

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: P1319299

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPH1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQPH1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

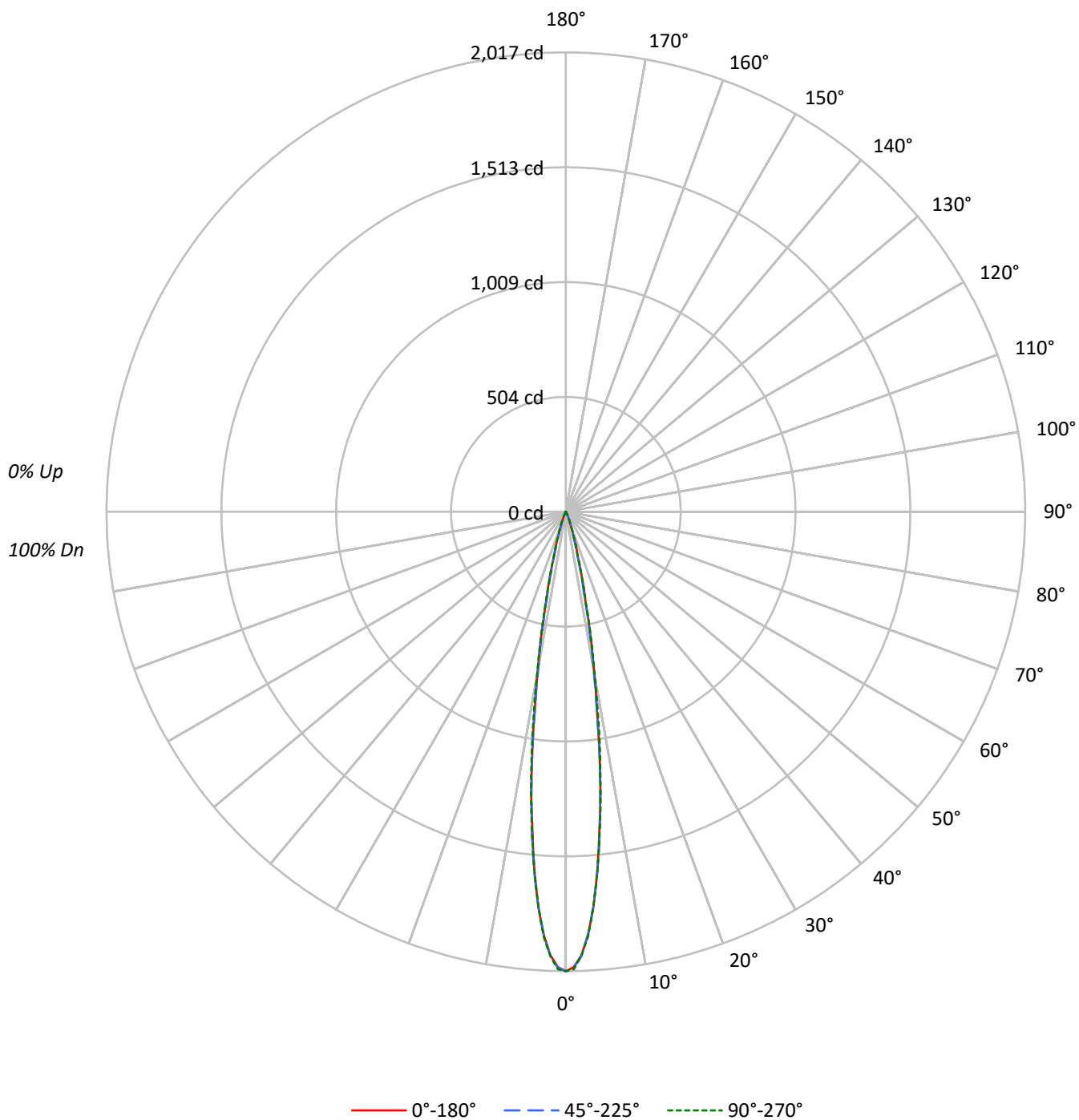
Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	347442	347442	347442
5°	274050	274794	273808
10°	125389	122101	128029
15°	37282	33288	36515
20°	11070	10740	11620
25°	3154	4067	3649
30°	1134	1213	1094
35°	420	378	378
40°	180	90	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°

Vertical Angle: 47.5°

Luminance: 102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	60.3
10°-20°	67.7	33.5
20°-30°	10.8	5.3
30°-40°	1.4	0.7
40°-50°	0.2	0.1
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°	200.3	99.2
0°-40°	201.7	99.9
0°-60°	202.0	100.0
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	1585	1599	1590	1583	1584	122
15°	209	206	187	198	205	69
25°	17	19	21	21	19	10
35°	2	2	2	2	2	1
45°	0	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4	2017.4
1°	2000.0	2002.2	2005.0	2002.4	2000.0	2002.2	1999.2	1999.6	1997.2	2002.4	2008.3
2°	1949.1	1951.9	1950.3	1946.7	1952.3	1952.7	1946.5	1943.4	1943.0	1948.3	1950.3
3°	1859.0	1865.4	1865.6	1864.4	1862.6	1859.0	1852.5	1856.8	1850.9	1847.3	1867.9
4°	1739.2	1744.8	1751.5	1747.1	1733.7	1734.9	1739.2	1724.8	1725.6	1733.9	1734.5
5°	1585.2	1602.4	1603.2	1597.0	1586.5	1589.5	1586.5	1582.4	1583.8	1589.1	1583.8
6°	1404.0	1423.4	1409.1	1422.8	1419.8	1423.6	1424.6	1420.4	1423.4	1420.2	1419.2
7°	1247.5	1232.7	1234.7	1229.1	1235.1	1239.2	1241.6	1234.3	1240.2	1249.5	1252.1
8°	1053.3	1049.1	1044.8	1054.9	1052.1	1057.0	1060.0	1068.1	1067.7	1070.5	1079.8
9°	868.5	874.7	878.6	869.7	877.4	862.4	867.7	889.3	883.6	889.3	905.9
10°	717.0	722.0	716.4	716.2	708.1	698.2	697.6	705.7	722.6	736.0	732.1
12.5°	395.6	400.0	400.6	400.2	385.7	369.3	372.3	378.8	389.3	393.7	401.0
15°	209.1	208.9	211.1	204.8	197.2	186.7	187.5	196.4	204.2	206.3	204.8
17.5°	107.3	107.7	109.3	107.7	99.6	100.6	102.8	103.8	108.5	110.3	109.3
20°	60.4	60.6	60.4	61.0	57.8	58.6	61.4	61.6	62.6	63.6	63.4
22.5°	34.5	34.7	36.0	35.6	34.7	35.8	36.4	37.4	37.8	37.4	38.6
25°	16.6	16.8	16.8	19.2	20.4	21.4	21.8	21.4	21.0	19.4	19.2
27.5°	9.5	9.5	9.9	10.1	10.5	12.3	12.1	10.1	8.5	8.5	8.7
30°	5.7	5.5	5.5	5.7	5.9	6.1	5.7	5.5	5.5	5.7	5.5
32.5°	3.4	3.4	3.4	3.2	3.2	3.0	3.0	3.4	3.4	3.4	3.4
35°	2.0	2.0	2.0	2.0	1.8	1.8	1.8	2.0	2.0	1.8	1.8
37.5°	1.2	1.2	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0
40°	0.8	0.8	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
42.5°	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)