

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: P1338038

Luminaire Tested: P3A05R30B2750DE010 E3A301GPH_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338038
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 E3A301GPH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

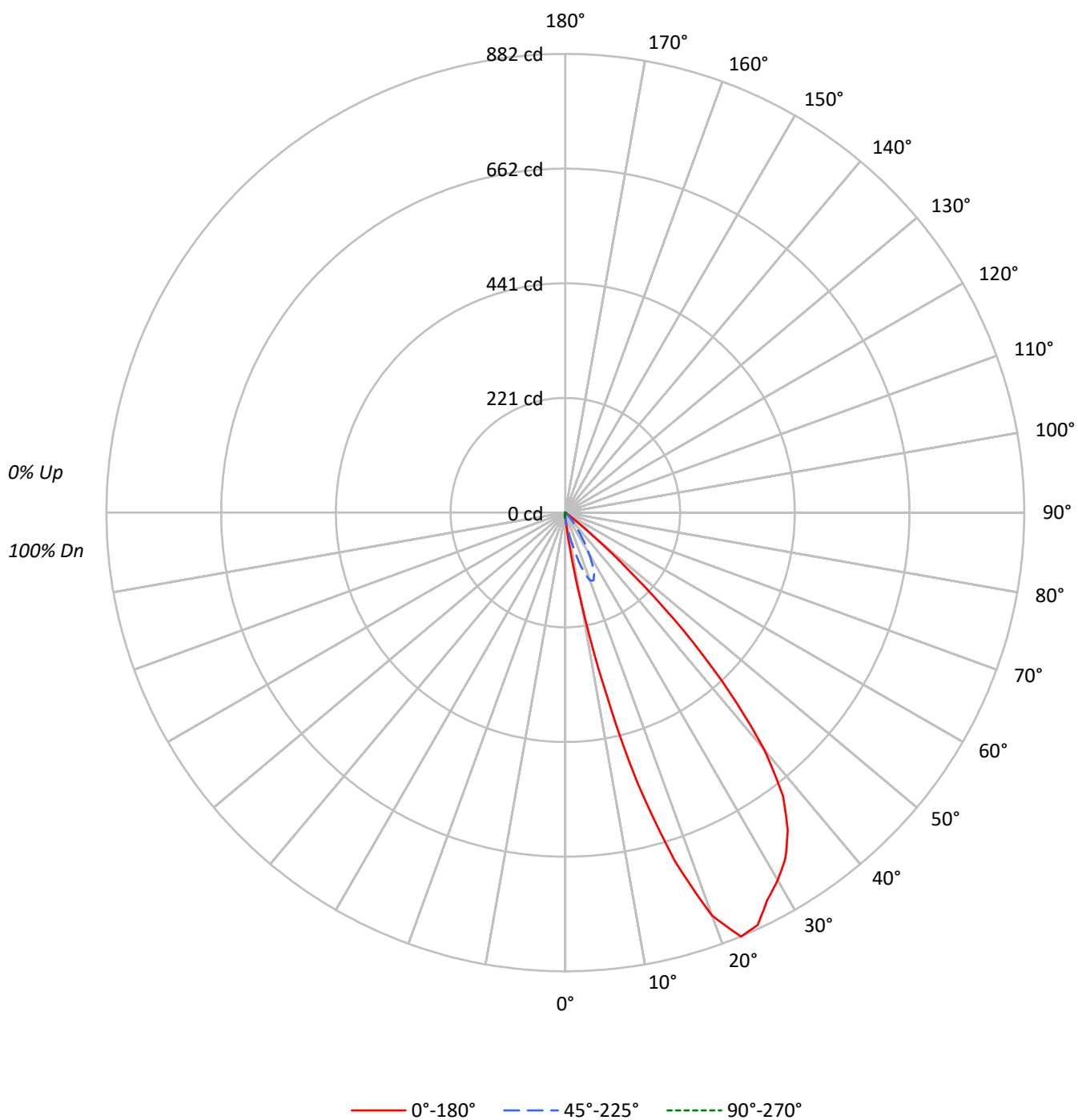
Lumens per Lamp: N/A
Luminaire Lumens: 208.1 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1338038

CATALOG NUMBER: P3A05R30B2750DE010 E3A301GPH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1338038

