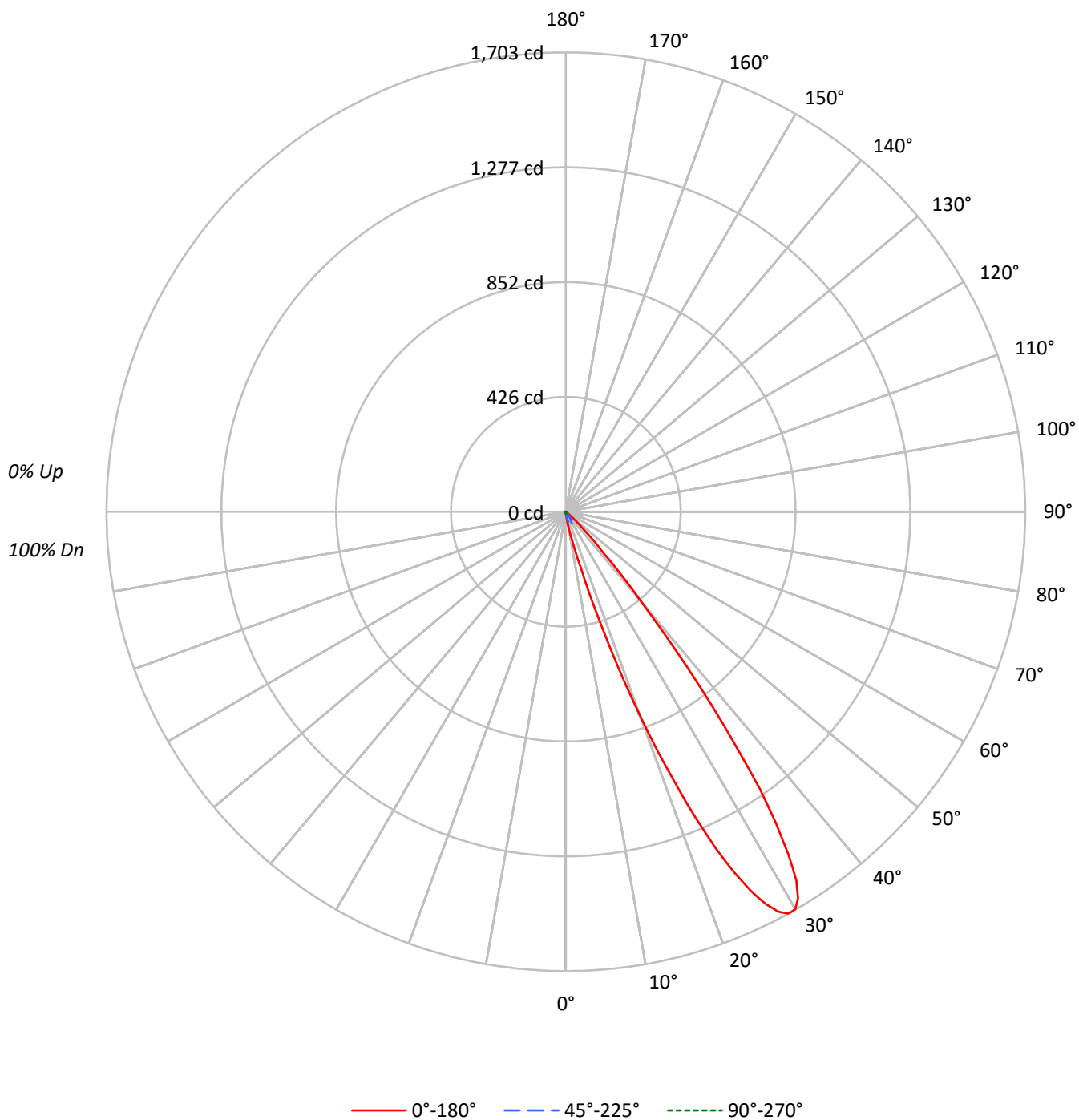
Lumens per Lamp: N/A
Luminaire Lumens: 186.0 lumens
Efficiency: N/A
Efficacy: 31.5 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1336530

CATALOG NUMBER: P3A05R15B2750DE010 E3A301GPH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1336530

