

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: P1337028

Luminaire Tested: P3A05R20B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337028
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

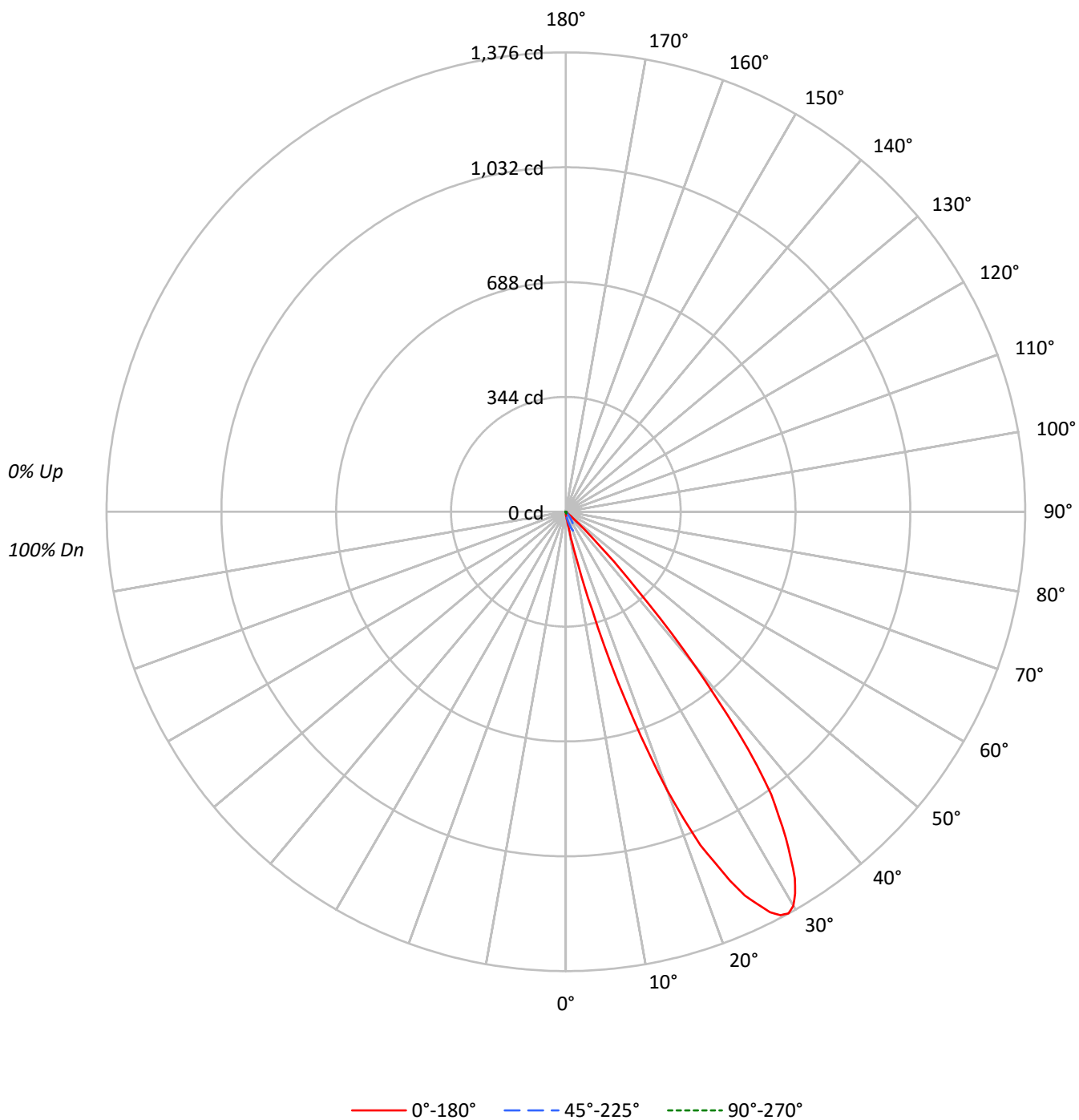
Lumens per Lamp: N/A
Luminaire Lumens: 193.1 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1469	1469	1469	1469	1469
5°	3346	2509	1387	858	726
10°	10577	4364	1136	468	356
15°	68445	8059	840	159	45
20°	206588	13815	583	0	0
25°	306816	13936	339	0	0
30°	345015	10584	127	0	0
35°	297674	6318	107	0	0
40°	171407	2147	0	0	0
45°	41803	868	62	0	62
50°	5015	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: 42082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	17.9	9.3
20°-30°	78.0	40.4
30°-40°	78.5	40.7
40°-50°	15.8	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°	96.7	50.1
0°-40°	175.3	90.8
0°-60°	191.8	99.4
0°-90°	193.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	15	11	6	4	3	2
15°	302	36	4	1	0	118
25°	1268	58	1	0	0	572
35°	1112	24	0	0	0	662
45°	135	3	0	0	0	147
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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	10.0	10.0	9.8	9.8	9.6	9.8	9.5	9.6	9.6	9.5	8.6
5°	15.2	15.6	15.4	15.4	15.2	15.4	15.1	14.7	14.4	14.4	11.4
7.5°	25.0	24.9	24.5	24.7	24.2	23.8	23.5	23.3	22.2	21.7	14.9
10°	47.5	48.5	47.6	47.5	44.3	44.1	42.0	39.0	36.4	35.0	19.6
12.5°	130.6	136.2	127.5	123.3	120.8	111.4	107.3	97.0	87.0	79.5	24.9
15°	301.5	315.3	297.7	298.9	284.2	257.2	233.6	213.3	189.3	165.1	35.5
17.5°	590.8	579.6	569.9	553.7	523.7	484.1	433.2	381.5	336.9	290.1	49.6
20°	885.3	875.3	853.4	817.9	779.7	721.0	660.5	582.9	507.8	437.4	59.2
21°	986.7	983.3	947.4	925.6	866.7	810.7	740.8	657.8	573.3	489.9	60.8
22°	1077.2	1057.2	1038.0	1005.6	947.1	886.2	808.4	721.0	629.3	536.7	60.9
23°	1139.9	1130.8	1112.6	1076.0	1017.8	946.2	864.3	772.9	676.2	569.8	60.4
24°	1209.2	1197.7	1171.0	1128.3	1069.7	998.9	905.4	814.7	709.7	597.6	59.0
25°	1268.1	1250.0	1218.5	1172.4	1108.4	1035.3	941.3	841.7	733.0	616.3	57.6
