

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: P1338064

Luminaire Tested: P3A05R30B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30B2750DE010 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

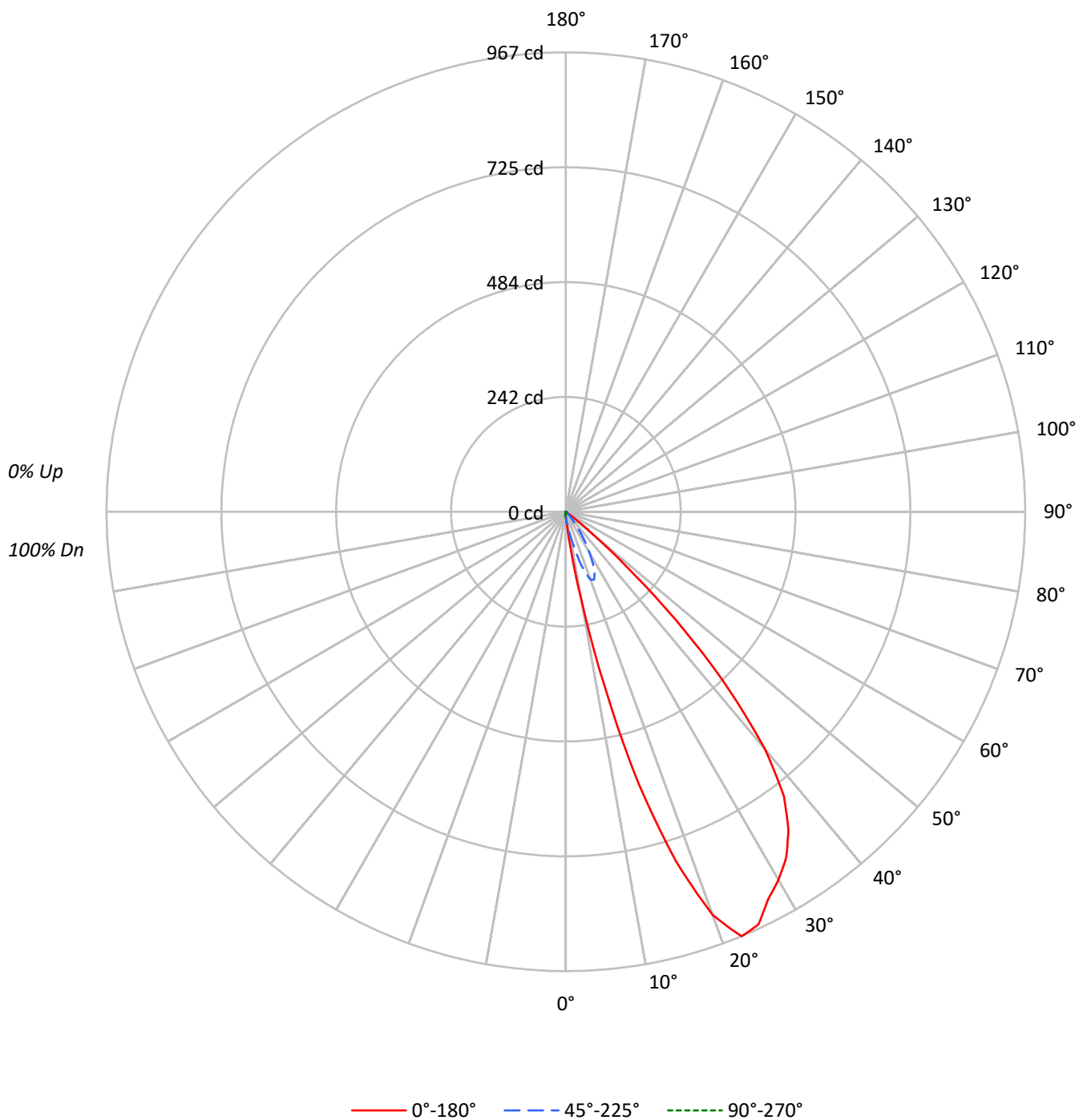
Lumens per Lamp: N/A
Luminaire Lumens: 227.9 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1338064

CATALOG NUMBER: P3A05R30B2750DE010 E3A301WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1338064

CATALOG NUMBER: P3A05R30B2750DE010 E3A301WMH_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	95	92	104	98	94	90	95	92	88	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	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	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	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2368	2368	2368	2368	2368
5°	7154	4777	2245	1013	836
10°	41415	10109	1759	468	334
15°	134757	22929	1226	91	45
20°	210858	35493	770	0	0
25°	231981	34671	411	0	0
30°	226567	25017	152	0	0
35°	218678	14214	54	0	0
40°	186492	6011	0	0	0
45°	109438	2264	62	0	62
50°	26575	443	68	68	205
55°	2294	0	153	229	306
60°	88	0	175	263	439
65°	104	104	311	311	519
70°	128	128	385	385	513
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 109438 cd/sqm