CATALOG NUMBER: P3A05R30B2750DE010 E3A301GPH_4000K

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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	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	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2171	2171	2171	2171	2171
5°	6538	4358	2047	924	748
10°	37786	9218	1603	423	289
15°	122929	20931	1112	91	45
20°	192353	32366	700	0	0
25°	211633	31647	363	0	0
30°	206690	22814	152	0	0
35°	199484	12983	54	0	0
40°	170119	5496	0	0	0
45°	99855	2078	62	0	62
50°	24255	375	68	68	205
55°	2103	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: 99855 cd/sqm

TEST NUMBER: P1338038

CATALOG NUMBER: P3A05R30B2750DE010 E3A301GPH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.9
10°-20°	28.6	13.7
20°-30°	72.6	34.9
30°-40°	72.4	34.8
40°-50°	29.3	14.1
50°-60°	2.0	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°	103.1	49.5
0°-40°	175.5	84.3
0°-60°	206.8	99.4
0°-90°	208.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	30	20	9	4	3	7
15°	542	92	5	0	0	158
25°	875	131	2	0	0	395
35°	745	48	0	0	0	457
45°	322	7	0	0	0	246
55°	6	0	0	1	1	14
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: P1338038

CATALOG NUMBER: P3A05R30B2750DE010 E3A301GPH_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
2.5°	16.3	16.5	16.5	16.2	16.0	16.0	15.4	15.2	14.6	14.1	12.2
5°	29.7	29.1	28.3	28.3	26.6	25.7	24.3	22.8	21.7	19.8	14.1
7.5°	67.3	62.7	61.4	59.7	53.2	48.1	42.2	37.1	32.3	28.3	15.6
10°	169.7	160.8	153.4	138.4	119.6	101.5	84.8	65.4	52.1	41.4	16.7
12.5°	341.9	330.0	315.7	288.3	253.2	208.1	168.2	125.6	88.2	61.0	17.1
15°	541.5	521.2	498.9	464.1	406.5	341.9	269.9	202.0	141.6	92.2	16.7
17.5°	704.2	696.2	663.3	615.8	545.3	462.0	373.3	280.5	191.0	120.7	15.6
20°	824.3	818.8	779.1	728.5	649.1	553.7	440.9	329.6	225.4	138.7	13.9
22.5°	882.3	881.3	852.6	800.9	716.7	608.6	484.5	357.9	236.1	141.2	11.6
25°	874.7	878.1	861.8	823.4	742.6	631.2	497.4	357.9	228.3	130.8	9.7
27.5°	840.1	842.4	832.1	802.6	727.4	614.9	479.3	334.9	205.6	112.3	8.0
30°	816.3	817.3	804.5	773.0	693.2	577.6	436.8	292.3	171.4	90.1	5.9
32.5°	787.4	787.2	772.4	736.3	648.3	525.3	382.8	241.6	131.7	68.4	3.4
35°	745.2	740.5	720.3	678.7	581.4	455.0	313.8	184.0	94.8	48.5	2.1
37.5°	687.3	674.9	646.4	590.7	487.5	356.8	232.6	129.2	64.8	32.1	1.3
40°	594.3	581.2	542.4	474.8	368.7	256.8	156.8	84.2	40.9	19.2	0.8
42.5°	466.0	457.1	404.8	337.4	243.5	163.8	94.3	49.8	23.0	11.0	0.2
45°	322.0	310.4	269.3	212.1	146.2	90.9	52.8	26.0	13.1	6.7	0.0
47.5°	177.7	163.5	139.7	109.9	73.6	47.7	26.6	14.1	7.4	3.2	0.0
50°	71.1	70.5	56.1	39.9	28.1	21.7	13.3	7.6	3.8	1.1	0.2
52.5°	24.9	24.9	21.5	17.5	13.7	9.9	6.7	3.6	1.3	0.4	0.2
55°	5.5	6.1	5.7	5.3	5.1	4.4	2.9	1.3	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: P1338038

CATALOG NUMBER: P3A05R30B2750DE010 E3A301GPH_4000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	9.9	9.9	9.9	9.9	9.9
2.5°	9.9	7.8	6.5	5.7	5.5
5°	9.3	5.9	4.2	3.6	3.4
7.5°	8.4	4.4	2.9	2.3	2.1
10°	7.2	3.2	1.9	1.3	1.3
12.5°	6.1	2.5	1.1	0.6	0.4
15°	4.9	1.5	0.4	0.2	0.2
17.5°	3.8	1.0	0.0	0.0	0.0
20°	3.0	0.4	0.0	0.0	0.0
22.5°	2.3	0.2	0.0	0.0	0.0
25°	1.5	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)