

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: P1334537

Luminaire Tested: P3A02R20B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334537
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: P3A02R20B2750DE010 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

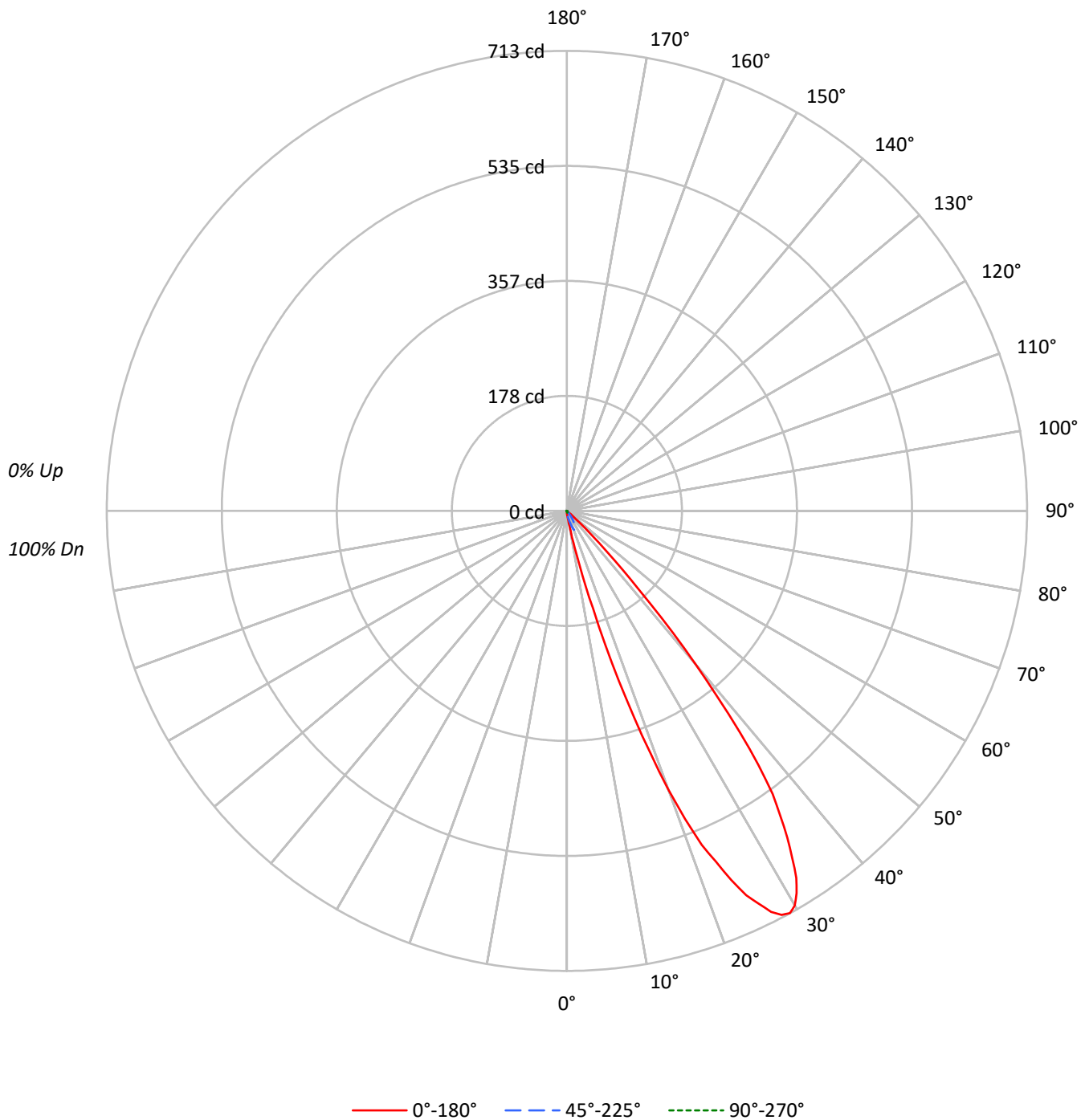
Lumens per Lamp: N/A
Luminaire Lumens: 100.1 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