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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	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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	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	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	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1360	1360	1360	1360	1360
5°	2906	2157	1277	682	550
10°	12892	4075	1002	289	200
15°	48763	9398	704	114	91
20°	187500	13254	420	47	47
25°	356561	12436	218	0	0
30°	430725	10027	101	0	0
35°	335927	6826	54	0	0
40°	122601	3378	57	0	57
45°	31476	1023	62	0	124
50°	5322	136	68	68	171
55°	688	0	153	191	344
60°	88	88	219	307	482
65°	104	104	363	467	571
70°	128	128	449	449	577
75°	169	169	593	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31476 cd/sqm

TEST NUMBER: P1336530

CATALOG NUMBER: P3A05R15B2750DE010 E3A301GPH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.5
10°-20°	14.3	7.7
20°-30°	79.1	42.5
30°-40°	76.4	41.1
40°-50°	13.3	7.1
50°-60°	1.0	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.2
80°-90°	0.2	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°	94.1	50.6
0°-40°	170.5	91.7
0°-60°	184.8	99.3
0°-90°	186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	186.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	13	10	6	3	2	3
15°	215	41	3	0	0	96
25°	1474	51	1	0	0	659
35°	1255	26	0	0	0	722
45°	102	3	0	0	0	109
55°	2	0	0	0	1	4
65°	0	0	1	1	1	0
75°	0	0	1	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1336530

