

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: P1319296

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319296
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

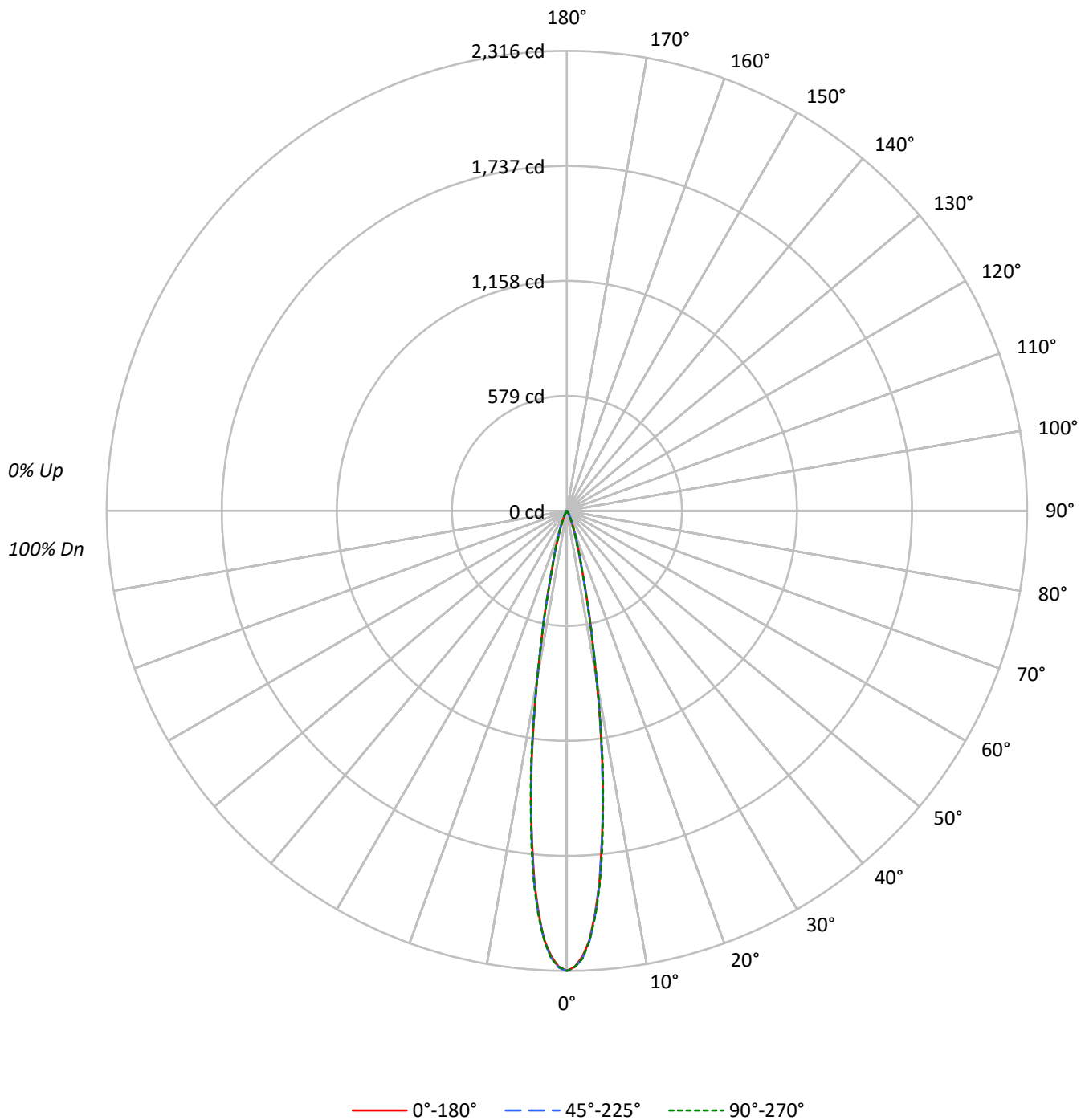
Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	97	96	95	94	93	92	91	90	89	88
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	91	90	89	88	87	86	85	84	83	82	81
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	89	88	87	86	85	84	83	82	81	80	79
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	86	85	84	83	82	81	80	79	78	77	76
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	84	83	82	81	80	79	78	77	76	75	74
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	83	82	81	80	79	78	77	76	75	74	73
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	82	81	80	79	78	77	76	75	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	398868	398868	398868
5°	324341	325465	326589
10°	151043	151201	150379
15°	46732	48408	47499
20°	18639	19684	18401
25°	7791	9197	7411
30°	3162	4216	2923
35°	1030	1934	946
40°	360	787	360
45°	146	244	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: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	55.8
10°-20°	86.7	33.3
20°-30°	22.1	8.5
30°-40°	4.8	1.8
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	0.1
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°	253.7	97.6
0°-40°	258.5	99.4
0°-60°	259.6	99.9
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2316	2316	2316	2316	2316	
5°	1876	1879	1883	1874	1889	145
15°	262	270	272	268	266	86
25°	41	44	48	43	39	21
35°	5	6	9	6	4	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°	2316.0	2316.0	2316.0	2316.0	2316.0
1°	2295.8	2299.7	2300.3	2299.7	2296.4
2°	2244.2	2255.6	2253.1	2248.2	2255.2
3°	2164.3	2170.1	2169.2	2169.6	2168.0
4°	2034.5	2044.5	2038.8	2043.1	2043.5
5°	1876.1	1878.7	1882.6	1874.0	1889.1
6°	1681.1	1698.1	1683.2	1697.9	1703.8
7°	1482.9	1492.7	1473.7	1483.9	1490.0
8°	1280.2	1263.0	1273.5	1273.7	1293.9
9°	1061.3	1064.8	1073.6	1063.6	1072.4
10°	863.7	871.7	864.6	861.1	859.9
11°	682.0	691.0	690.4	691.4	684.7
12°	548.7	544.0	547.1	537.1	541.6
13°	427.1	427.3	424.8	420.7	417.1
14°	334.6	332.6	338.3	333.2	328.5
15°	262.1	269.5	271.5	267.6	266.4
17.5°	161.7	161.9	164.7	161.1	160.7
20°	101.7	104.1	107.4	103.5	100.4
22.5°	64.3	66.6	71.7	66.8	62.5
25°	41.0	43.9	48.4	42.9	39.0
27.5°	25.7	28.4	32.7	27.6	24.7
30°	15.9	17.8	21.2	17.4	14.7
32.5°	9.2	11.0	13.9	10.4	8.8
35°	4.9	6.3	9.2	6.1	4.5
37.5°	2.9	3.7	5.9	3.3	2.7
40°	1.6	2.2	3.5	2.0	1.6
42.5°	1.0	1.4	1.6	1.2	0.8
45°	0.6	0.8	1.0	0.8	0.6
47.5°	0.4	0.6	0.8	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)