

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: P1334546

Luminaire Tested: P3A02R20B2750DE010 E3A301H_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334546
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 E3A301H_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

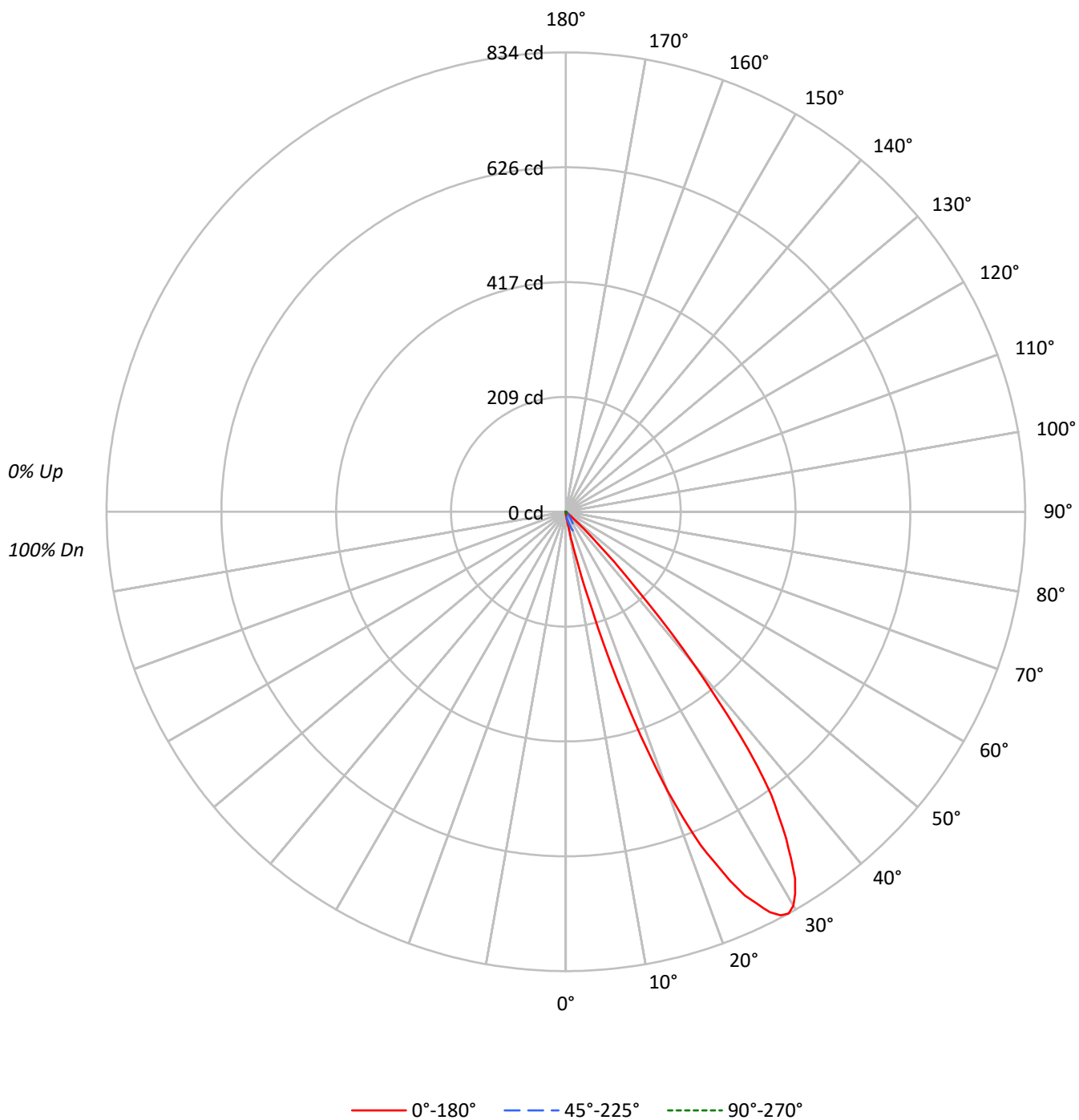
Lumens per Lamp: N/A
Luminaire Lumens: 116.9 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.53 / 1.19
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1334546

CATALOG NUMBER: P3A02R20B2750DE010 E3A301H_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1334546

CATALOG NUMBER: P3A02R20B2750DE010 E3A301H_5000K

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	76	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	58	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°	877	877	877	877	877
5°	2025	1519	836	506	440
10°	6413	2650	690	289	223
15°	41499	4881	499	91	23
20°	125241	8377	350	0	0
25°	185987	8444	194	0	0
30°	209146	6431	76	0	0
35°	180451	3828	54	0	0
40°	103909	1317	0	0	0
45°	25336	527	31	0	31
50°	3036	136	34	34	102
55°	421	0	76	76	153
60°	44	0	132	132	219
65°	52	52	208	208	311
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: 25522 cd/sqm

TEST NUMBER: P1334546

CATALOG NUMBER: P3A02R20B2750DE010 E3A301H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.5
10°-20°	10.8	9.3
20°-30°	47.3	40.4
30°-40°	47.6	40.7
40°-50°	9.5	8.2
50°-60°	0.5	0.4
60°-70°	0.3	0.3
70°-80°	0.3	0.2
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°	58.6	50.1
0°-40°	106.2	90.8
0°-60°	116.2	99.4
0°-90°	116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4	4	4	4	4	
5°	9	7	4	2	2	1
15°	183	22	2	0	0	72
25°	769	35	1	0	0	347
35°	674	14	0	0	0	401
45°	82	2	0	0	0	89
55°	1	0	0	0	0	2
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334546

