

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: P1319294

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

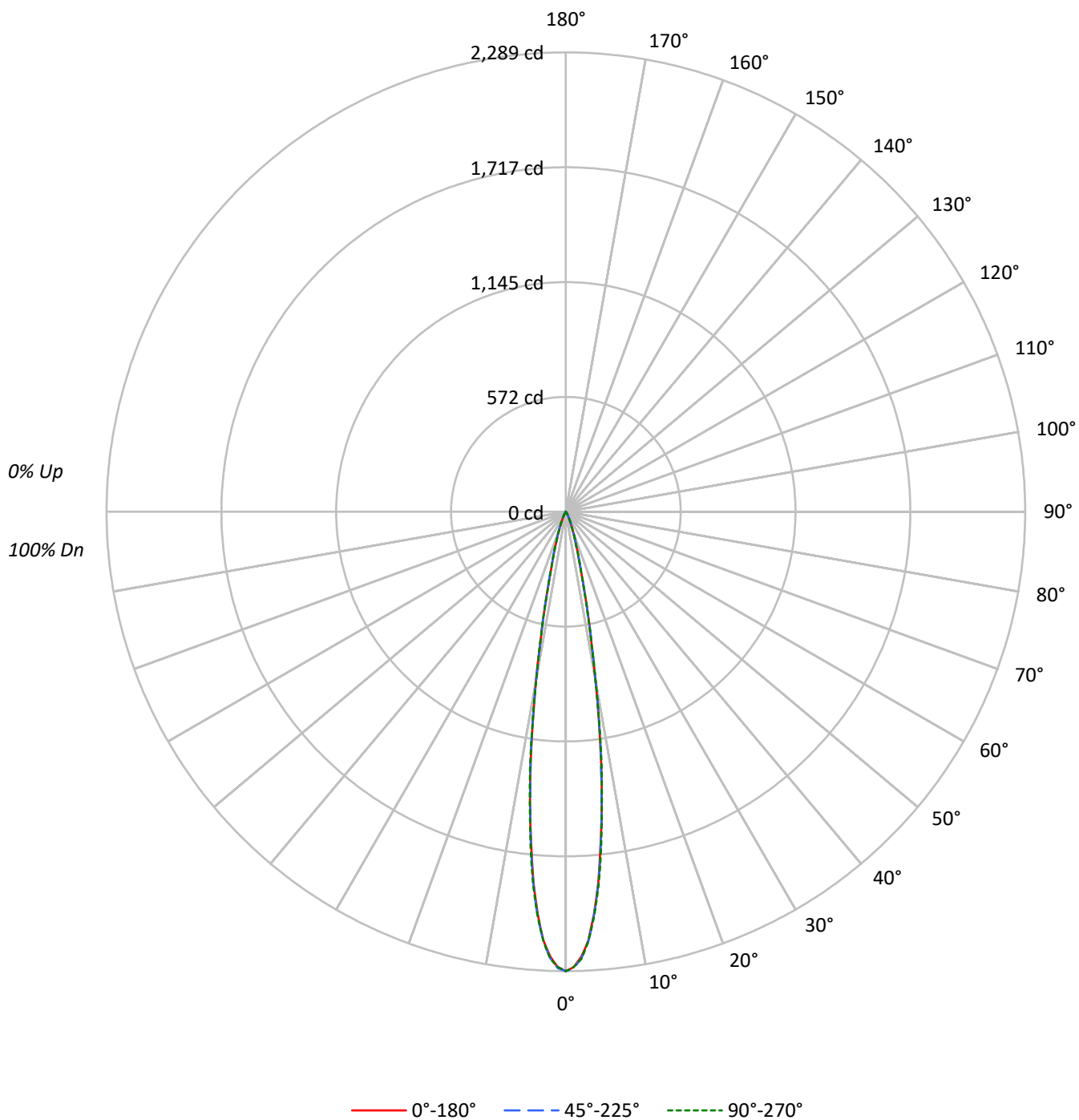
Lumens per Lamp: N/A
Luminaire Lumens: 257.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319294

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1319294

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

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	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	105	104	103	102	101	100	99	98		
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90		
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87		
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85		
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84		
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	394269	394269	394269
5°	320590	321713	322837
10°	149312	149452	148630
15°	46197	47855	46946
20°	18419	19446	18199
25°	7715	9083	7316
30°	3122	4176	2884
35°	1009	1913	925
40°	360	764	360
45°	146	244	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 244 cd/sqm

TEST NUMBER: P1319294

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	55.8
10°-20°	85.7	33.3
20°-30°	21.8	8.5
30°-40°	4.7	1.8
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	0.1
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°	250.8	97.6
0°-40°	255.5	99.4
0°-60°	256.6	99.9
0°-90°	257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2289	2289	2289	2289	2289	
5°	1854	1857	1861	1852	1867	143
15°	259	266	268	264	263	85
25°	41	43	48	42	38	21
35°	5	6	9	6	4	4
45°	1	1	1	1	1	1
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: P1319294

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2289.3	2289.3	2289.3	2289.3	2289.3
1°	2269.3	2273.1	2273.8	2273.1	2269.9
2°	2218.3	2229.6	2227.1	2222.3	2229.2
3°	2139.4	2145.0	2144.2	2144.6	2143.0
4°	2011.0	2020.9	2015.3	2019.5	2019.9
5°	1854.4	1857.1	1860.9	1852.4	1867.4
6°	1661.7	1678.5	1663.7	1678.3	1684.1
7°	1465.8	1475.5	1456.7	1466.8	1472.9
8°	1265.4	1248.5	1258.8	1259.0	1278.9
9°	1049.1	1052.5	1061.2	1051.3	1060.0
10°	853.8	861.6	854.6	851.1	849.9
11°	674.2	683.1	682.4	683.5	676.8
12°	542.4	537.8	540.8	530.9	535.3
13°	422.1	422.3	419.9	415.9	412.3
14°	330.7	328.7	334.4	329.3	324.7
15°	259.1	266.4	268.4	264.5	263.3
17.5°	159.8	160.0	162.8	159.2	158.8
20°	100.5	102.9	106.1	102.3	99.3
22.5°	63.6	65.8	70.8	66.0	61.7
25°	40.6	43.4	47.8	42.4	38.5
27.5°	25.4	28.0	32.3	27.2	24.4
30°	15.7	17.6	21.0	17.2	14.5
32.5°	9.1	10.9	13.7	10.3	8.7
35°	4.8	6.3	9.1	6.1	4.4
37.5°	2.8	3.6	5.9	3.2	2.6
40°	1.6	2.2	3.4	2.0	1.6
42.5°	1.0	1.4	1.6	1.2	0.8
45°	0.6	0.8	1.0	0.8	0.6
47.5°	0.4	0.6	0.8	0.4	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
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: P1319294
CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQCD1MW_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)