

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: P1338099

Luminaire Tested: P3A05R30B2750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338099
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 E3CA301MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

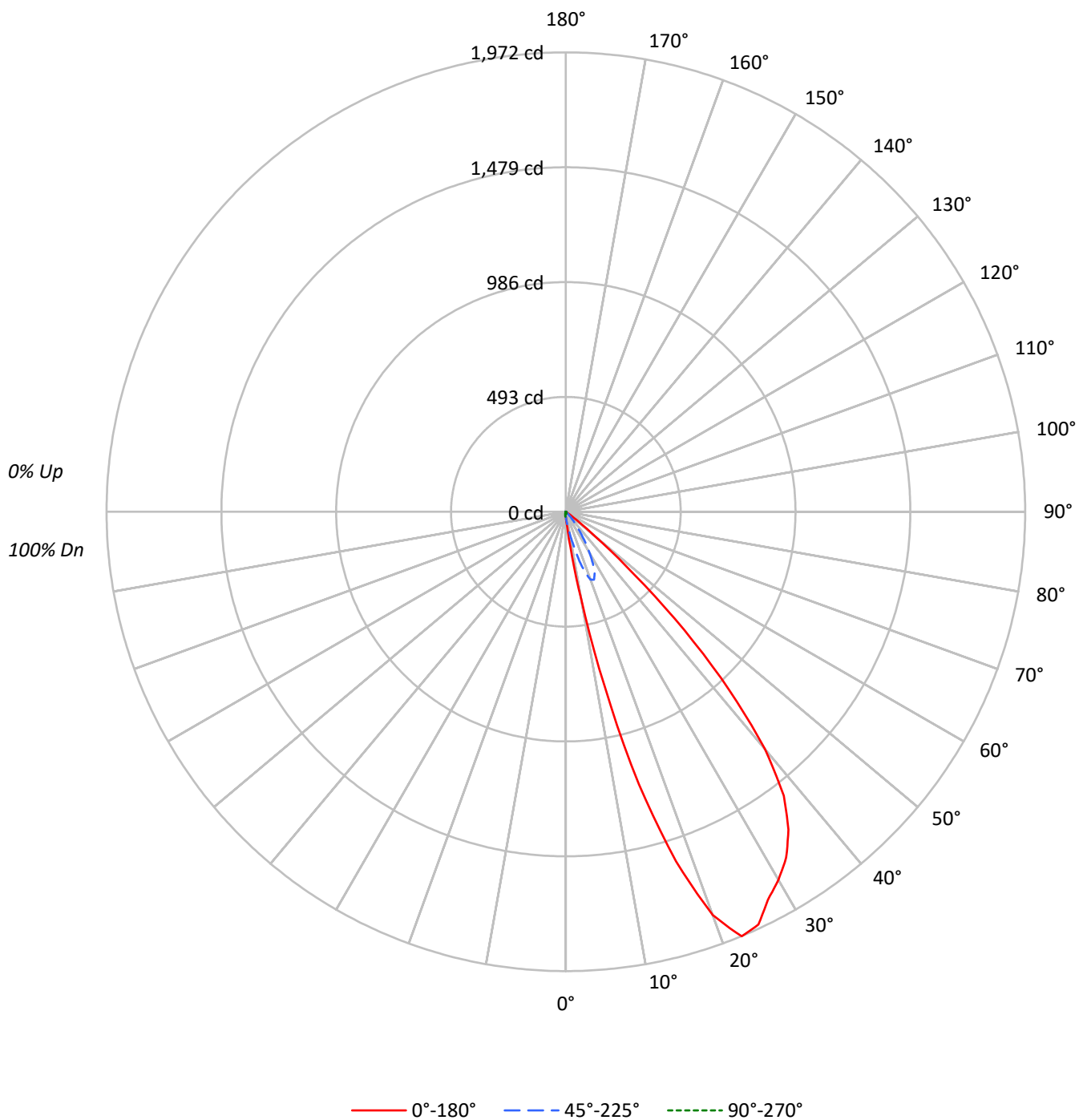
Lumens per Lamp: N/A
Luminaire Lumens: 464.9 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
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°	4846	4846	4846	4846	4846
5°	14594	9729	4578	2047	1673
10°	84479	20619	3585	935	668
15°	274826	46788	2497	182	91
20°	430024	72386	1587	0	0
25°	473108	70722	823	0	0
30°	462096	50995	329	0	0
35°	445975	29018	107	0	0
40°	380341	12280	0	0	0
45°	223217	4621	124	0	124
50°	54207	853	136	136	443
55°	4702	0	306	497	650
60°	175	0	351	570	921
65°	208	208	675	675	1090
70°	256	256	833	833	1090
75°	0	339	1101	1101	1101
80°	0	505	1642	1010	1010
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 223217 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.9
10°-20°	63.9	13.7
20°-30°	162.4	34.9
30°-40°	161.9	34.8
40°-50°	65.6	14.1
50°-60°	4.5	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	230.4	49.5
0°-40°	392.2	84.4
0°-60°	462.3	99.4
0°-90°	464.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	66	44	21	9	8	15
15°	1211	206	11	1	0	352
25°	1955	292	3	0	0	883
35°	1666	108	0	0	0	1021
45°	720	15	0	0	0	549
55°	12	0	1	1	2	32
65°	0	0	1	1	2	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°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
2.5°	36.5	37.0	37.0	36.1	35.7	35.7	34.4	34.0	32.7	31.4	27.2
5°	66.3	65.0	63.3	63.3	59.5	57.4	54.4	51.0	48.4	44.2	31.4
7.5°	150.4	140.2	137.2	133.4	119.0	107.5	94.3	82.9	72.2	63.3	34.8
10°	379.4	359.5	342.9	309.3	267.3	226.9	189.5	146.2	116.4	92.6	37.4
12.5°	764.4	737.6	705.8	644.6	566.0	465.3	376.0	280.9	197.2	136.4	38.2
15°	1210.6	1165.1	1115.4	1037.6	908.9	764.4	603.4	451.7	316.6	206.1	37.4
