

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: P1337027

Luminaire Tested: P3A05R20B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20B2750DE010 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

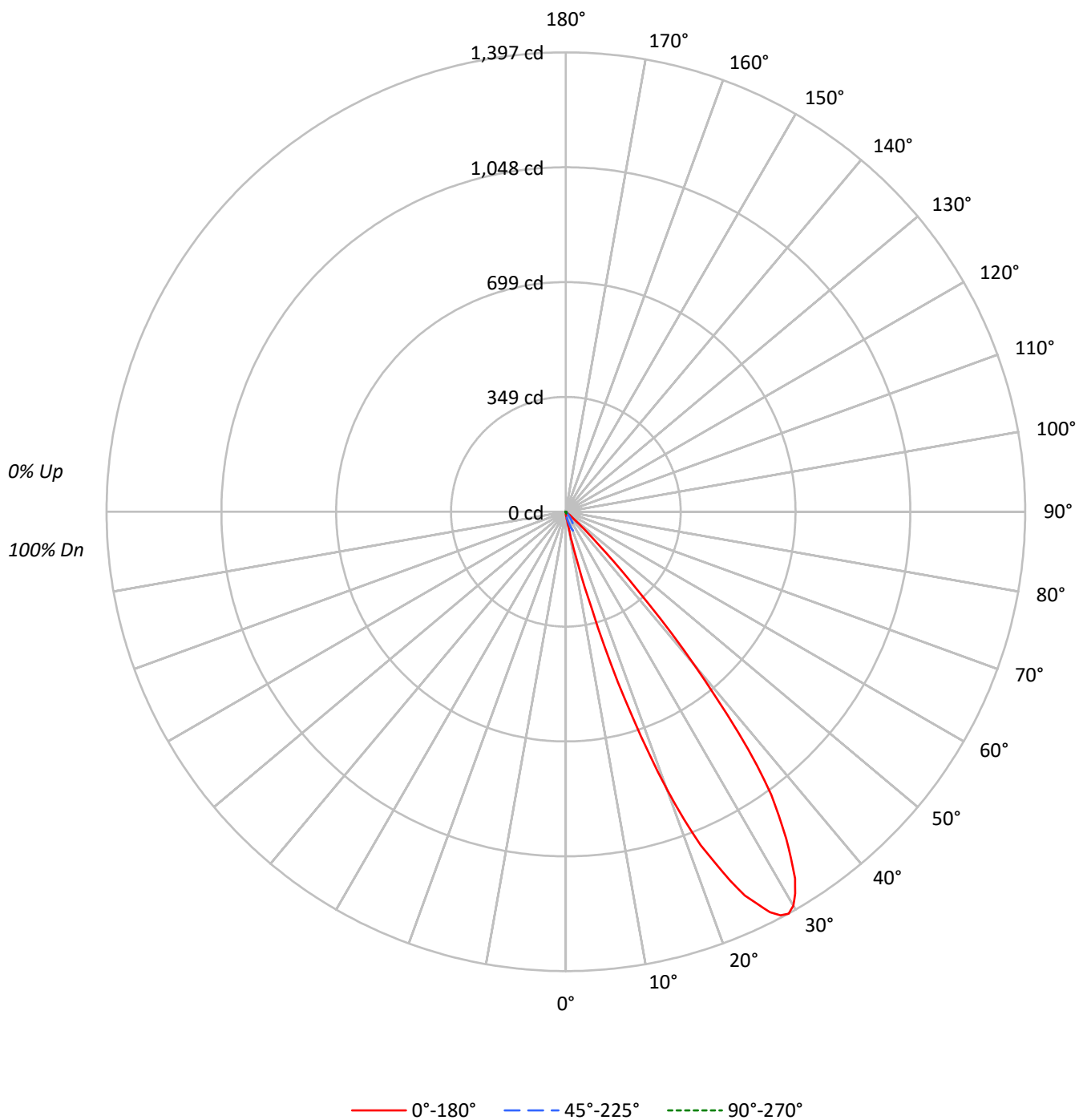
Lumens per Lamp: N/A
Luminaire Lumens: 196.0 lumens
Efficiency: N/A
Efficacy: 33.2 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	71	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	62	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1491	1491	1491	1491	1491
5°	3412	2553	1409	858	748
10°	10732	4431	1158	468	356
15°	69512	8195	840	159	45
20°	209808	14025	583	0	0
25°	311583	14154	339	0	0
30°	350383	10761	127	0	0
35°	302305	6425	107	0	0
40°	174069	2176	0	0	0
45°	42454	868	62	0	62
50°	5083	239	68	68	171
55°	688	0	153	153	268
60°	88	0	219	219	395
65°	104	104	363	363	571
70°	128	128	449	449	577
75°	0	169	593	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 42733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	18.2	9.3
20°-30°	79.2	40.4
30°-40°	79.7	40.7
40°-50°	16.0	8.2
50°-60°	0.8	0.4
60°-70°	0.5	0.3
70°-80°	0.5	0.2
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°	98.2	50.1
0°-40°	178.0	90.8
0°-60°	194.8	99.4
0°-90°	196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	196.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	16	12	6	4	3	2
15°	306	36	4	1	0	120
25°	1288	58	1	0	0	581
35°	1129	24	0	0	0	672
45°	137	3	0	0	0	149
55°	2	0	0	0	1	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	10.1	10.1	10.0	10.0	9.8	10.0	9.6	9.8	9.8	9.6	8.7
5°	15.5	15.8	15.6	15.6	15.5	15.6	15.3	14.9	14.6	14.6	11.6
7.5°	25.4	25.3	24.9	25.1	24.5	24.2	23.8	23.6	22.6	22.0	15.1
10°	48.2	49.3	48.4	48.2	45.0	44.8	42.7	39.7	37.0	35.6	19.9
12.5°	132.7	138.3	129.5	125.2	122.7	113.1	109.0	98.5	88.4	80.7	25.3
