

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: P1338039

Luminaire Tested: P3A05R30B2750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338039
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

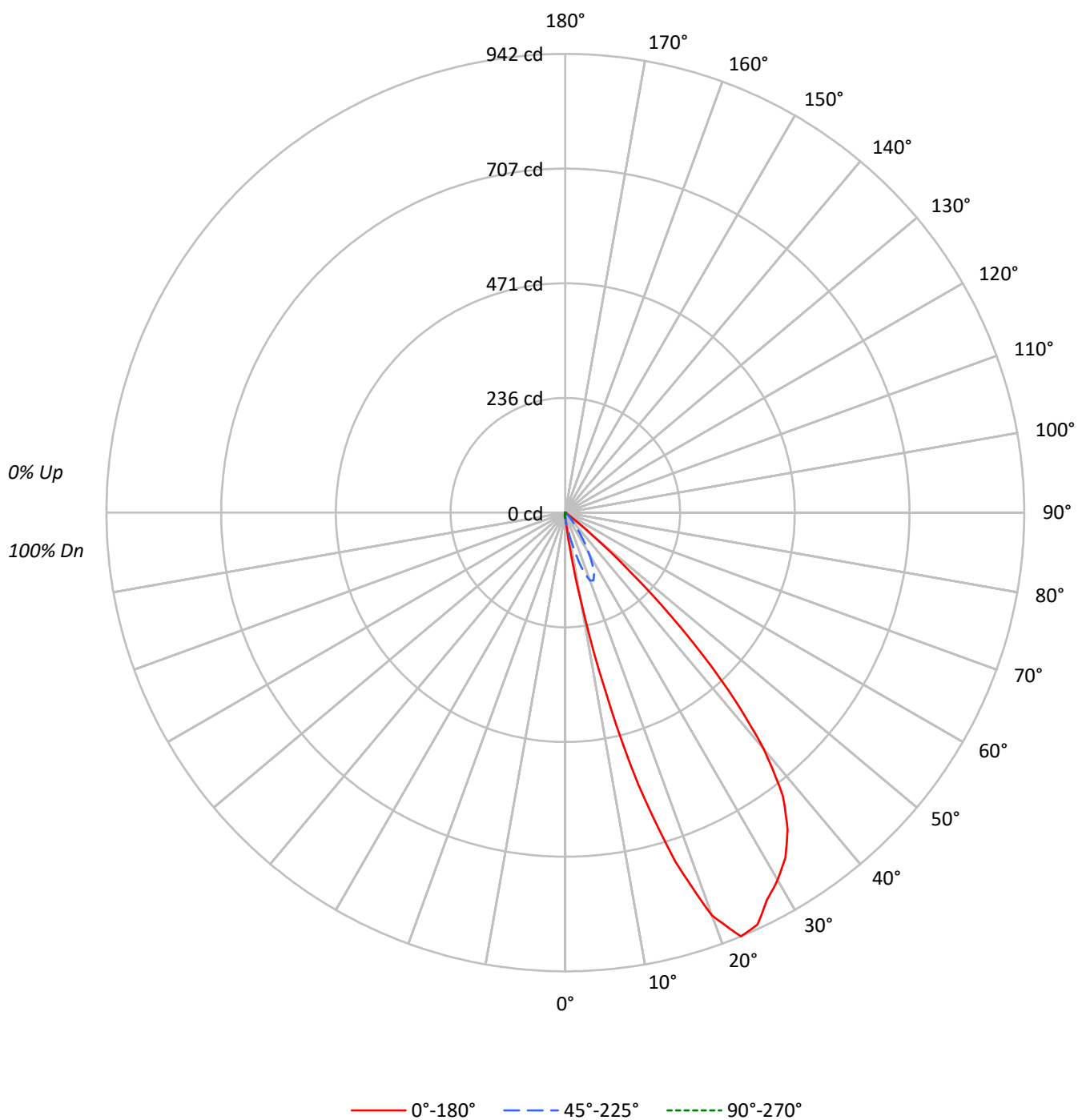
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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					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	88	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	64	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	67	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°	2302	2302	2302	2302	2302
5°	6956	4644	2179	991	814
10°	40347	9842	1715	445	312
15°	131193	22338	1203	91	45
20°	205305	34560	747	0	0
25°	225860	33776	387	0	0
30°	220616	24358	152	0	0
35°	212922	13840	54	0	0
40°	181569	5868	0	0	0
45°	106554	2202	62	0	62
50°	25893	409	68	68	205
55°	2256	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: 106554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	30.5	13.7
20°-30°	77.5	34.9
30°-40°	77.3	34.8
40°-50°	31.3	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°	110.0	49.5
0°-40°	187.3	84.4
0°-60°	220.7	99.4
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	32	21	10	4	4	7
15°	578	98	5	0	0	168
25°	934	140	2	0	0	422
35°	795	52	0	0	0	488
45°	344	7	0	0	0	262
55°	6	0	0	1	1	15
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	17.4	17.6	17.6	17.2	17.0	17.0	16.4	16.2	15.6	15.0	13.0
5°	31.6	31.0	30.2	30.2	28.4	27.4	26.0	24.3	23.1	21.1	15.0
7.5°	71.8	66.9	65.5	63.7	56.8	51.3	45.0	39.6	34.5	30.2	16.6
10°	181.2	171.6	163.7	147.7	127.6	108.3	90.5	69.8	55.6	44.2	17.9
