

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: P1319383

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPH1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPH1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

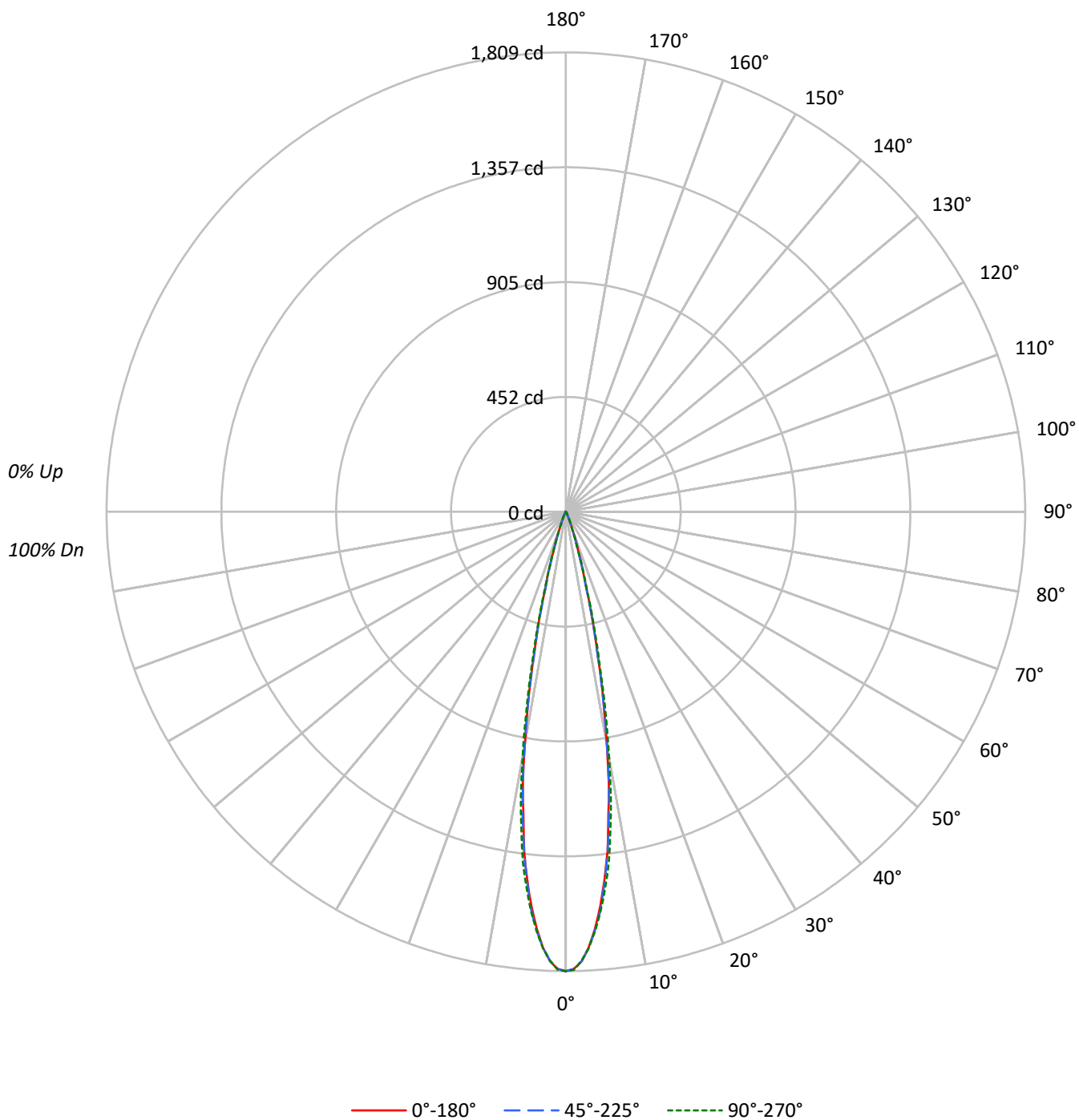
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	311585	311585	311585
5°	269175	271682	272684
10°	162043	163547	171697
15°	56039	54737	59088
20°	14717	13856	13892
25°	3211	3877	4409
30°	1372	1372	1412
35°	778	673	736
40°	337	382	427
45°	97	146	146
50°	54	54	54
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: 22.5°

Vertical Angle: 45°

Luminance: 146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	53.3
10°-20°	98.5	40.5
20°-30°	12.2	5.0
30°-40°	2.3	0.9
40°-50°	0.5	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°	240.1	98.8
0°-40°	242.4	99.8
0°-60°	243.0	100.0
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1809	1809	1809	1809	1809	
5°	1557	1556	1572	1570	1577	128
15°	314	303	307	325	331	98
25°	17	19	20	21	23	12
35°	4	4	3	4	4	2
45°	0	1	1	1	1	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1809.2	1809.2	1809.2	1809.2	1809.2
1°	1800.8	1798.6	1800.3	1796.6	1804.2
2°	1772.0	1769.8	1769.8	1767.6	1768.7
3°	1718.3	1721.7	1719.6	1715.0	1720.9
4°	1645.1	1649.0	1652.5	1652.7	1653.5
5°	1557.0	1555.9	1571.5	1570.4	1577.3
6°	1456.5	1455.2	1462.0	1473.2	1487.1
7°	1346.1	1330.3	1348.3	1371.0	1389.6
8°	1203.3	1207.4	1219.7	1246.5	1261.5
9°	1082.0	1058.0	1084.2	1116.2	1132.5
10°	926.6	907.1	935.2	969.0	981.8
12.5°	583.2	566.3	575.4	610.9	616.6
15°	314.3	303.1	307.0	325.4	331.4
17.5°	160.4	150.2	148.1	159.8	161.1
20°	80.3	77.9	75.6	76.6	75.8
22.5°	37.2	40.5	40.1	37.9	40.5
25°	16.9	19.3	20.4	21.2	23.2
27.5°	10.4	10.0	11.5	12.3	12.6
30°	6.9	6.7	6.9	7.1	7.1
32.5°	5.0	4.8	4.5	4.5	4.8
35°	3.7	3.7	3.2	3.5	3.5
37.5°	2.6	2.6	2.4	2.6	2.6
40°	1.5	1.7	1.7	1.7	1.9
42.5°	0.9	1.1	1.1	1.1	1.1
45°	0.4	0.6	0.6	0.6	0.6
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)