

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: P1319289

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

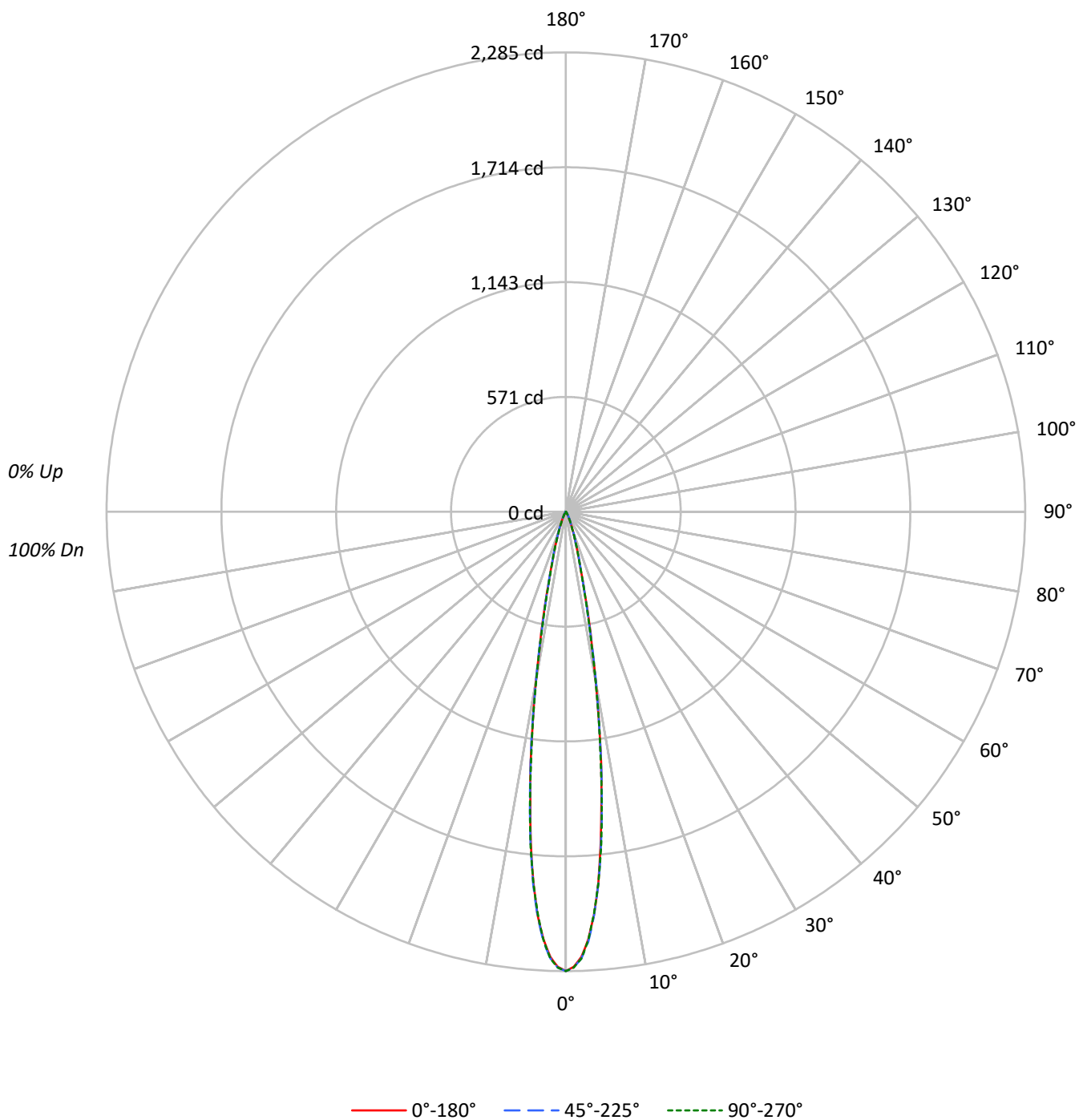
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319289

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1319289

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	393494	393494	393494
5°	320382	321419	320797
10°	149452	150781	148892
15°	46928	47320	47035
20°	18602	19336	17998
25°	7506	9083	7240
30°	3003	4136	2844
35°	883	1829	841
40°	270	674	225
45°	49	146	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 146 cd/sqm

TEST NUMBER: P1319289

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	56.1
10°-20°	85.6	33.6
20°-30°	21.6	8.5
30°-40°	4.4	1.7
40°-50°	0.4	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	250.2	98.1
0°-40°	254.6	99.8
0°-60°	255.0	100.0
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2285	2285	2285	2285	2285	
5°	1853	1850	1859	1855	1856	143
15°	263	265	265	262	264	86
25°	40	43	48	42	38	20
35°	4	6	9	5	4	3
45°	0	0	1	0	0	0
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	

TEST NUMBER: P1319289

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2284.8	2284.8	2284.8	2284.8	2284.8
1°	2264.2	2271.9	2267.8	2271.1	2267.4
2°	2215.2	2225.5	2222.3	2221.3	2224.1
3°	2128.9	2140.8	2140.4	2137.4	2132.5
4°	2011.1	2006.3	2013.7	2012.9	2004.6
5°	1853.2	1849.7	1859.2	1854.6	1855.6
6°	1659.9	1674.9	1671.6	1672.0	1675.9
7°	1452.4	1460.5	1467.3	1473.0	1465.1
8°	1261.8	1259.8	1260.4	1266.8	1245.1
9°	1048.4	1060.9	1052.8	1039.9	1048.2
10°	854.6	862.2	862.2	850.9	851.4
11°	681.3	687.6	683.1	686.0	668.2
12°	549.2	533.7	530.1	532.9	532.7
13°	419.3	420.3	419.3	419.1	417.1
14°	328.8	334.0	331.8	326.3	323.9
15°	263.2	265.4	265.4	261.6	263.8
17.5°	158.1	160.8	161.4	158.7	158.7
20°	101.5	102.7	105.5	101.7	98.2
22.5°	62.5	65.1	70.0	64.3	61.5
25°	39.5	43.2	47.8	42.4	38.1
27.5°	24.8	27.8	31.9	26.6	24.0
30°	15.1	17.1	20.8	16.7	14.3
32.5°	8.5	10.1	13.1	9.7	8.1
35°	4.2	5.6	8.7	5.4	4.0
37.5°	2.4	3.0	5.4	2.6	2.2
40°	1.2	1.6	3.0	1.6	1.0
42.5°	0.4	0.8	1.2	0.8	0.4
45°	0.2	0.4	0.6	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1319289
CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MMS_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)