17.5°	1574.3	1556.4	1482.9	1376.7	1219.0	1032.9	834.5	627.2	427.0	269.8	34.8
20°	1842.8	1830.5	1741.7	1628.7	1451.0	1237.7	985.8	736.8	503.9	310.2	31.0
22.5°	1972.4	1970.3	1906.1	1790.5	1602.3	1360.5	1083.1	800.1	527.7	315.7	25.9
25°	1955.4	1963.1	1926.5	1840.7	1660.1	1411.1	1112.0	800.1	510.3	292.3	21.7
27.5°	1878.1	1883.2	1860.2	1794.4	1626.1	1374.6	1071.6	748.7	459.7	251.1	17.8
30°	1825.0	1827.1	1798.6	1728.1	1549.6	1291.3	976.4	653.5	383.3	201.4	13.2
32.5°	1760.4	1760.0	1726.8	1646.1	1449.3	1174.4	855.8	540.1	294.5	153.0	7.6
35°	1666.0	1655.4	1610.4	1517.3	1299.8	1017.2	701.5	411.3	212.0	108.4	4.7
37.5°	1536.5	1508.8	1445.1	1320.6	1089.9	797.5	520.1	288.9	144.9	71.8	3.0
40°	1328.7	1299.4	1212.7	1061.4	824.3	574.0	350.5	188.2	91.4	42.9	1.7
42.5°	1041.9	1021.9	905.0	754.2	544.3	366.3	210.8	111.3	51.4	24.6	0.4
45°	719.8	693.9	602.1	474.2	326.8	203.1	118.1	58.2	29.3	14.9	0.0
47.5°	397.3	365.4	312.3	245.6	164.4	106.7	59.5	31.4	16.6	7.2	0.0
50°	158.9	157.6	125.3	89.2	62.9	48.4	29.7	17.0	8.5	2.5	0.4
52.5°	55.7	55.7	48.0	39.1	30.6	22.1	14.9	8.1	3.0	0.8	0.4
55°	12.3	13.6	12.7	11.9	11.5	9.8	6.4	3.0	0.8	0.0	0.4
57.5°	1.3	1.3	1.3	1.7	2.1	2.1	1.7	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	22.1	22.1	22.1	22.1	22.1
2.5°	22.1	17.4	14.4	12.7	12.3
5°	20.8	13.2	9.3	8.1	7.6
7.5°	18.7	9.8	6.4	5.1	4.7
10°	16.1	7.2	4.2	3.0	3.0
12.5°	13.6	5.5	2.5	1.3	0.8
15°	11.0	3.4	0.8	0.4	0.4
17.5°	8.5	2.1	0.0	0.0	0.0
20°	6.8	0.8	0.0	0.0	0.0
22.5°	5.1	0.4	0.0	0.0	0.0
25°	3.4	0.0	0.0	0.0	0.0
27.5°	2.1	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.3
52.5°	0.8	0.4	0.8	1.3	1.3
55°	0.8	0.8	1.3	1.7	1.7
57.5°	0.8	0.8	1.3	1.7	1.7
60°	0.8	0.8	1.3	1.7	2.1
62.5°	1.3	1.3	1.3	1.7	1.7
65°	1.3	1.3	1.3	1.7	2.1
67.5°	1.3	1.3	1.3	1.7	2.1
70°	1.3	1.3	1.3	1.7	1.7
72.5°	1.7	1.3	1.3	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	0.8	1.3	1.3
80°	1.3	0.8	0.8	0.8	0.8
82.5°	1.3	0.8	0.8	0.8	0.8
85°	1.3	0.8	0.4	0.4	0.4
87.5°	1.3	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)