

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: P1319367

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQCD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319367
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

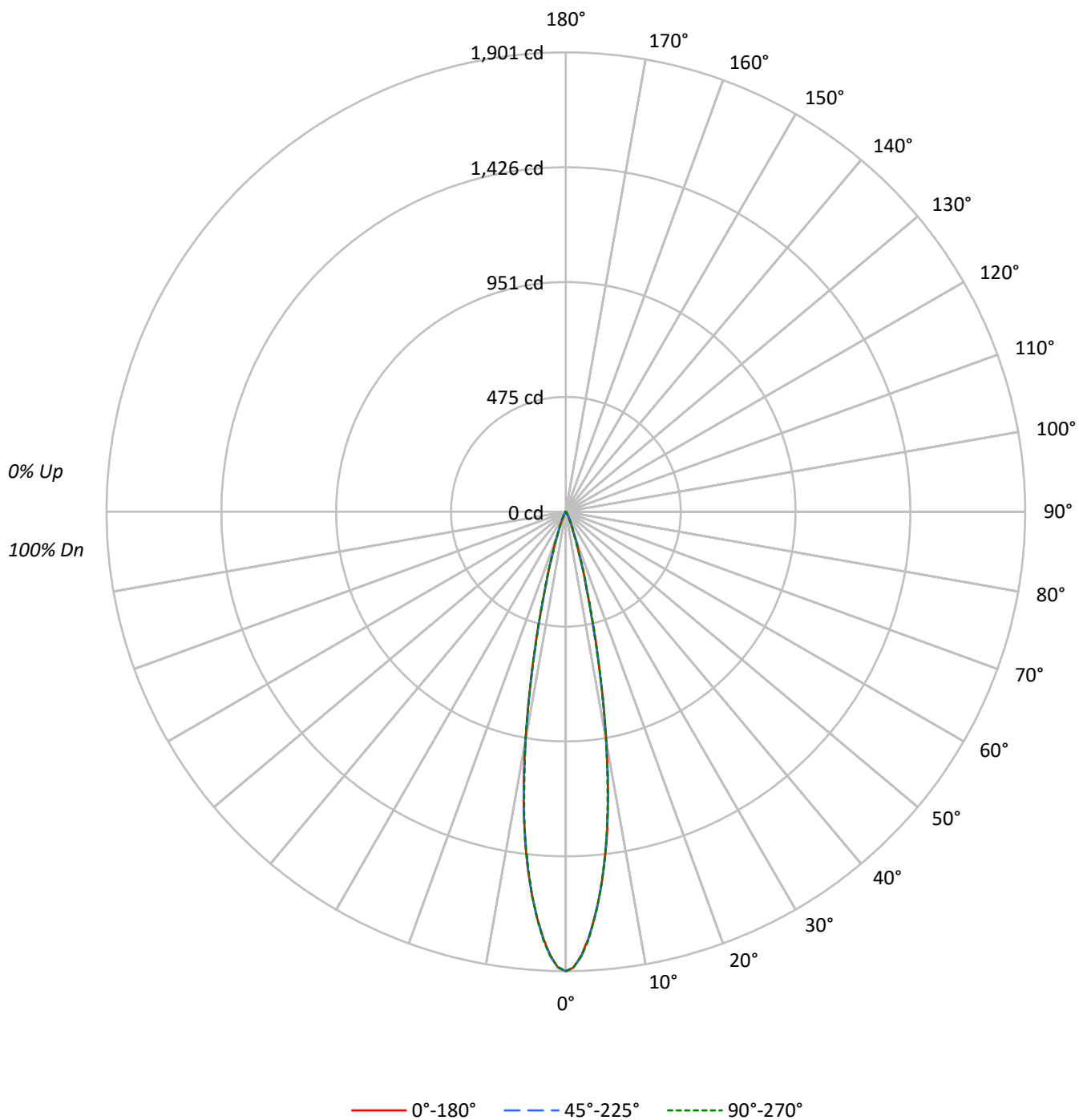
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319367

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319367

CATALOG NUMBER: P3SQA02R20B2750DE010 E3SQCD1MW_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	327430	327430	327430
5°	275969	276090	275935
10°	168182	167395	167779
15°	59231	59498	61335
20°	18621	19134	18731
25°	6974	7620	7164
30°	2705	3838	2824
35°	1030	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: P1319367

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	50.4
10°-20°	103.5	39.5
20°-30°	20.3	7.8
30°-40°	4.6	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°	255.8	97.6
0°-40°	260.3	99.4
0°-60°	261.7	99.9
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1901	1901	1901	1901	1901	
5°	1596	1598	1597	1602	1596	132
15°	332	334	334	341	344	103
25°	37	39	40	40	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: P1319367

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1901.2	1901.2	1901.2	1901.2	1901.2
1°	1885.8	1881.8	1886.4	1882.8	1883.6
2°	1837.0	1834.7	1840.8	1837.0	1839.0
3°	1769.1	1766.2	1770.7	1770.9	1776.6
4°	1688.0	1682.5	1689.2	1689.4	1690.4
5°	1596.3	1597.8	1597.0	1602.4	1596.1
6°	1493.4	1498.0	1492.0	1495.0	1486.3
7°	1378.2	1372.4	1369.3	1370.3	1376.4
8°	1251.1	1247.1	1251.5	1245.3	1241.0
9°	1109.8	1102.7	1107.6	1101.5	1095.4
10°	961.7	958.4	957.2	950.3	959.4
11°	813.1	803.3	808.2	804.8	814.7
12°	674.0	674.8	665.3	668.3	669.6
13°	548.5	535.6	537.2	545.5	546.9
14°	425.5	427.3	427.9	433.8	437.2
15°	332.2	333.7	333.7	341.0	344.0
17.5°	178.2	178.2	182.0	182.8	183.3
20°	101.6	102.2	104.4	104.2	102.2
22.5°	60.8	62.0	63.2	62.0	60.8
25°	36.7	39.1	40.1	39.5	37.7
27.5°	21.9	24.5	27.4	25.1	21.7
30°	13.6	15.0	19.3	15.4	14.2
32.5°	7.5	9.7	13.2	10.1	7.7
35°	4.9	5.9	8.1	5.9	5.3
37.5°	3.4	4.1	5.1	4.3	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: P1319367

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQCD1MW_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)