

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: P1319505

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R30B2750DE010 E3SQCA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

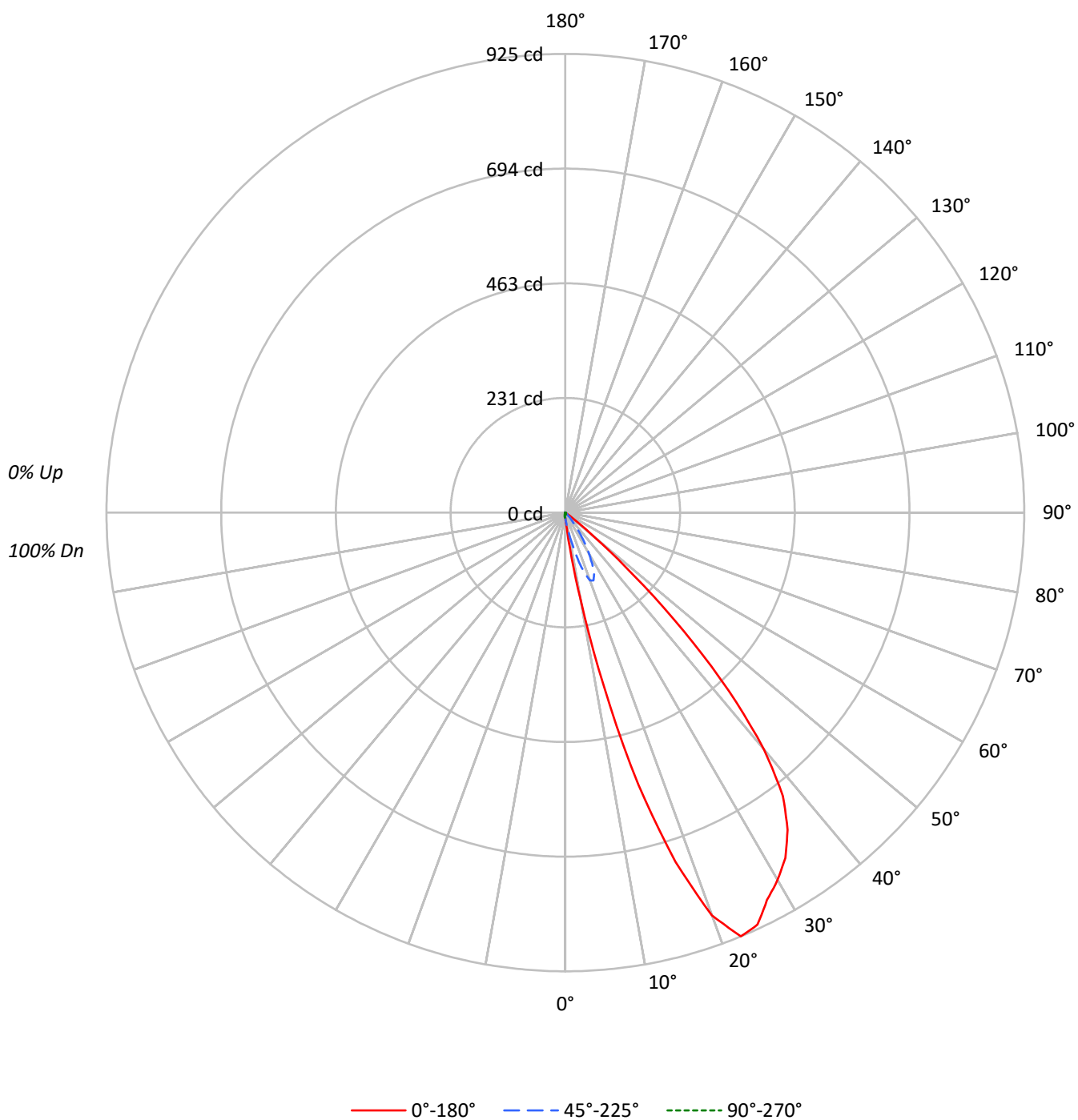
Lumens per Lamp: N/A
Luminaire Lumens: 218.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	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°	1791	1791	1791	1791	1791
5°	5377	3579	1694	761	622
10°	31111	7590	1329	350	245
15°	101184	17224	927	71	36
20°	158332	26648	586	0	0
25°	174197	26053	304	0	0
30°	170149	18773	119	0	0
35°	164222	10680	42	0	0
40°	140041	4519	0	0	0
45°	82177	1705	49	0	49
50°	19961	322	54	54	161
55°	1742	0	120	180	240
60°	69	0	138	207	344
65°	82	82	245	245	408
70°	101	101	302	302	403
75°	0	133	399	399	399
80°	0	198	595	397	397
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.9
10°-20°	30.0	13.7
20°-30°	76.1	34.9
30°-40°	75.9	34.8
40°-50°	30.7	14.1
50°-60°	2.1	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°	108.0	49.5
0°-40°	183.9	84.4
0°-60°	216.8	99.4
0°-90°	218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	31	21	10	4	4	7
15°	568	97	5	0	0	165
25°	917	137	2	0	0	414
35°	781	51	0	0	0	479
45°	337	7	0	0	0	257
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°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
2.5°	17.1	17.3	17.3	16.9	16.7	16.7	16.1	15.9	15.3	14.7	12.7
5°	31.1	30.5	29.7	29.7	27.9	26.9	25.5	23.9	22.7	20.7	14.7
7.5°	70.5	65.7	64.3	62.5	55.8	50.4	44.2	38.8	33.9	29.7	16.3