CATALOG NUMBER: P3A05R15B2750DE010 E3A301GPH_4000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	9.0	8.7	8.9	8.9	8.9	8.9	8.9	8.5	8.5	8.7	7.8
5°	13.2	13.2	13.0	13.2	13.2	13.0	12.7	12.5	12.5	12.1	9.8
7.5°	26.4	26.1	26.1	25.7	23.9	23.3	23.0	22.1	20.4	20.1	12.7
10°	57.9	58.1	56.8	55.2	55.0	52.3	51.4	49.8	46.7	43.6	18.3
12.5°	105.1	102.8	99.7	99.9	94.6	92.8	88.7	84.1	79.4	74.5	30.0
15°	214.8	208.1	212.1	202.3	191.2	178.8	166.1	150.2	136.6	122.1	41.4
17.5°	452.3	458.8	447.8	406.0	380.3	350.1	307.6	266.5	231.4	203.2	50.7
20°	803.5	813.1	775.7	739.3	676.9	608.8	537.9	457.6	380.7	314.1	56.8
21°	950.3	944.5	929.1	870.8	798.8	719.9	633.1	544.4	451.2	364.8	57.4
22°	1092.1	1094.8	1059.0	998.0	923.1	835.7	729.7	620.2	519.8	406.0	56.5
23°	1233.4	1242.1	1194.7	1137.5	1043.2	944.6	822.0	703.8	579.7	453.2	54.6
24°	1364.2	1358.3	1326.2	1254.2	1153.4	1038.0	910.6	767.3	628.9	493.6	53.2
25°	1473.7	1473.0	1422.7	1352.6	1237.4	1109.5	969.1	819.3	671.1	520.9	51.4
26°	1563.2	1548.6	1509.0	1423.6	1309.8	1174.8	1017.0	857.1	694.8	534.7	49.6
27°	1632.4	1621.9	1568.7	1479.8	1361.0	1211.7	1047.8	875.9	705.6	539.2	47.2
28°	1678.9	1667.5	1610.8	1519.3	1389.2	1234.9	1064.1	883.8	705.6	534.8	45.1
29°	1702.9	1687.4	1630.9	1532.8	1395.7	1237.6	1060.1	876.1	694.6	521.4	42.5
30°	1701.1	1681.8	1622.6	1520.5	1376.3	1215.3	1037.8	848.0	669.6	501.5	39.6
31°	1671.8	1650.1	1584.1	1478.9	1336.4	1173.3	995.8	810.4	635.4	475.7	36.7
32°	1612.3	1584.8	1520.4	1415.6	1274.8	1110.6	934.9	752.3	584.2	437.9	33.7
33°	1515.3	1487.6	1418.5	1320.3	1191.6	1030.9	854.0	689.9	526.0	392.8	31.1
34°	1393.9	1368.6	1309.0	1210.1	1086.7	930.2	761.0	603.6	465.5	348.1	28.4
35°	1254.9	1214.6	1160.7	1082.3	962.0	804.6	660.6	523.3	403.3	301.3	25.5
36°	1067.0	1074.2	1017.0	921.1	821.4	698.0	559.8	436.2	337.3	256.7	23.0
37°	900.3	888.9	852.5	778.4	691.5	569.0	469.2	369.8	283.7	217.1	20.3
38°	726.3	728.8	693.1	636.2	550.0	467.9	377.6	303.8	237.4	184.7	17.7
39°	568.5	566.5	556.9	504.1	426.1	372.2	306.0	251.9	197.8	155.8	15.0
40°	428.3	431.5	409.1	377.2	331.8	287.5	243.7	200.8	163.6	131.4	11.8
42.5°	208.3	213.3	198.5	190.3	170.3	152.9	129.0	105.3	89.6	77.4	5.2
45°	101.5	98.6	97.3	93.4	88.7	79.2	70.2	60.3	52.7	45.4	3.3
47.5°	51.9	50.5	50.5	48.9	47.2	44.1	39.6	36.4	32.7	28.2	1.3
50°	15.6	15.4	15.2	15.4	14.8	15.4	15.7	15.9	14.5	14.3	0.4
52.5°	6.2	6.3	6.2	6.7	6.7	6.5	6.7	6.5	6.3	5.6	0.0
55°	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.0	2.2	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	7.2	6.3	5.2	4.3	4.0	3.8
5°	7.8	5.8	4.0	3.1	2.7	2.5
7.5°	8.3	5.2	3.1	2.2	1.6	1.4
10°	8.7	4.5	2.4	1.3	0.9	0.9
12.5°	8.7	3.6	1.6	0.7	0.5	0.5
15°	8.5	3.1	1.1	0.5	0.4	0.4
17.5°	8.3	2.4	0.7	0.4	0.2	0.4
20°	7.8	1.8	0.4	0.2	0.2	0.2
21°	7.6	1.6	0.4	0.2	0.2	0.2
22°	7.2	1.4	0.2	0.0	0.2	0.2
23°	6.9	1.1	0.2	0.0	0.0	0.0
24°	6.3	0.9	0.2	0.0	0.0	0.0
25°	6.0	0.9	0.2	0.0	0.0	0.0
26°	5.6	0.5	0.0	0.0	0.0	0.0
27°	5.1	0.4	0.0	0.0	0.0	0.0
28°	4.7	0.4	0.0	0.0	0.0	0.0
29°	4.2	0.4	0.0	0.0	0.0	0.0
30°	3.6	0.4	0.0	0.0	0.0	0.0
31°	2.9	0.2	0.0	0.0	0.0	0.0
32°	2.4	0.2	0.0	0.0	0.0	0.0
33°	1.6	0.2	0.0	0.0	0.0	0.0
34°	1.1	0.2	0.0	0.0	0.0	0.0
35°	0.9	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.2	0.0	0.0	0.0	0.2
37°	0.5	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.5
52.5°	0.0	0.4	0.2	0.4	0.5	0.7
55°	0.2	0.4	0.4	0.5	0.7	0.9
57.5°	0.2	0.5	0.5	0.7	0.9	0.9
60°	0.4	0.5	0.7	0.7	1.1	1.1
62.5°	0.4	0.7	0.7	0.7	1.1	1.1
65°	0.4	0.7	0.7	0.9	1.1	1.1
67.5°	0.4	0.7	0.7	0.7	0.9	1.1
70°	0.4	0.7	0.5	0.7	0.9	0.9
72.5°	0.4	0.7	0.5	0.5	0.7	0.9
75°	0.4	0.7	0.5	0.5	0.7	0.7
77.5°	0.4	0.5	0.5	0.4	0.5	0.5
80°	0.4	0.5	0.4	0.4	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.5	0.4	0.2	0.4	0.4
85°	0.4	0.5	0.4	0.2	0.2	0.2
87.5°	0.4	0.5	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)