

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: P1345643

Luminaire Tested: P3A13R35B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35B2750DE010 E3A301GPH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

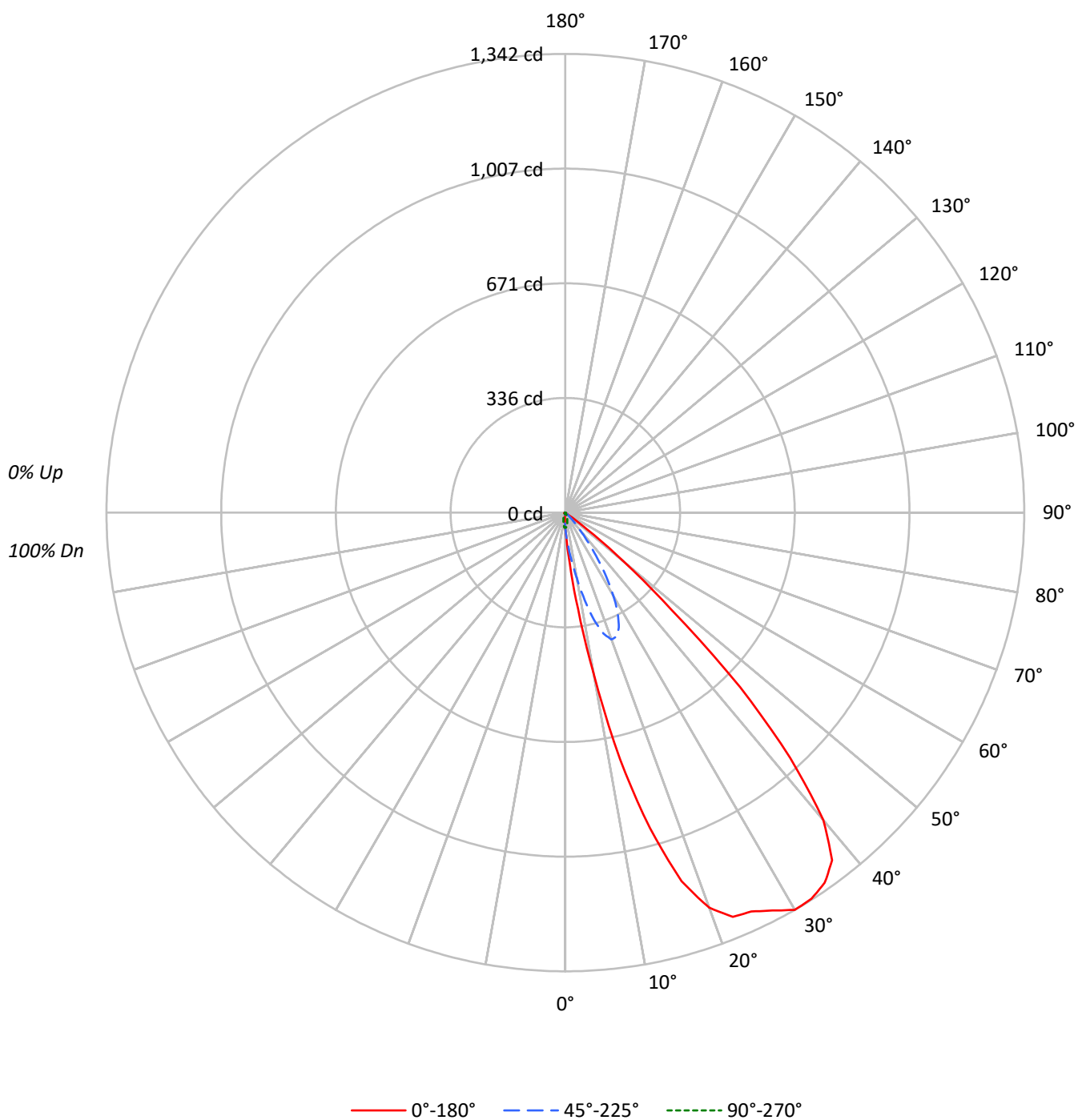
Lumens per Lamp: N/A
Luminaire Lumens: 422.1 lumens
Efficiency: N/A
Efficacy: 22.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			
10	62	50	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°	9714	9714	9714	9714	9714
5°	33106	21506	9091	3830	2840
10°	106522	43598	7170	1425	935
15°	217050	73962	5085	522	341
20°	287025	92105	3267	187	187
25°	311437	89545	1839	97	194
30°	339748	71353	760	101	203
35°	353996	44410	214	107	214
40°	335944	19408	115	229	315
45°	224271	7753	124	341	589
50°	75221	1296	273	512	785
55°	4205	153	306	726	1032
60°	351	175	482	833	1184
65°	415	208	571	986	1401
70°	256	256	705	1218	1475
75°	339	339	932	1271	1610
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 224271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	1.8
10°-20°	60.6	14.4
20°-30°	127.9	30.3
30°-40°	145.1	34.4
40°-50°	71.4	16.9
50°-60°	6.2	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	196.2	46.5
0°-40°	341.4	80.9
0°-60°	419.0	99.3
0°-90°	422.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	422.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	150	98	41	17	13	25
15°	956	326	22	2	2	272
25°	1287	370	8	0	1	599
35°	1322	166	1	0	1	815
45°	723	25	0	1	2	534
55°	11	0	1	2	3	43
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	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°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2.5°	76.9	78.8	78.0	77.7	77.3	75.8	72.4	72.0	68.6	66.3	54.9
5°	150.4	147.4	148.1	143.9	138.6	131.1	126.1	115.5	106.8	97.7	64.0
7.5°	283.4	279.2	271.2	259.1	246.6	230.3	205.7	186.0	163.3	141.7	71.2
10°	478.4	476.2	465.9	434.9	407.6	364.0	323.1	279.9	237.5	195.8	76.1
12.5°	739.1	723.5	705.0	663.7	609.9	555.3	474.7	400.0	332.2	262.5	76.5
15°	956.1	946.3	920.1	866.3	801.6	722.8	626.9	526.6	424.3	325.8	72.7
17.5°	1130.8	1115.6	1081.9	1029.2	954.6	852.3	740.2	617.8	493.2	370.9	66.3
