

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: P1319298

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

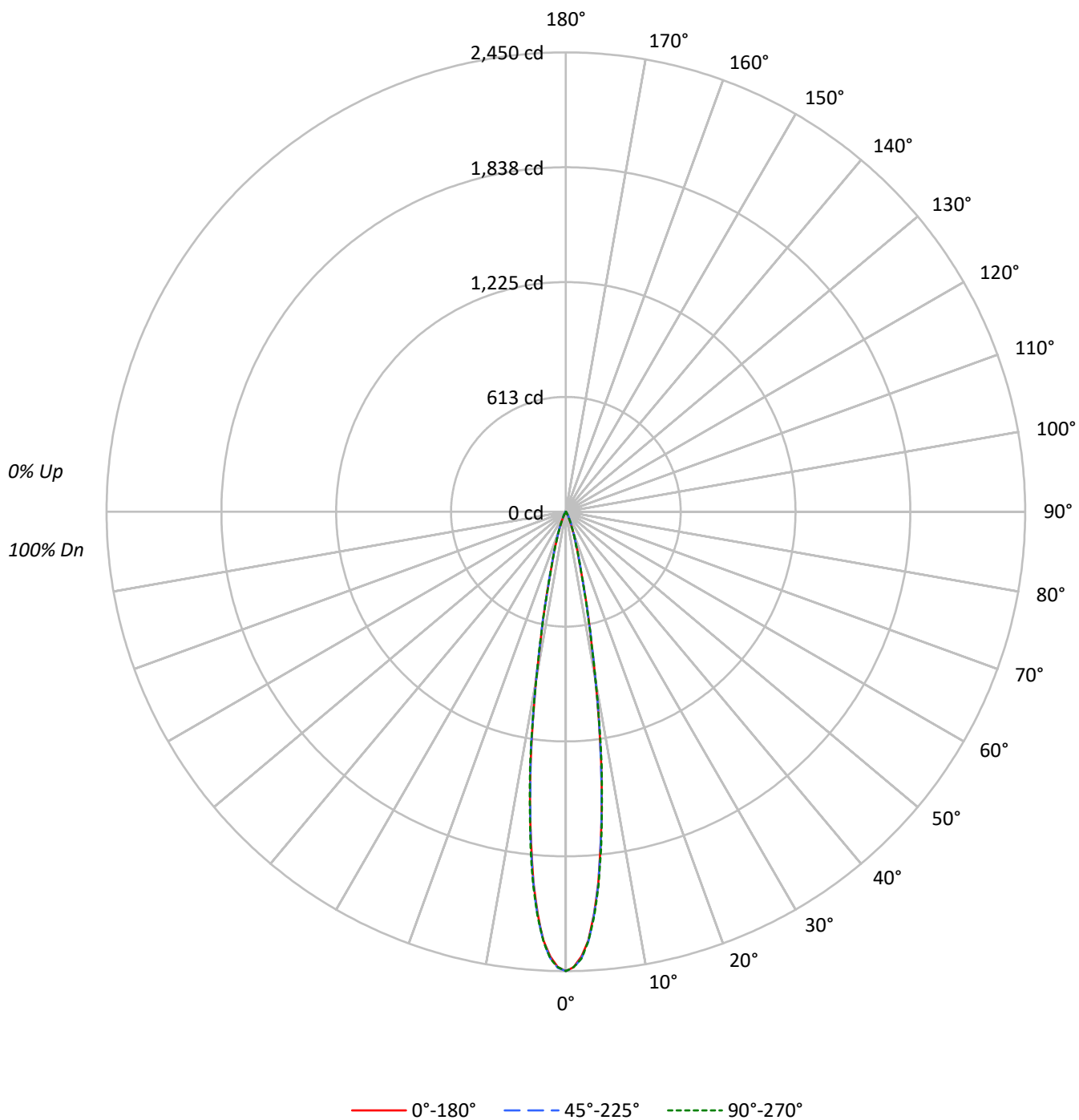
Lumens per Lamp: N/A
Luminaire Lumens: 274.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	93	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	421877	421877	421877
5°	343047	344240	345433
10°	159770	159910	159053
15°	49424	51207	50244
20°	19702	20820	19464
25°	8247	9729	7829
30°	3341	4474	3082
35°	1093	2039	1009
40°	382	832	382
45°	146	268	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	55.8
10°-20°	91.7	33.3
20°-30°	23.3	8.5
30°-40°	5.1	1.8
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	268.3	97.6
0°-40°	273.4	99.4
0°-60°	274.6	99.9
0°-90°	274.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2450	2450	2450	2450	2450	
5°	1984	1987	1991	1982	1998	153
15°	277	285	287	283	282	91
25°	43	46	51	45	41	22
35°	5	7	10	6	5	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2449.6	2449.6	2449.6	2449.6	2449.6
1°	2428.3	2432.4	2433.0	2432.4	2428.9
2°	2373.6	2385.7	2383.1	2377.9	2385.3
3°	2289.2	2295.2	2294.4	2294.8	2293.1
4°	2151.9	2162.5	2156.4	2160.9	2161.4
5°	1984.3	1987.1	1991.2	1982.2	1998.1
6°	1778.1	1796.0	1780.3	1795.8	1802.1
7°	1568.5	1578.8	1558.7	1569.5	1576.0
8°	1354.0	1335.9	1346.9	1347.1	1368.5
9°	1122.6	1126.2	1135.5	1125.0	1134.2
10°	913.6	922.0	914.4	910.8	909.5
11°	721.4	730.9	730.2	731.3	724.2
12°	580.4	575.4	578.7	568.1	572.8
13°	451.7	451.9	449.3	445.0	441.1
14°	353.9	351.7	357.8	352.4	347.4
15°	277.2	285.0	287.2	283.1	281.8
17.5°	171.0	171.2	174.2	170.4	169.9
20°	107.5	110.1	113.6	109.5	106.2
22.5°	68.0	70.4	75.8	70.6	66.1
25°	43.4	46.4	51.2	45.3	41.2
27.5°	27.2	30.0	34.5	29.1	26.1
30°	16.8	18.8	22.5	18.4	15.5
32.5°	9.7	11.7	14.7	11.0	9.3
35°	5.2	6.7	9.7	6.5	4.8
37.5°	3.0	3.9	6.3	3.5	2.8
40°	1.7	2.4	3.7	2.2	1.7
42.5°	1.1	1.5	1.7	1.3	0.9
45°	0.6	0.9	1.1	0.9	0.6
47.5°	0.4	0.6	0.9	0.4	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)