

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: P1319364

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

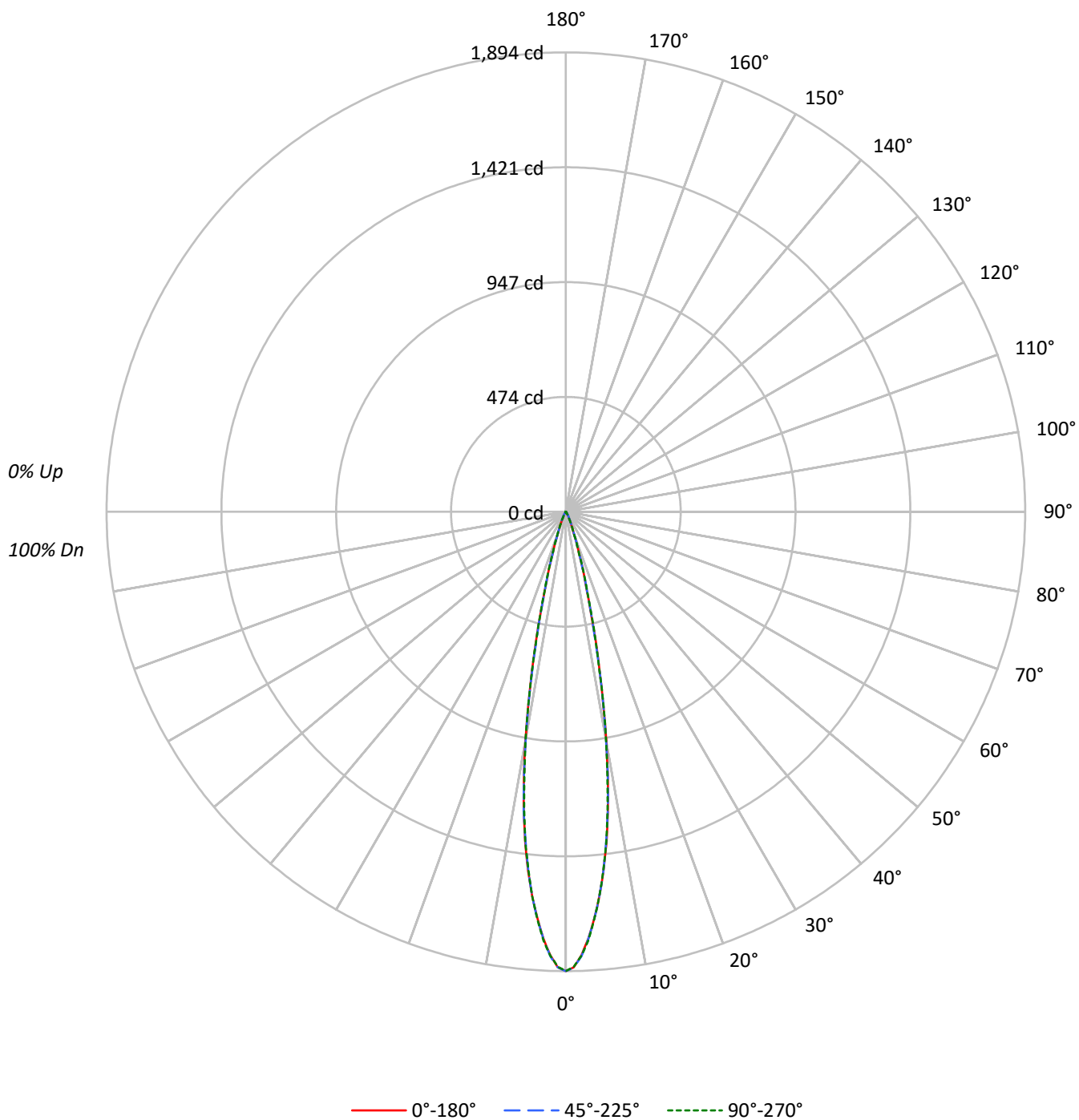
Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319364

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1319364

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K

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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98			
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95			
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93			
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91			
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89			
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87			
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86			
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84			
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83			
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	326190	326190	326190
5°	274932	275036	274897
10°	167535	166748	167150
15°	59017	59266	61103
20°	18547	19061	18657
25°	6955	7601	7145
30°	2685	3818	2804
35°	1009	1703	1114
40°	540	719	540
45°	195	341	244
50°	107	161	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm

TEST NUMBER: P1319364

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	50.4
10°-20°	103.1	39.5
20°-30°	20.2	7.8
30°-40°	4.5	1.7
40°-50°	1.0	0.4
50°-60°	0.3	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°	254.8	97.6
0°-40°	259.3	99.4
0°-60°	260.7	99.9
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1590	1592	1591	1596	1590	132
15°	331	332	332	340	343	103
25°	37	39	40	39	38	19
35°	5	6	8	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	

TEST NUMBER: P1319364

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.0	1894.0	1894.0	1894.0	1894.0
1°	1878.6	1874.6	1879.2	1875.6	1876.4
2°	1830.0	1827.7	1833.8	1830.0	1832.0
3°	1762.3	1759.5	1763.9	1764.1	1769.8
4°	1681.5	1676.1	1682.7	1682.9	1684.0
5°	1590.3	1591.7	1590.9	1596.3	1590.1
6°	1487.7	1492.3	1486.3	1489.3	1480.6
7°	1373.0	1367.1	1364.1	1365.1	1371.2
8°	1246.4	1242.3	1246.8	1240.5	1236.3
9°	1105.6	1098.5	1103.4	1097.3	1091.3
10°	958.0	954.8	953.5	946.7	955.8
11°	810.0	800.3	805.1	801.7	811.6
12°	671.4	672.2	662.8	665.8	667.0
13°	546.4	533.5	535.1	543.4	544.8
14°	423.9	425.7	426.3	432.1	435.6
15°	331.0	332.4	332.4	339.7	342.7
17.5°	177.5	177.5	181.3	182.1	182.6
20°	101.2	101.8	104.0	103.8	101.8
22.5°	60.6	61.8	63.0	61.8	60.6
25°	36.6	39.0	40.0	39.4	37.6
27.5°	21.8	24.4	27.3	25.0	21.6
30°	13.5	14.9	19.2	15.3	14.1
32.5°	7.5	9.7	13.1	10.1	7.7
35°	4.8	5.9	8.1	5.9	5.3
37.5°	3.4	4.0	5.0	4.2	3.6
40°	2.4	2.8	3.2	3.0	2.4
42.5°	1.6	2.0	2.2	2.0	1.6
45°	0.8	1.2	1.4	1.2	1.0
47.5°	0.4	0.6	1.0	0.6	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	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
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°	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1319364

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_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)