

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: P1319330

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319330
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

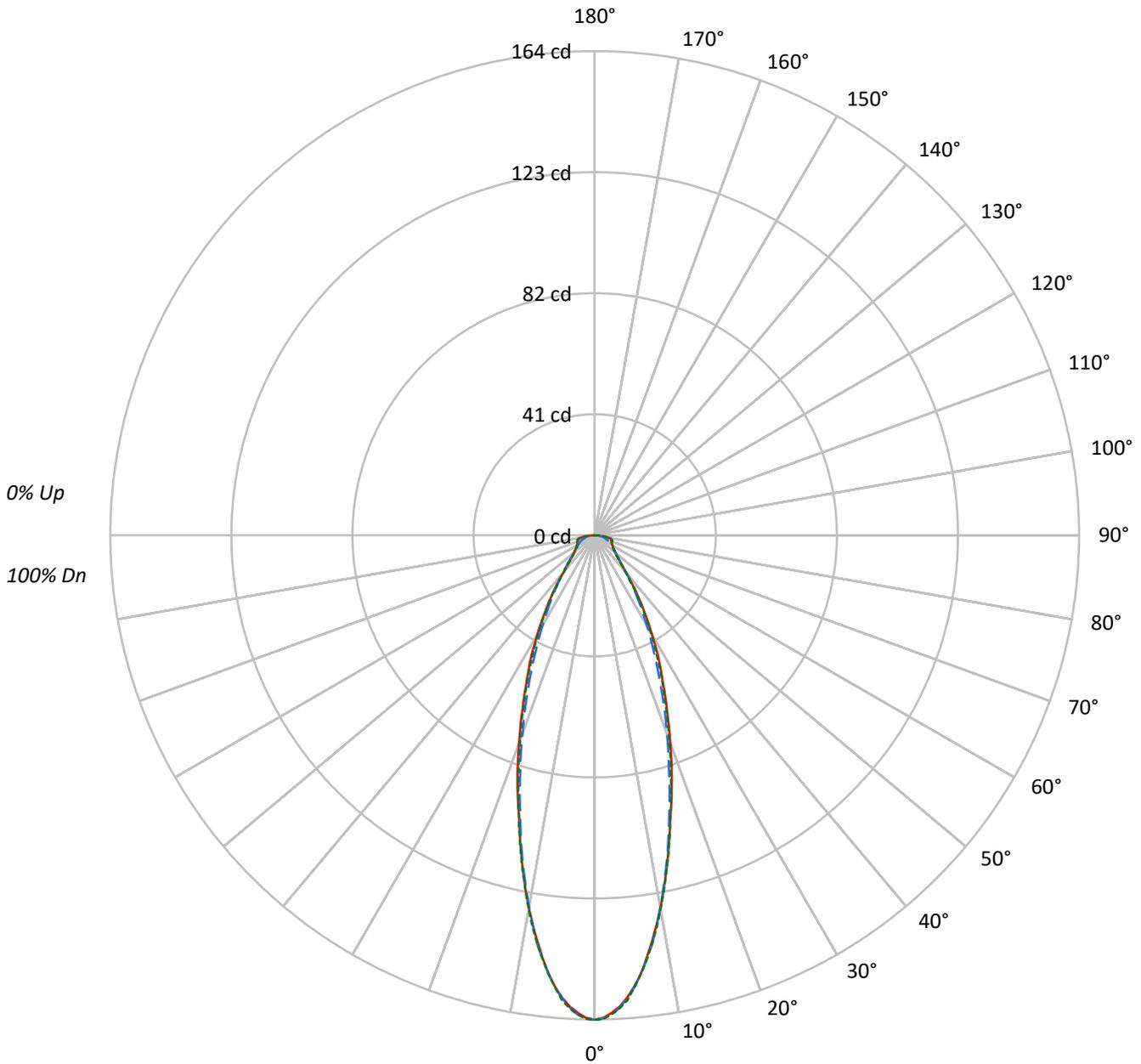
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 110.1 lumens
Efficiency: N/A
Efficacy: 38.0 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: P1319330
CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1319330