TEST NUMBER: P1338064

CATALOG NUMBER: P3A05R30B2750DE010 E3A301WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.9
10°-20°	31.3	13.7
20°-30°	79.6	34.9
30°-40°	79.4	34.8
40°-50°	32.2	14.1
50°-60°	2.2	1.0
60°-70°	0.5	0.2
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°	113.0	49.6
0°-40°	192.3	84.4
0°-60°	226.7	99.5
0°-90°	227.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	32	22	10	5	4	8
15°	594	101	5	0	0	173
25°	959	143	2	0	0	433
35°	817	53	0	0	0	501
45°	353	7	0	0	0	269
55°	6	0	0	1	1	16
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1338064

CATALOG NUMBER: P3A05R30B2750DE010 E3A301WMH_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
2.5°	17.9	18.1	18.1	17.7	17.5	17.5	16.9	16.7	16.0	15.4	13.3
5°	32.5	31.9	31.0	31.0	29.2	28.1	26.7	25.0	23.8	21.7	15.4
7.5°	73.8	68.8	67.3	65.4	58.3	52.7	46.3	40.6	35.4	31.0	17.1
10°	186.0	176.3	168.1	151.7	131.0	111.3	92.9	71.7	57.1	45.4	18.3
12.5°	374.8	361.7	346.1	316.1	277.5	228.1	184.4	137.7	96.7	66.9	18.8
15°	593.6	571.3	546.9	508.8	445.6	374.8	295.8	221.5	155.2	101.0	18.3
17.5°	771.9	763.1	727.1	675.0	597.7	506.5	409.2	307.5	209.4	132.3	17.1
20°	903.6	897.5	854.0	798.6	711.5	606.9	483.3	361.3	247.1	152.1	15.2
22.5°	967.1	966.1	934.6	877.9	785.6	667.1	531.1	392.3	258.8	154.8	12.7
25°	958.8	962.5	944.6	902.5	814.0	691.9	545.2	392.3	250.2	143.3	10.6
27.5°	920.9	923.4	912.1	879.8	797.3	674.0	525.4	367.1	225.4	123.1	8.8
30°	894.8	895.9	881.9	847.3	759.8	633.1	478.8	320.4	187.9	98.8	6.5
32.5°	863.2	862.9	846.7	807.1	710.6	575.9	419.6	264.8	144.4	75.0	3.8
35°	816.9	811.7	789.6	744.0	637.3	498.8	344.0	201.7	104.0	53.1	2.3
37.5°	753.4	739.8	708.6	647.5	534.4	391.1	255.0	141.7	71.0	35.2	1.5
40°	651.5	637.1	594.6	520.4	404.2	281.5	171.9	92.3	44.8	21.0	0.8
42.5°	510.8	501.1	443.8	369.8	266.9	179.6	103.3	54.6	25.2	12.1	0.2
45°	352.9	340.2	295.2	232.5	160.2	99.6	57.9	28.5	14.4	7.3	0.0
47.5°	194.8	179.2	153.1	120.4	80.6	52.3	29.2	15.4	8.1	3.5	0.0
50°	77.9	77.3	61.5	43.8	30.8	23.8	14.6	8.3	4.2	1.3	0.2
52.5°	27.3	27.3	23.5	19.2	15.0	10.8	7.3	4.0	1.5	0.4	0.2
55°	6.0	6.7	6.3	5.8	5.6	4.8	3.1	1.5	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.8	1.0	1.0	0.8	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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: P1338064

CATALOG NUMBER: P3A05R30B2750DE010 E3A301WMH_5000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	10.8	10.8	10.8	10.8	10.8
2.5°	10.8	8.5	7.1	6.3	6.0
5°	10.2	6.5	4.6	4.0	3.8
7.5°	9.2	4.8	3.1	2.5	2.3
10°	7.9	3.5	2.1	1.5	1.5
12.5°	6.7	2.7	1.3	0.6	0.4
15°	5.4	1.7	0.4	0.2	0.2
17.5°	4.2	1.0	0.0	0.0	0.0
20°	3.3	0.4	0.0	0.0	0.0
22.5°	2.5	0.2	0.0	0.0	0.0
25°	1.7	0.0	0.0	0.0	0.0
27.5°	1.0	0.0	0.0	0.0	0.0
30°	0.6	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.8	0.8
57.5°	0.4	0.4	0.6	0.8	0.8
60°	0.4	0.4	0.6	0.8	1.0
62.5°	0.6	0.6	0.6	0.8	0.8
65°	0.6	0.6	0.6	0.8	1.0
67.5°	0.6	0.6	0.6	0.8	1.0
70°	0.6	0.6	0.6	0.8	0.8
72.5°	0.8	0.6	0.6	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)