

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: P1319288

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

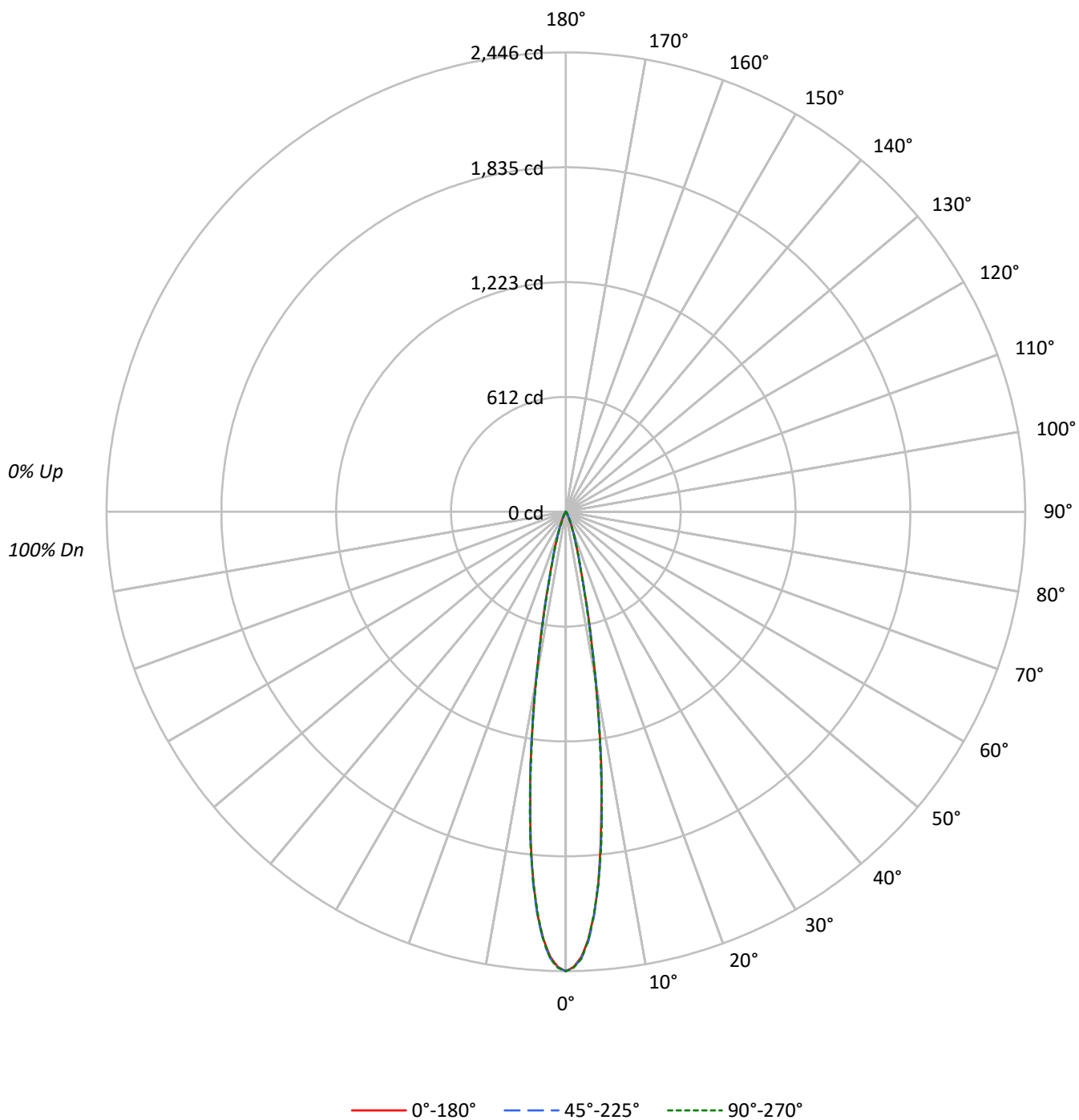
Lumens per Lamp: N/A
Luminaire Lumens: 273.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319288

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319288

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	421274	421274	421274
5°	342995	344119	343444
10°	159997	161431	159385
15°	50244	50672	50351
20°	19904	20692	19281
25°	8038	9729	7753
30°	3222	4415	3043
35°	946	1955	904
40°	292	719	247
45°	49	146	49
50°	0	54	0
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: 45°

Vertical Angle: 45°

Luminance: 146 cd/sqm

TEST NUMBER: P1319288

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	56.1
10°-20°	91.6	33.6
20°-30°	23.1	8.5
30°-40°	4.7	1.7
40°-50°	0.4	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°	267.8	98.1
0°-40°	272.5	99.8
0°-60°	273.0	100.0
0°-90°	273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2446	2446	2446	2446	2446	
5°	1984	1980	1990	1986	1987	153
15°	282	284	284	280	282	92
25°	42	46	51	45	41	22
35°	4	6	9	6	4	4
45°	0	0	1	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: P1319288

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2446.1	2446.1	2446.1	2446.1	2446.1
1°	2424.0	2432.3	2427.9	2431.4	2427.5
2°	2371.6	2382.6	2379.1	2378.1	2381.1
3°	2279.2	2291.9	2291.5	2288.2	2283.0
4°	2153.1	2147.9	2155.9	2155.0	2146.1
5°	1984.0	1980.3	1990.5	1985.5	1986.6
6°	1777.1	1793.1	1789.6	1790.1	1794.2
7°	1554.9	1563.6	1570.9	1576.9	1568.5
8°	1350.9	1348.7	1349.4	1356.3	1332.9
9°	1122.4	1135.8	1127.2	1113.3	1122.2
10°	914.9	923.1	923.1	911.0	911.4
11°	729.4	736.1	731.4	734.4	715.4
12°	588.0	571.4	567.5	570.5	570.3
13°	448.9	450.0	448.9	448.7	446.5
14°	352.0	357.6	355.2	349.4	346.8
15°	281.8	284.2	284.2	280.1	282.4
17.5°	169.3	172.1	172.7	169.9	169.9
20°	108.6	109.9	112.9	108.8	105.2
22.5°	66.9	69.7	74.9	68.9	65.9
25°	42.3	46.2	51.2	45.3	40.8
27.5°	26.6	29.8	34.1	28.5	25.7
30°	16.2	18.4	22.2	17.9	15.3
32.5°	9.1	10.8	14.0	10.4	8.6
35°	4.5	6.0	9.3	5.8	4.3
37.5°	2.6	3.2	5.8	2.8	2.4
40°	1.3	1.7	3.2	1.7	1.1
42.5°	0.4	0.9	1.3	0.9	0.4
45°	0.2	0.4	0.6	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1319288

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MB_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)