

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: P1319303

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPH1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319303
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

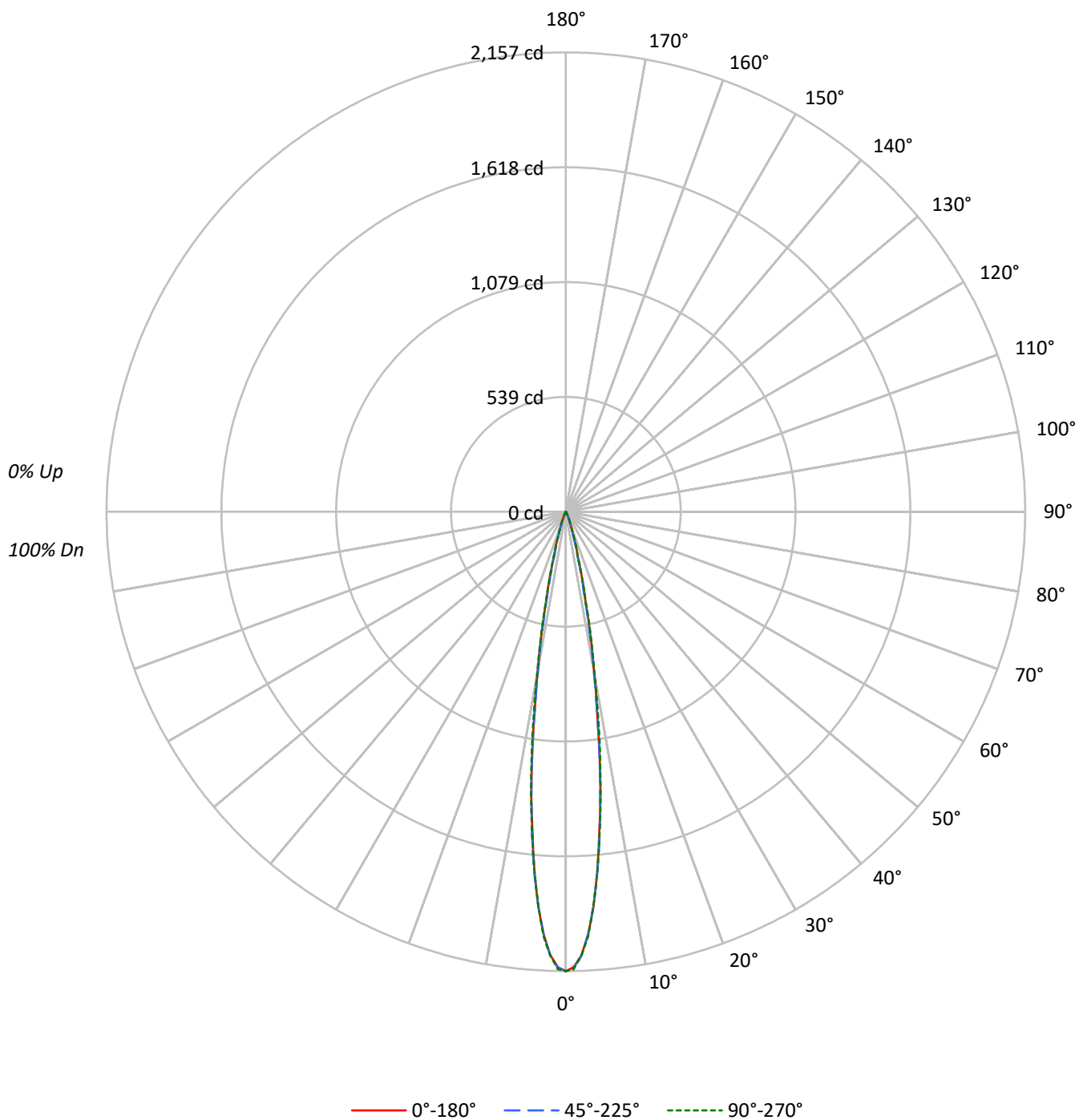
Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	371519	371519	371519
5°	293050	293845	292790
10°	134080	130565	136913
15°	39867	35588	39047
20°	11840	11473	12426
25°	3363	4352	3896
30°	1193	1293	1153
35°	463	399	399
40°	202	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°	130.3	60.3
10°-20°	72.4	33.5
20°-30°	11.5	5.3
30°-40°	1.5	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°	214.2	99.2
0°-40°	215.7	99.9
0°-60°	216.0	100.0
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2157	2157	2157	2157	2157	
5°	1695	1709	1700	1692	1694	130
15°	224	221	200	212	219	74
25°	18	20	23	23	20	11
35°	2	2	2	2	2	2
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°	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2
1°	2138.6	2141.0	2144.0	2141.2	2138.6	2141.0	2137.7	2138.2	2135.6	2141.2	2147.5
2°	2084.2	2087.2	2085.5	2081.6	2087.6	2088.1	2081.4	2078.1	2077.7	2083.3	2085.5
3°	1987.8	1994.7	1995.0	1993.7	1991.7	1987.8	1980.9	1985.4	1979.2	1975.3	1997.3
4°	1859.7	1865.8	1872.9	1868.1	1853.9	1855.2	1859.7	1844.4	1845.2	1854.1	1854.8
5°	1695.1	1713.5	1714.3	1707.6	1696.4	1699.7	1696.4	1692.1	1693.6	1699.2	1693.6
6°	1501.3	1522.1	1506.7	1521.4	1518.2	1522.3	1523.4	1518.8	1522.1	1518.6	1517.5
7°	1333.9	1318.2	1320.3	1314.3	1320.8	1325.1	1327.7	1319.9	1326.2	1336.1	1338.9
8°	1126.3	1121.8	1117.3	1128.1	1125.0	1130.2	1133.5	1142.1	1141.7	1144.7	1154.6
9°	928.7	935.4	939.5	930.0	938.2	922.2	927.8	950.9	944.9	950.9	968.6
10°	766.7	772.1	766.0	765.8	757.2	746.6	745.9	754.6	772.7	787.0	782.9
12.5°	423.0	427.7	428.4	427.9	412.4	394.9	398.1	405.0	416.3	421.0	428.8
15°	223.6	223.4	225.7	219.0	210.8	199.6	200.5	210.0	218.4	220.6	219.0
17.5°	114.7	115.1	116.9	115.1	106.5	107.6	110.0	111.0	116.0	117.9	116.9
20°	64.6	64.8	64.6	65.2	61.8	62.6	65.7	65.9	67.0	68.0	67.8
22.5°	36.9	37.2	38.5	38.0	37.2	38.2	38.9	40.0	40.4	40.0	41.3
25°	17.7	17.9	17.9	20.5	21.8	22.9	23.3	22.9	22.5	20.7	20.5
27.5°	10.2	10.2	10.6	10.8	11.2	13.2	13.0	10.8	9.1	9.1	9.3
30°	6.0	5.8	5.8	6.0	6.3	6.5	6.0	5.8	5.8	6.0	5.8
32.5°	3.7	3.7	3.7	3.5	3.5	3.2	3.2	3.7	3.7	3.7	3.7
35°	2.2	2.2	2.2	2.2	1.9	1.9	1.9	2.2	2.2	1.9	1.9
37.5°	1.3	1.3	1.3	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
40°	0.9	0.9	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)