

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: P1319370

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPH1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319370
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 E3SQPH1MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

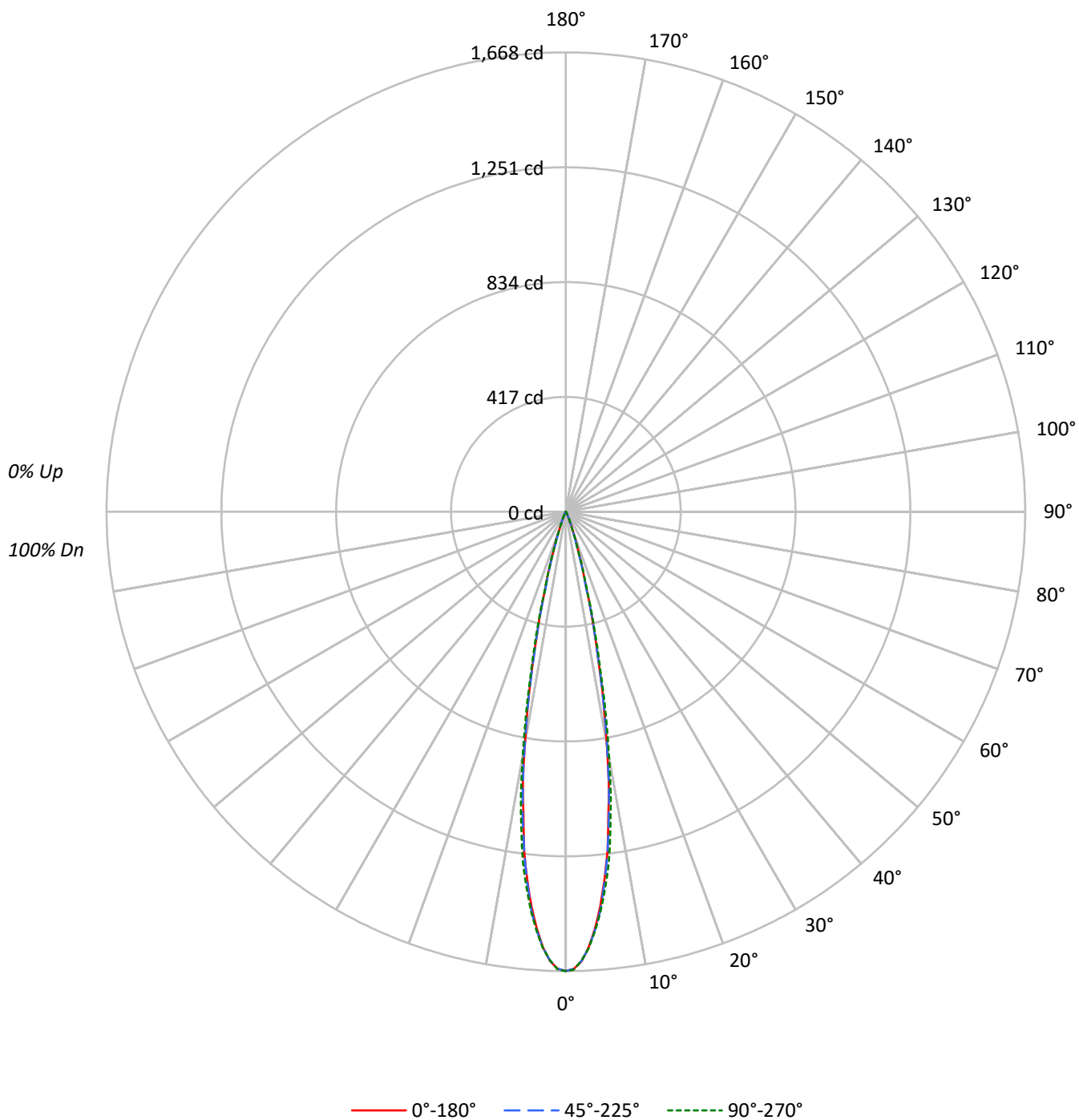
Lumens per Lamp: N/A
Luminaire Lumens: 224.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	287216	287216	287216
5°	248135	250435	251368
10°	149365	150764	158266
15°	51671	50458	54470
20°	13562	12756	12793
25°	2964	3573	4067
30°	1273	1273	1313
35°	715	631	673
40°	315	360	405
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°	119.3	53.2
10°-20°	90.8	40.5
20°-30°	11.2	5.0
30°-40°	2.1	1.0
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°	221.3	98.8
0°-40°	223.5	99.8
0°-60°	224.0	100.0
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1435	1434	1449	1448	1454	118
15°	290	279	283	300	306	91
25°	16	18	19	20	21	11
35°	3	3	3	3	3	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°	1667.7	1667.7	1667.7	1667.7	1667.7
1°	1660.0	1658.0	1659.6	1656.2	1663.2
2°	1633.4	1631.4	1631.4	1629.4	1630.4
3°	1583.9	1587.1	1585.1	1580.9	1586.3
4°	1516.5	1520.1	1523.3	1523.5	1524.3
5°	1435.3	1434.3	1448.6	1447.6	1454.0
6°	1342.7	1341.5	1347.6	1358.0	1370.8
7°	1240.9	1226.3	1242.9	1263.8	1281.0
8°	1109.2	1113.0	1124.3	1149.1	1162.9
9°	997.4	975.3	999.4	1028.9	1043.9
10°	854.1	836.2	862.1	893.2	905.0
12.5°	537.6	522.1	530.4	563.2	568.4
15°	289.8	279.4	283.0	299.9	305.5
17.5°	147.9	138.5	136.5	147.3	148.5
20°	74.0	71.8	69.6	70.6	69.8
22.5°	34.3	37.3	36.9	34.9	37.3
25°	15.6	17.8	18.8	19.6	21.4
27.5°	9.6	9.2	10.6	11.4	11.6
30°	6.4	6.2	6.4	6.6	6.6
32.5°	4.6	4.4	4.2	4.2	4.4
35°	3.4	3.4	3.0	3.2	3.2
37.5°	2.4	2.4	2.2	2.4	2.4
40°	1.4	1.6	1.6	1.6	1.8
42.5°	0.8	1.0	1.0	1.0	1.0
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)