CATALOG NUMBER: P3A02R20B2750DE010 E3A301H_5000K

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	6.1	6.1	5.9	5.9	5.8	5.9	5.7	5.8	5.8	5.7	5.2
5°	9.2	9.4	9.3	9.3	9.2	9.3	9.1	8.9	8.7	8.7	6.9
7.5°	15.2	15.1	14.9	15.0	14.6	14.4	14.2	14.1	13.5	13.2	9.0
10°	28.8	29.4	28.9	28.8	26.9	26.7	25.5	23.7	22.1	21.2	11.9
12.5°	79.2	82.6	77.3	74.7	73.2	67.5	65.1	58.8	52.8	48.2	15.1
15°	182.8	191.2	180.4	181.2	172.3	155.9	141.6	129.3	114.7	100.1	21.5
17.5°	358.1	351.3	345.5	335.6	317.5	293.5	262.6	231.3	204.2	175.9	30.0
20°	536.7	530.6	517.4	495.8	472.7	437.1	400.4	353.4	307.8	265.2	35.9
21°	598.1	596.1	574.4	561.1	525.4	491.5	449.1	398.8	347.5	297.0	36.8
22°	653.0	640.9	629.2	609.6	574.1	537.2	490.1	437.1	381.5	325.3	36.9
23°	691.0	685.5	674.5	652.3	617.0	573.6	523.9	468.5	409.9	345.4	36.6
24°	733.0	726.0	709.9	684.0	648.5	605.6	548.9	493.9	430.2	362.3	35.8
25°	768.7	757.8	738.7	710.8	671.9	627.6	570.6	510.2	444.3	373.6	34.9
26°	791.9	785.9	761.4	731.0	689.4	643.8	585.6	522.8	453.5	378.8	33.5
27°	815.9	805.0	780.9	746.0	700.9	654.3	594.1	528.8	456.6	379.0	31.8
28°	829.7	817.9	790.6	753.9	708.3	660.1	599.0	530.7	456.0	375.8	29.8
29°	834.1	819.1	792.5	755.1	710.1	660.6	598.2	528.0	450.4	367.7	27.5
30°	826.0	810.7	785.5	749.1	704.4	655.2	591.3	518.8	440.4	356.1	25.4
31°	808.4	795.5	771.0	734.5	691.7	642.8	575.7	503.9	423.4	340.6	22.9
32°	785.2	772.4	748.4	715.4	671.8	622.6	554.4	480.5	403.5	317.5	20.5
33°	750.2	742.9	721.4	689.8	646.2	593.6	525.7	452.6	375.0	291.8	18.4
34°	714.9	705.7	690.6	656.1	609.2	556.6	488.4	414.1	340.3	263.0	16.3
35°	674.1	668.6	644.9	617.3	570.2	516.5	448.7	376.6	299.9	231.0	14.3
36°	634.7	626.2	599.2	570.0	524.3	466.2	399.2	331.5	264.9	200.9	12.2
37°	577.3	564.4	545.2	514.4	460.9	411.4	350.3	287.4	222.0	168.5	9.9
38°	509.9	503.9	477.2	446.2	402.0	355.1	294.6	241.3	183.1	140.6	7.5
39°	430.4	430.3	404.8	382.4	339.1	296.9	242.3	195.8	151.2	113.3	5.8
40°	363.0	350.5	334.8	306.7	273.4	237.6	189.8	153.3	117.3	91.3	4.6
42.5°	190.3	189.3	180.0	158.9	140.3	119.2	94.8	79.0	61.8	50.3	2.9
45°	81.7	82.3	75.9	72.7	65.5	56.7	47.9	39.9	34.2	27.7	1.7
47.5°	20.7	19.8	19.6	20.4	20.4	19.7	17.7	16.7	15.4	14.1	1.0
50°	8.9	8.7	8.5	8.5	8.0	7.6	7.1	6.5	5.9	5.3	0.4
52.5°	3.3	3.4	3.5	3.4	3.4	3.3	3.3	3.2	2.9	2.5	0.2
55°	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.2	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



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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	0.1
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



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CATALOG NUMBER: P3A02R20B2750DE010 E3A301H_5000K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	4.7	4.1	3.5	3.0	2.9	2.8
5°	5.2	3.8	2.9	2.3	2.1	2.0
7.5°	5.6	3.5	2.3	1.7	1.5	1.4
10°	5.8	3.1	1.9	1.3	1.0	1.0
12.5°	5.9	2.7	1.4	0.8	0.5	0.5
15°	5.8	2.2	1.1	0.4	0.1	0.1
17.5°	5.3	1.8	0.6	0.1	0.0	0.0
20°	4.6	1.5	0.4	0.0	0.0	0.0
21°	4.4	1.3	0.3	0.0	0.0	0.0
22°	4.0	1.2	0.2	0.0	0.0	0.0
23°	3.7	1.1	0.2	0.0	0.0	0.0
24°	3.4	1.0	0.1	0.0	0.0	0.0
25°	3.2	0.8	0.1	0.0	0.0	0.0
26°	3.0	0.7	0.1	0.0	0.0	0.0
27°	2.7	0.6	0.0	0.0	0.0	0.0
28°	2.4	0.5	0.0	0.0	0.0	0.0
29°	2.1	0.4	0.0	0.0	0.0	0.0
30°	1.8	0.3	0.0	0.0	0.0	0.0
31°	1.5	0.3	0.0	0.0	0.0	0.0
32°	1.3	0.2	0.0	0.0	0.0	0.0
33°	1.1	0.2	0.0	0.0	0.0	0.0
34°	1.0	0.2	0.0	0.0	0.0	0.0
35°	0.8	0.2	0.0	0.0	0.0	0.0
36°	0.6	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	0.6
65°	0.2	0.4	0.4	0.4	0.5	0.6
67.5°	0.3	0.4	0.4	0.4	0.5	0.6
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



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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)