15°	306.2	320.3	302.3	303.5	288.6	261.2	237.2	216.6	192.2	167.7	36.1
17.5°	600.0	588.6	578.8	562.3	531.9	491.7	439.9	387.5	342.1	294.6	50.3
20°	899.1	888.9	866.7	830.6	791.8	732.3	670.7	592.0	515.7	444.2	60.1
21°	1002.0	998.6	962.2	939.9	880.2	823.3	752.3	668.1	582.2	497.5	61.7
22°	1093.9	1073.7	1054.1	1021.2	961.8	899.9	821.0	732.3	639.1	545.0	61.9
23°	1157.6	1148.4	1129.9	1092.7	1033.7	960.9	877.7	784.9	686.7	578.6	61.3
24°	1228.0	1216.3	1189.2	1145.9	1086.3	1014.5	919.5	827.4	720.7	606.9	59.9
25°	1287.8	1269.4	1237.4	1190.7	1125.6	1051.4	956.0	854.8	744.3	625.9	58.5
26°	1326.5	1316.6	1275.5	1224.6	1154.9	1078.5	981.0	875.8	759.6	634.6	56.2
27°	1366.9	1348.6	1308.2	1249.7	1174.1	1096.1	995.2	885.9	765.0	635.0	53.3
28°	1390.0	1370.1	1324.4	1262.9	1186.6	1105.9	1003.4	889.1	763.9	629.5	50.0
29°	1397.3	1372.2	1327.6	1265.0	1189.6	1106.6	1002.2	884.5	754.5	616.0	46.1
30°	1383.8	1358.2	1315.9	1254.9	1180.0	1097.7	990.6	869.2	737.8	596.6	42.5
31°	1354.3	1332.6	1291.7	1230.5	1158.7	1076.9	964.5	844.1	709.3	570.6	38.4
32°	1315.3	1294.0	1253.8	1198.5	1125.4	1042.9	928.7	805.0	675.9	531.9	34.3
33°	1256.8	1244.6	1208.5	1155.6	1082.6	994.4	880.7	758.2	628.2	488.8	30.8
34°	1197.6	1182.1	1156.9	1099.1	1020.5	932.5	818.1	693.7	570.1	440.6	27.4
35°	1129.3	1120.1	1080.4	1034.2	955.2	865.3	751.6	630.9	502.3	386.9	24.0
36°	1063.2	1049.0	1003.8	954.9	878.2	781.0	668.8	555.3	443.8	336.6	20.4
37°	967.2	945.5	913.3	861.7	772.1	689.2	586.8	481.5	371.8	282.2	16.5
38°	854.2	844.1	799.5	747.5	673.4	594.8	493.4	404.2	306.7	235.6	12.6
39°	721.1	720.9	678.2	640.7	568.1	497.4	406.0	328.1	253.2	189.7	9.8
40°	608.1	587.2	560.8	513.7	458.1	398.0	317.9	256.8	196.5	152.9	7.6
42.5°	318.8	317.1	301.6	266.2	235.1	199.7	158.8	132.3	103.5	84.3	4.8
45°	136.9	137.8	127.1	121.8	109.7	95.0	80.2	66.9	57.3	46.4	2.8