10°	177.9	168.5	160.8	145.0	125.3	106.4	88.8	68.5	54.6	43.4	17.5
12.5°	358.4	345.8	330.9	302.2	265.3	218.1	176.3	131.7	92.4	63.9	17.9
15°	567.5	546.2	522.9	486.5	426.1	358.4	282.9	211.8	148.4	96.6	17.5
17.5°	738.0	729.7	695.2	645.4	571.5	484.3	391.2	294.0	200.2	126.5	16.3
20°	863.9	858.2	816.5	763.5	680.3	580.3	462.1	345.4	236.3	145.4	14.5
22.5°	924.7	923.7	893.6	839.4	751.2	637.8	507.8	375.1	247.4	148.0	12.2
25°	916.7	920.3	903.2	862.9	778.3	661.6	521.3	375.1	239.2	137.1	10.2
27.5°	880.5	882.9	872.1	841.2	762.3	644.4	502.4	351.0	215.5	117.7	8.4
30°	855.6	856.6	843.2	810.2	726.5	605.4	457.8	306.4	179.7	94.4	6.2
32.5°	825.3	825.1	809.6	771.7	679.5	550.6	401.2	253.2	138.0	71.7	3.6
35°	781.1	776.1	755.0	711.4	609.4	476.9	328.9	192.8	99.4	50.8	2.2
37.5°	720.3	707.4	677.5	619.1	511.0	373.9	243.8	135.5	67.9	33.7	1.4
40°	622.9	609.2	568.5	497.6	386.5	269.1	164.3	88.2	42.8	20.1	0.8
42.5°	488.4	479.1	424.3	353.6	255.2	171.7	98.8	52.2	24.1	11.6	0.2
45°	337.4	325.3	282.3	222.3	153.2	95.2	55.4	27.3	13.7	7.0	0.0
47.5°	186.3	171.3	146.4	115.1	77.1	50.0	27.9	14.7	7.8	3.4	0.0
50°	74.5	73.9	58.8	41.8	29.5	22.7	13.9	8.0	4.0	1.2	0.2
52.5°	26.1	26.1	22.5	18.3	14.3	10.4	7.0	3.8	1.4	0.4	0.2
55°	5.8	6.4	6.0	5.6	5.4	4.6	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°	10.4	10.4	10.4	10.4	10.4
2.5°	10.4	8.2	6.8	6.0	5.8
5°	9.8	6.2	4.4	3.8	3.6
7.5°	8.8	4.6	3.0	2.4	2.2
10°	7.6	3.4	2.0	1.4	1.4
12.5°	6.4	2.6	1.2	0.6	0.4
15°	5.2	1.6	0.4	0.2	0.2
17.5°	4.0	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)