

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: P1319332

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

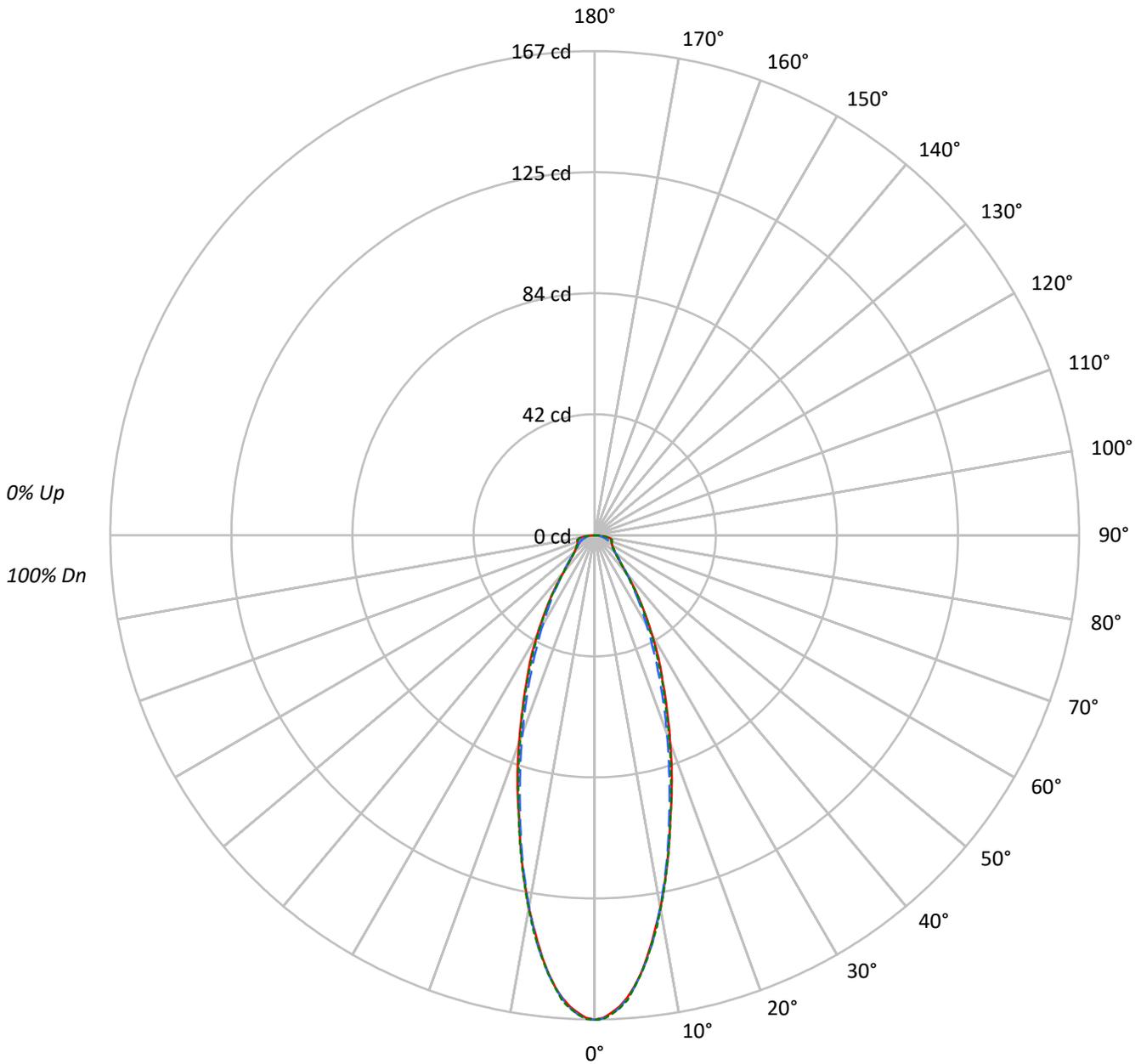
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 112.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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: P1319332
CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1319332