26°	1306.2	1296.4	1256.0	1205.9	1137.3	1062.0	966.0	862.4	748.0	624.9	55.3
27°	1346.0	1327.9	1288.2	1230.6	1156.2	1079.3	980.0	872.3	753.3	625.3	52.5
28°	1368.7	1349.1	1304.1	1243.5	1168.4	1088.9	988.1	875.5	752.2	619.8	49.2
29°	1375.9	1351.2	1307.3	1245.6	1171.4	1089.6	986.8	870.9	742.9	606.5	45.4
30°	1362.6	1337.4	1295.7	1235.7	1161.9	1080.9	975.5	855.9	726.5	587.4	41.8
31°	1333.5	1312.2	1271.9	1211.7	1140.9	1060.4	949.7	831.2	698.5	561.9	37.8
32°	1295.2	1274.2	1234.6	1180.2	1108.2	1026.9	914.5	792.7	665.5	523.7	33.8
33°	1237.6	1225.5	1190.0	1138.0	1066.0	979.1	867.3	746.6	618.6	481.3	30.3
34°	1179.3	1164.0	1139.2	1082.3	1004.9	918.2	805.6	683.1	561.4	433.9	27.0
35°	1112.0	1102.9	1063.9	1018.4	940.6	852.0	740.1	621.2	494.6	381.0	23.6
36°	1046.9	1032.9	988.4	940.3	864.8	769.0	658.5	546.8	437.0	331.5	20.1
37°	952.4	931.0	899.3	848.5	760.3	678.7	577.8	474.2	366.1	277.9	16.3
38°	841.2	831.2	787.2	736.1	663.1	585.7	485.9	398.0	302.0	232.0	12.4
39°	710.0	709.8	667.8	630.9	559.4	489.7	399.7	323.1	249.3	186.8	9.6
40°	598.8	578.2	552.3	505.9	451.0	391.9	313.1	252.8	193.5	150.6	7.5
42.5°	313.9	312.2	297.0	262.1	231.5	196.6	156.4	130.3	101.9	83.0	4.7
45°	134.8	135.7	125.2	119.9	108.0	93.5	79.0	65.8	56.4	45.7	2.8
47.5°	34.1	32.7	32.4	33.6	33.6	32.6	29.2	27.5	25.4	23.3	1.6
50°	14.7	14.4	14.0	14.0	13.1	12.6	11.7	10.7	9.8	8.8	0.7
52.5°	5.4	5.6	5.8	5.6	5.6	5.4	5.4	5.3	4.7	4.2	0.4
55°	1.8	1.8	1.8	1.9	1.9	2.1	2.1	2.1	2.1	1.9	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°	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	7.7	6.8	5.8	4.9	4.7	4.6
5°	8.6	6.3	4.7	3.9	3.5	3.3
7.5°	9.3	5.8	3.9	2.8	2.5	2.3
10°	9.6	5.1	3.2	2.1	1.6	1.6
12.5°	9.8	4.4	2.3	1.4	0.9	0.9
15°	9.6	3.7	1.8	0.7	0.2	0.2
17.5°	8.8	3.0	1.1	0.2	0.0	0.0
20°	7.5	2.5	0.7	0.0	0.0	0.0
21°	7.2	2.1	0.5	0.0	0.0	0.0
22°	6.7	1.9	0.4	0.0	0.0	0.0
23°	6.1	1.8	0.4	0.0	0.0	0.0
24°	5.6	1.6	0.2	0.0	0.0	0.0
25°	5.3	1.4	0.2	0.0	0.0	0.0
26°	4.9	1.2	0.2	0.0	0.0	0.0
27°	4.4	1.1	0.0	0.0	0.0	0.0
28°	4.0	0.9	0.0	0.0	0.0	0.0
29°	3.5	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)