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	98	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	68	64	71	66	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°	746	746	746	746	746
5°	1739	1299	726	440	374
10°	5478	2271	579	245	178
15°	35460	4177	431	91	23
20°	107039	7164	303	0	0
25°	158961	7210	169	0	0
30°	178762	5495	76	0	0
35°	154244	3266	54	0	0
40°	88824	1116	0	0	0
45°	21677	465	31	0	31
50°	2593	136	34	34	102
55°	344	0	76	76	153
60°	44	0	132	132	219
65°	52	52	208	208	259
70°	64	64	256	256	321
75°	0	85	339	254	339
80°	0	126	379	253	379
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 21801 cd/sqm

TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	9.3	9.3
20°-30°	40.4	40.4
30°-40°	40.7	40.6
40°-50°	8.2	8.2
50°-60°	0.4	0.4
60°-70°	0.3	0.3
70°-80°	0.3	0.3
80°-90°	0.1	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°	50.1	50.1
0°-40°	90.8	90.7
0°-60°	99.4	99.3
0°-90°	100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	100.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3	3	3	3	3	
5°	8	6	3	2	2	1
15°	156	18	2	0	0	61
25°	657	30	1	0	0	296
35°	576	12	0	0	0	343
45°	70	2	0	0	0	76
55°	1	0	0	0	0	2
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	5.2	5.2	5.1	5.1	5.0	5.1	4.9	5.0	5.0	4.9	4.4
5°	7.9	8.1	8.0	8.0	7.9	8.0	7.8	7.6	7.4	7.4	5.9
7.5°	13.0	12.9	12.7	12.8	12.5	12.3	12.2	12.1	11.5	11.2	7.7
10°	24.6	25.1	24.7	24.6	23.0	22.9	21.8	20.2	18.9	18.1	10.2
12.5°	67.7	70.6	66.0	63.9	62.6	57.7	55.6	50.3	45.1	41.2	12.9
15°	156.2	163.4	154.2	154.9	147.2	133.3	121.0	110.5	98.1	85.6	18.4
17.5°	306.1	300.3	295.3	286.9	271.4	250.9	224.5	197.7	174.6	150.3	25.7
20°	458.7	453.5	442.2	423.8	404.0	373.6	342.2	302.0	263.1	226.6	30.7
21°	511.2	509.5	490.9	479.6	449.1	420.1	383.9	340.8	297.0	253.8	31.5
22°	558.1	547.8	537.8	521.0	490.7	459.2	418.9	373.6	326.1	278.1	31.6
23°	590.6	585.9	576.5	557.5	527.4	490.3	447.8	400.5	350.4	295.2	31.3
24°	626.5	620.6	606.8	584.6	554.2	517.6	469.1	422.1	367.7	309.6	30.6
25°	657.0	647.7	631.3	607.5	574.3	536.4	487.7	436.1	379.8	319.3	29.8
26°	676.8	671.7	650.8	624.8	589.3	550.2	500.5	446.8	387.6	323.8	28.7
27°	697.4	688.0	667.5	637.6	599.0	559.2	507.8	452.0	390.3	324.0	27.2
28°	709.2	699.0	675.7	644.3	605.4	564.2	512.0	453.6	389.7	321.2	25.5
29°	712.9	700.1	677.3	645.4	606.9	564.6	511.3	451.3	384.9	314.3	23.5
30°	706.0	692.9	671.4	640.2	602.0	560.0	505.4	443.5	376.4	304.4	21.7
31°	691.0	679.9	659.0	627.8	591.2	549.4	492.1	430.7	361.9	291.1	19.6
32°	671.1	660.2	639.7	611.5	574.2	532.1	473.8	410.7	344.8	271.4	17.5
33°	641.2	635.0	616.6	589.6	552.3	507.3	449.4	386.8	320.5	249.4	15.7
34°	611.0	603.1	590.2	560.8	520.7	475.8	417.4	353.9	290.9	224.8	14.0
35°	576.2	571.5	551.2	527.6	487.4	441.5	383.5	321.9	256.3	197.4	12.2
36°	542.4	535.2	512.1	487.2	448.1	398.5	341.2	283.3	226.4	171.7	10.4
37°	493.4	482.4	466.0	439.6	393.9	351.6	299.4	245.7	189.7	144.0	8.4
38°	435.8	430.7	407.9	381.4	343.6	303.5	251.8	206.2	156.5	120.2	6.4
39°	367.9	367.8	346.0	326.9	289.9	253.8	207.1	167.4	129.2	96.8	5.0
40°	310.3	299.6	286.1	262.1	233.7	203.0	162.2	131.0	100.2	78.0	3.9
42.5°	162.7	161.8	153.9	135.8	119.9	101.9	81.0	67.5	52.8	43.0	2.4
45°	69.9	70.3	64.9	62.1	56.0	48.4	40.9	34.1	29.2	23.7	1.5
47.5°	17.7	17.0	16.8	17.4	17.4	16.9	15.2	14.2	13.2	12.1	0.8
50°	7.6	7.4	7.3	7.3	6.8	6.5	6.1	5.5	5.1	4.5	0.4
52.5°	2.8	2.9	3.0	2.9	2.9	2.8	2.8	2.7	2.4	2.2	0.2
55°	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.0	0.0
57.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.0
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
62.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1



TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

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	0.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.0	3.5	3.0	2.5	2.4	2.4
5°	4.4	3.3	2.4	2.0	1.8	1.7
7.5°	4.8	3.0	2.0	1.5	1.3	1.2
10°	5.0	2.6	1.6	1.1	0.8	0.8
12.5°	5.1	2.3	1.2	0.7	0.5	0.5
15°	5.0	1.9	0.9	0.4	0.1	0.1
17.5°	4.5	1.5	0.5	0.1	0.0	0.0
20°	3.9	1.3	0.4	0.0	0.0	0.0
21°	3.7	1.1	0.3	0.0	0.0	0.0
22°	3.4	1.0	0.2	0.0	0.0	0.0
23°	3.2	0.9	0.2	0.0	0.0	0.0
24°	2.9	0.8	0.1	0.0	0.0	0.0
25°	2.7	0.7	0.1	0.0	0.0	0.0
26°	2.5	0.6	0.1	0.0	0.0	0.0
27°	2.3	0.5	0.0	0.0	0.0	0.0
28°	2.1	0.5	0.0	0.0	0.0	0.0
29°	1.8	0.4	0.0	0.0	0.0	0.0
30°	1.5	0.3	0.0	0.0	0.0	0.0
31°	1.3	0.3	0.0	0.0	0.0	0.0
32°	1.1	0.2	0.0	0.0	0.0	0.0
33°	0.9	0.2	0.0	0.0	0.0	0.0
34°	0.8	0.2	0.0	0.0	0.0	0.0
35°	0.7	0.2	0.0	0.0	0.0	0.0
36°	0.5	0.1	0.0	0.0	0.0	0.0
37°	0.5	0.1	0.0	0.0	0.0	0.0
38°	0.4	0.1	0.0	0.0	0.0	0.0
39°	0.3	0.0	0.0	0.0	0.0	0.0
40°	0.3	0.0	0.0	0.0	0.0	0.0
42.5°	0.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.1	0.0	0.0	0.1	0.1
47.5°	0.0	0.1	0.0	0.0	0.1	0.2
50°	0.0	0.1	0.1	0.1	0.2	0.3
52.5°	0.0	0.2	0.1	0.1	0.3	0.3
55°	0.1	0.2	0.1	0.2	0.4	0.4
57.5°	0.1	0.2	0.2	0.3	0.4	0.5
60°	0.2	0.3	0.3	0.3	0.5	0.5
62.5°	0.2	0.3	0.4	0.4	0.5	0.5
65°	0.2	0.4	0.4	0.4	0.5	0.5
67.5°	0.3	0.4	0.4	0.4	0.5	0.5
70°	0.3	0.4	0.4	0.4	0.5	0.5
72.5°	0.3	0.4	0.3	0.4	0.4	0.5
75°	0.3	0.4	0.3	0.3	0.4	0.4
77.5°	0.2	0.3	0.3	0.2	0.3	0.3
80°	0.2	0.3	0.2	0.2	0.3	0.3



TEST NUMBER: P1334537

CATALOG NUMBER: P3A02R20B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.2	0.3	0.2	0.1	0.2	0.2
85°	0.2	0.3	0.2	0.1	0.1	0.1
87.5°	0.2	0.3	0.2	0.1	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)