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28778	28778	28778
5°	27021	27056	27056
10°	22822	22752	22892
15°	17955	17705	17990
20°	13947	13324	13764
25°	10527	9805	10375
30°	7835	7139	7676
35°	5593	5214	5508
40°	3777	3844	3732
45°	2825	2971	2825
50°	2438	2438	2438
55°	2372	2252	2372
60°	2446	2239	2377
65°	2649	2323	2649
70°	3172	2367	3172
75°	4059	2462	4059
80°	5058	2579	4860
85°	3952	2371	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5058 cd/sqm



TEST NUMBER: P1319332

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	12.6
10°-20°	27.9	24.9
20°-30°	24.6	22.0
30°-40°	16.2	14.4
40°-50°	9.5	8.4
50°-60°	6.9	6.2
60°-70°	5.9	5.3
70°-80°	4.9	4.4
80°-90°	2.0	1.8
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
<hr/>		
0°-30°	66.6	59.4
0°-40°	82.7	73.9
0°-60°	99.2	88.5
0°-90°	112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	167	167	167	167	167	
5°	156	156	156	157	156	14
15°	101	101	99	100	101	28
25°	55	54	52	53	55	26
35°	27	26	25	25	26	17
45°	12	12	12	12	12	9
55°	8	8	8	8	8	7
65°	6	6	6	6	6	6
75°	6	4	4	5	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P1319332
 CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	167.1	167.1	167.1	167.1	167.1
1°	166.5	166.7	166.7	166.9	166.9
2°	164.8	165.2	165.4	165.4	165.4
3°	162.8	163.0	163.2	163.4	163.4
4°	160.0	160.2	160.2	160.6	160.8
5°	156.3	156.3	156.5	156.7	156.5
6°	152.0	152.0	152.3	152.3	152.3
7°	147.0	147.2	147.4	147.6	147.4
8°	141.5	141.7	142.3	142.3	142.1
9°	136.0	136.2	136.2	136.8	136.8
10°	130.5	130.5	130.1	130.5	130.9
12.5°	115.7	115.5	114.9	115.5	115.9
15°	100.7	100.7	99.3	100.5	100.9
17.5°	88.5	86.7	85.3	86.5	87.5
20°	76.1	74.3	72.7	73.9	75.1
22.5°	65.0	63.5	61.5	62.7	64.1
25°	55.4	53.6	51.6	53.0	54.6
27.5°	47.5	45.1	43.0	44.7	46.1
30°	39.4	37.8	35.9	37.1	38.6
32.5°	32.5	31.3	29.8	30.9	32.1
35°	26.6	25.6	24.8	25.4	26.2
37.5°	21.3	20.9	20.5	20.7	20.7
40°	16.8	17.1	17.1	17.1	16.6
42.5°	13.8	14.0	14.4	14.0	13.8
45°	11.6	11.8	12.2	11.8	11.6
47.5°	10.2	10.4	10.6	10.2	10.2
50°	9.1	9.1	9.1	9.1	9.1
52.5°	8.5	8.3	8.3	8.3	8.5
55°	7.9	7.7	7.5	7.7	7.9
57.5°	7.3	7.1	6.9	7.1	7.3
60°	7.1	6.7	6.5	6.7	6.9
62.5°	6.7	6.3	6.1	6.3	6.7
65°	6.5	5.9	5.7	5.9	6.5
67.5°	6.3	5.5	5.1	5.5	6.3
70°	6.3	5.1	4.7	5.3	6.3
72.5°	6.1	4.9	4.1	4.9	6.1
75°	6.1	4.5	3.7	4.7	6.1
77.5°	5.7	4.1	3.0	4.3	5.7
80°	5.1	3.7	2.6	3.9	4.9
82.5°	3.7	3.0	2.0	3.0	3.7
85°	2.0	2.2	1.2	2.0	2.2
87.5°	0.2	0.6	0.4	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)