20°	1230.0	1222.1	1196.3	1143.6	1062.2	950.4	822.8	680.3	536.4	394.7	58.0
22.5°	1280.0	1274.3	1255.4	1213.3	1137.2	1024.7	878.5	712.9	548.9	392.1	49.2
25°	1287.2	1285.7	1269.4	1237.6	1173.9	1062.6	902.7	719.0	538.7	370.1	40.9
27.5°	1312.2	1306.9	1287.6	1255.8	1191.7	1069.0	894.4	698.2	505.7	331.5	34.1
30°	1341.8	1338.0	1318.7	1285.7	1209.9	1063.0	864.8	651.9	453.1	281.8	25.4
32.5°	1339.5	1338.0	1321.7	1286.8	1197.1	1027.3	812.2	582.6	381.5	222.4	15.9
35°	1322.4	1317.1	1296.7	1242.9	1123.6	935.7	712.2	488.7	301.9	165.9	10.2
37.5°	1281.5	1270.2	1235.7	1144.4	992.1	794.4	580.0	377.3	213.7	111.0	6.4
40°	1173.6	1159.2	1089.8	979.6	820.1	625.8	431.5	259.5	140.9	67.8	2.7
42.5°	973.6	944.4	875.1	761.8	612.2	442.5	283.4	168.2	83.0	40.9	0.8
45°	723.2	700.8	628.1	525.4	401.2	283.7	171.6	90.9	45.8	25.0	0.4
47.5°	421.2	407.6	370.1	302.7	221.6	148.9	87.9	48.9	26.9	12.1	0.4
50°	220.5	203.4	175.0	132.6	97.7	68.6	42.8	26.1	13.3	3.8	0.4
52.5°	77.3	76.1	69.3	52.3	42.4	30.7	20.8	11.4	3.8	0.8	0.4
55°	11.0	11.0	10.2	11.4	12.1	11.0	7.2	3.0	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.1	1.5	1.5	1.1	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	44.3	44.3	44.3	44.3	44.3
2.5°	43.9	35.2	28.0	24.6	23.5
5°	41.3	26.5	17.4	13.6	12.9
7.5°	36.7	18.9	10.6	7.6	7.2
10°	32.2	13.6	6.4	4.5	4.2
12.5°	26.9	9.5	4.2	2.7	2.3
15°	22.4	6.4	2.3	1.9	1.5
17.5°	17.8	4.2	1.5	1.1	1.5
20°	14.0	2.7	0.8	0.8	0.8
22.5°	10.6	1.5	0.8	0.8	0.8
25°	7.6	0.8	0.4	0.4	0.8
27.5°	5.3	0.4	0.4	0.4	0.8
30°	3.0	0.4	0.4	0.4	0.8
32.5°	1.5	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.1
40°	0.4	0.4	0.8	1.1	1.1
42.5°	0.4	0.4	0.8	1.1	1.5
45°	0.4	0.8	1.1	1.5	1.9
47.5°	0.8	0.8	1.5	1.9	2.3
50°	0.8	1.1	1.5	2.3	2.3
52.5°	0.8	1.1	1.9	2.3	2.7
55°	0.8	1.5	1.9	2.7	2.7
57.5°	1.1	1.5	1.9	2.7	2.7
60°	1.1	1.5	1.9	2.7	2.7
62.5°	1.1	1.5	1.9	2.7	2.7
65°	1.1	1.5	1.9	2.7	2.7
67.5°	1.1	1.5	1.9	2.3	2.7
70°	1.1	1.5	1.9	2.3	2.3
72.5°	1.5	1.5	1.9	2.3	2.3
75°	1.1	1.5	1.5	1.9	1.9
77.5°	1.1	1.1	1.1	1.5	1.5
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.8	0.8	1.1	1.1
85°	1.1	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)