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3000K

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	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	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	76	71	79	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	66	57	51	46	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28262	28262	28262
5°	26537	26572	26572
10°	22420	22350	22489
15°	17634	17384	17669
20°	13709	13086	13526
25°	10337	9615	10185
30°	7696	7020	7537
35°	5487	5109	5403
40°	3710	3755	3665
45°	2777	2923	2777
50°	2411	2411	2411
55°	2342	2222	2342
60°	2411	2204	2342
65°	2608	2282	2608
70°	3122	2316	3122
75°	3993	2396	3993
80°	4959	2579	4761
85°	3952	2371	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 4959 cd/sqm



TEST NUMBER: P1319330

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	12.6
10°-20°	27.4	24.9
20°-30°	24.2	22.0
30°-40°	15.9	14.4
40°-50°	9.3	8.5
50°-60°	6.9	6.2
60°-70°	5.8	5.3
70°-80°	4.8	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
0°-30°	65.4	59.4
0°-40°	81.2	73.8
0°-60°	97.4	88.5
0°-90°	110.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	154	154	154	154	154	14
15°	99	99	98	99	99	28
25°	54	53	51	52	54	25
35°	26	25	24	25	26	16
45°	11	12	12	12	11	9
55°	8	8	7	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: P1319330

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	164.1	164.1	164.1	164.1	164.1
1°	163.5	163.7	163.7	163.9	163.9
2°	161.9	162.3	162.5	162.5	162.5
3°	159.9	160.1	160.3	160.5	160.5
4°	157.1	157.3	157.3	157.7	157.9
5°	153.5	153.5	153.7	153.9	153.7
6°	149.3	149.3	149.5	149.5	149.5
7°	144.3	144.5	144.7	144.9	144.7
8°	139.0	139.2	139.8	139.8	139.6
9°	133.6	133.8	133.8	134.4	134.4
10°	128.2	128.2	127.8	128.2	128.6
12.5°	113.6	113.4	112.8	113.4	113.8
15°	98.9	98.9	97.5	98.7	99.1
17.5°	86.9	85.1	83.7	84.9	85.9
20°	74.8	73.0	71.4	72.6	73.8
22.5°	63.8	62.4	60.4	61.6	63.0
25°	54.4	52.6	50.6	52.0	53.6
27.5°	46.7	44.3	42.3	43.9	45.3
30°	38.7	37.1	35.3	36.5	37.9
32.5°	31.9	30.7	29.3	30.3	31.5
35°	26.1	25.1	24.3	24.9	25.7
37.5°	20.9	20.5	20.1	20.3	20.3
40°	16.5	16.7	16.7	16.7	16.3
42.5°	13.6	13.8	14.2	13.8	13.6
45°	11.4	11.6	12.0	11.6	11.4
47.5°	10.0	10.2	10.4	10.0	10.0
50°	9.0	9.0	9.0	9.0	9.0
52.5°	8.4	8.2	8.2	8.2	8.4
55°	7.8	7.6	7.4	7.6	7.8
57.5°	7.2	7.0	6.8	7.0	7.2
60°	7.0	6.6	6.4	6.6	6.8
62.5°	6.6	6.2	6.0	6.2	6.6
65°	6.4	5.8	5.6	5.8	6.4
67.5°	6.2	5.4	5.0	5.4	6.2
70°	6.2	5.0	4.6	5.2	6.2
72.5°	6.0	4.8	4.0	4.8	6.0
75°	6.0	4.4	3.6	4.6	6.0
77.5°	5.6	4.0	3.0	4.2	5.6
80°	5.0	3.6	2.6	3.8	4.8
82.5°	3.6	3.0	2.0	3.0	3.6
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)