12.5°	364.9	352.2	336.9	307.7	270.2	222.1	179.5	134.1	94.1	65.1	18.3
15°	577.9	556.2	532.5	495.4	433.9	364.9	288.1	215.6	151.1	98.4	17.9
17.5°	751.6	743.1	708.0	657.3	582.0	493.1	398.4	299.4	203.9	128.8	16.6
20°	879.8	873.9	831.5	777.6	692.8	590.9	470.6	351.8	240.6	148.1	14.8
22.5°	941.7	940.6	910.0	854.8	765.0	649.5	517.1	382.0	251.9	150.7	12.4
25°	933.5	937.2	919.8	878.8	792.6	673.7	530.9	382.0	243.6	139.6	10.3
27.5°	896.6	899.1	888.1	856.7	776.3	656.2	511.6	357.4	219.5	119.9	8.5
30°	871.3	872.3	858.7	825.0	739.8	616.5	466.2	312.0	183.0	96.2	6.3
32.5°	840.4	840.2	824.4	785.9	691.9	560.7	408.6	257.8	140.6	73.0	3.7
35°	795.4	790.3	768.8	724.4	620.5	485.6	334.9	196.4	101.2	51.7	2.2
37.5°	733.5	720.3	689.9	630.5	520.3	380.8	248.3	137.9	69.2	34.3	1.4
40°	634.3	620.3	579.0	506.7	393.5	274.1	167.4	89.9	43.6	20.5	0.8
42.5°	497.4	487.9	432.1	360.1	259.9	174.9	100.6	53.1	24.5	11.8	0.2
45°	343.6	331.3	287.4	226.4	156.0	97.0	56.4	27.8	14.0	7.1	0.0
47.5°	189.7	174.5	149.1	117.3	78.5	50.9	28.4	15.0	7.9	3.4	0.0
50°	75.9	75.3	59.8	42.6	30.0	23.1	14.2	8.1	4.1	1.2	0.2
52.5°	26.6	26.6	22.9	18.7	14.6	10.5	7.1	3.9	1.4	0.4	0.2
55°	5.9	6.5	6.1	5.7	5.5	4.7	3.0	1.4	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



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	10.5	10.5	10.5	10.5	10.5
2.5°	10.5	8.3	6.9	6.1	5.9
5°	9.9	6.3	4.5	3.9	3.7
7.5°	8.9	4.7	3.0	2.4	2.2
10°	7.7	3.4	2.0	1.4	1.4
12.5°	6.5	2.6	1.2	0.6	0.4
15°	5.3	1.6	0.4	0.2	0.2
17.5°	4.1	1.0	0.0	0.0	0.0
20°	3.2	0.4	0.0	0.0	0.0
22.5°	2.4	0.2	0.0	0.0	0.0
25°	1.6	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)