

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: P1319305

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPH1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319305
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 E3SQPH1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

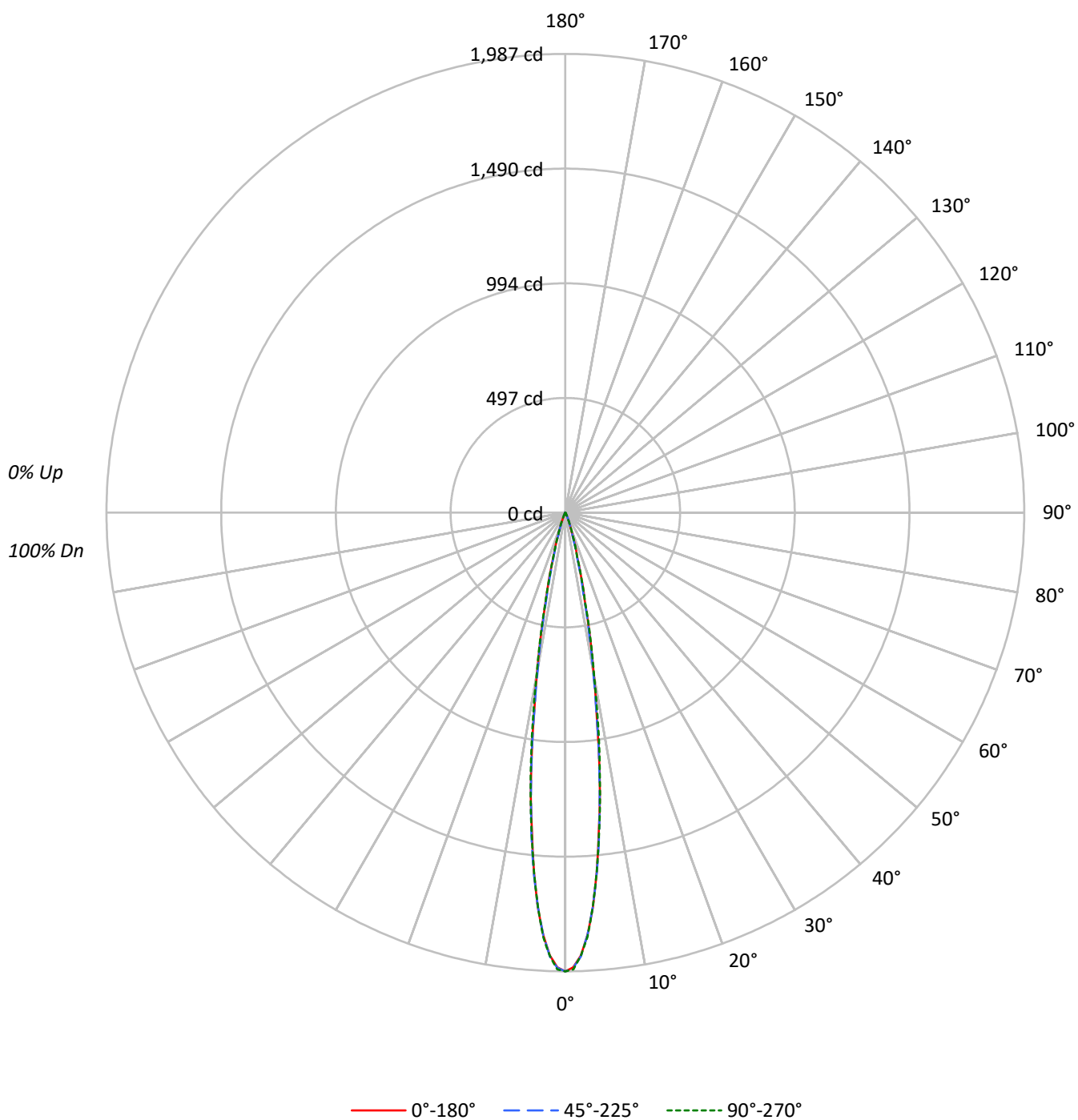
Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319305

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPH1MMS_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319305

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPH1MMS_3000K

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°	342275	342275	342275
5°	269987	270714	269745
10°	123517	120282	126123
15°	36729	32789	35981
20°	10905	10575	11455
25°	3097	4010	3592
30°	1114	1193	1074
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

TEST NUMBER: P1319305

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPH1MMS_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	60.3
10°-20°	66.7	33.5
20°-30°	10.6	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°	197.4	99.2
0°-40°	198.8	99.9
0°-60°	199.0	100.0
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1562	1575	1566	1559	1560	120
15°	206	203	184	195	202	68
25°	16	18	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	



TEST NUMBER: P1319305

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPH1MMS_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4	1987.4
1°	1970.3	1972.5	1975.3	1972.7	1970.3	1972.5	1969.5	1969.9	1967.5	1972.7	1978.4
2°	1920.1	1922.9	1921.3	1917.7	1923.3	1923.7	1917.5	1914.6	1914.2	1919.3	1921.3
3°	1831.4	1837.7	1837.9	1836.7	1835.0	1831.4	1825.0	1829.2	1823.4	1819.8	1840.1
4°	1713.4	1718.9	1725.5	1721.1	1708.0	1709.2	1713.4	1699.2	1700.0	1708.2	1708.8
5°	1561.7	1578.6	1579.4	1573.2	1562.9	1565.9	1562.9	1558.9	1560.3	1565.5	1560.3
6°	1383.2	1402.3	1388.2	1401.7	1398.7	1402.5	1403.5	1399.3	1402.3	1399.1	1398.1
7°	1228.9	1214.4	1216.4	1210.8	1216.8	1220.8	1223.2	1216.0	1221.8	1230.9	1233.5
8°	1037.7	1033.5	1029.3	1039.3	1036.5	1041.3	1044.3	1052.2	1051.8	1054.6	1063.8
9°	855.6	861.8	865.5	856.8	864.3	849.6	854.8	876.1	870.5	876.1	892.4
10°	706.3	711.3	705.7	705.5	697.6	687.8	687.2	695.2	711.9	725.0	721.2
12.5°	389.7	394.1	394.7	394.3	379.9	363.8	366.8	373.2	383.5	387.9	395.1
15°	206.0	205.8	208.0	201.8	194.2	183.9	184.7	193.4	201.2	203.2	201.8
17.5°	105.7	106.1	107.7	106.1	98.1	99.1	101.3	102.3	106.9	108.7	107.7
20°	59.5	59.7	59.5	60.1	56.9	57.7	60.5	60.7	61.7	62.7	62.5
22.5°	34.0	34.2	35.4	35.0	34.2	35.2	35.8	36.8	37.2	36.8	38.0
25°	16.3	16.5	16.5	18.9	20.1	21.1	21.5	21.1	20.7	19.1	18.9
27.5°	9.4	9.4	9.8	10.0	10.3	12.1	11.9	10.0	8.4	8.4	8.6
30°	5.6	5.4	5.4	5.6	5.8	6.0	5.6	5.4	5.4	5.6	5.4
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)