47.5°	34.7	33.3	32.9	34.1	34.1	33.1	29.7	27.9	25.8	23.6	1.6
50°	14.9	14.6	14.2	14.2	13.3	12.8	11.9	10.8	10.0	8.9	0.7
52.5°	5.5	5.7	5.9	5.7	5.7	5.5	5.5	5.3	4.8	4.3	0.4
55°	1.8	1.8	1.8	2.0	2.0	2.1	2.1	2.1	2.1	2.0	0.0
57.5°	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
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	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	6.8	6.8	6.8	6.8	6.8	6.8
2.5°	7.8	6.9	5.9	5.0	4.8	4.6
5°	8.7	6.4	4.8	3.9	3.6	3.4
7.5°	9.4	5.9	3.9	2.8	2.5	2.3
10°	9.8	5.2	3.2	2.1	1.6	1.6
12.5°	10.0	4.4	2.3	1.4	0.9	0.9
15°	9.8	3.7	1.8	0.7	0.2	0.2
17.5°	8.9	3.0	1.1	0.2	0.0	0.0
20°	7.6	2.5	0.7	0.0	0.0	0.0
21°	7.3	2.1	0.5	0.0	0.0	0.0
22°	6.8	2.0	0.4	0.0	0.0	0.0
23°	6.2	1.8	0.4	0.0	0.0	0.0
24°	5.7	1.6	0.2	0.0	0.0	0.0
25°	5.3	1.4	0.2	0.0	0.0	0.0
26°	5.0	1.2	0.2	0.0	0.0	0.0
27°	4.4	1.1	0.0	0.0	0.0	0.0
28°	4.1	0.9	0.0	0.0	0.0	0.0
29°	3.6	0.7	0.0	0.0	0.0	0.0
30°	3.0	0.5	0.0	0.0	0.0	0.0
31°	2.5	0.5	0.0	0.0	0.0	0.0
32°	2.1	0.4	0.0	0.0	0.0	0.0
33°	1.8	0.4	0.0	0.0	0.0	0.0
34°	1.6	0.4	0.0	0.0	0.0	0.0
35°	1.4	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.2	0.0	0.0	0.0	0.0
37°	0.9	0.2	0.0	0.0	0.0	0.0
38°	0.7	0.2	0.0	0.0	0.0	0.0
39°	0.5	0.0	0.0	0.0	0.0	0.0
40°	0.5	0.0	0.0	0.0	0.0	0.0
42.5°	0.2	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.2	0.0	0.0	0.2	0.2
47.5°	0.0	0.2	0.0	0.0	0.2	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.5
52.5°	0.0	0.4	0.2	0.2	0.5	0.5
55°	0.2	0.4	0.2	0.4	0.7	0.7
57.5°	0.2	0.4	0.4	0.5	0.7	0.9
60°	0.4	0.5	0.5	0.5	0.9	0.9
62.5°	0.4	0.5	0.7	0.7	0.9	1.1
65°	0.4	0.7	0.7	0.7	0.9	1.1
67.5°	0.5	0.7	0.7	0.7	0.9	1.1
70°	0.5	0.7	0.7	0.7	0.9	0.9
72.5°	0.5	0.7	0.5	0.7	0.7	0.9
75°	0.5	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	0.4	0.2	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)