

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: P1319331

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319331
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

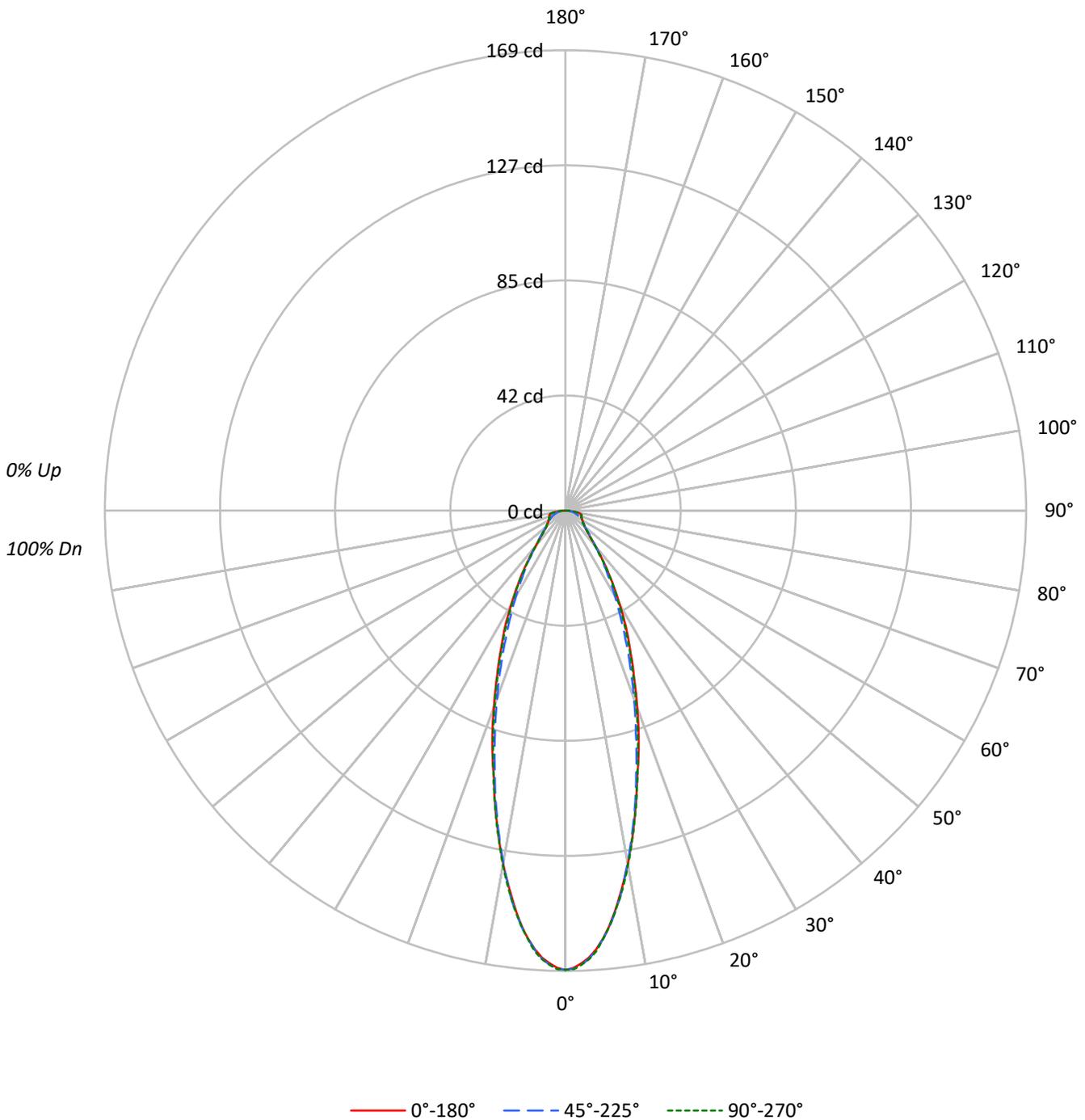
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 113.0 lumens
Efficiency: N/A
Efficacy: 39.0 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29037	29037	29037
5°	27263	27298	27298
10°	23032	22962	23102
15°	18115	17865	18151
20°	14076	13434	13892
25°	10622	9881	10470
30°	7895	7219	7736
35°	5635	5256	5550
40°	3822	3867	3777
45°	2850	2996	2850
50°	2465	2465	2465
55°	2402	2282	2402
60°	2480	2273	2411
65°	2690	2323	2690
70°	3172	2367	3172
75°	4059	2462	4059
80°	5058	2678	4860
85°	3952	2371	4545

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	12.6
10°-20°	28.1	24.9
20°-30°	24.8	22.0
30°-40°	16.3	14.4
40°-50°	9.5	8.4
50°-60°	7.0	6.2
60°-70°	6.0	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
0°-30°	67.2	59.5
0°-40°	83.5	73.9
0°-60°	100.0	88.6
0°-90°	113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	169	169	169	169	169	
5°	158	158	158	158	158	14
15°	102	102	100	101	102	28
25°	56	54	52	54	55	26
35°	27	26	25	26	26	17
45°	12	12	12	12	12	9
55°	8	8	8	8	8	7
65°	7	6	6	6	7	7
75°	6	4	4	5	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	168.6	168.6	168.6	168.6	168.6
1°	167.9	168.2	168.2	168.4	168.4
2°	166.3	166.7	166.9	166.9	166.9
3°	164.3	164.5	164.7	164.9	164.9
4°	161.4	161.6	161.6	162.0	162.2
5°	157.7	157.7	157.9	158.1	157.9
6°	153.4	153.4	153.6	153.6	153.6
7°	148.3	148.5	148.7	148.9	148.7
8°	142.8	143.0	143.6	143.6	143.4
9°	137.2	137.4	137.4	138.0	138.0
10°	131.7	131.7	131.3	131.7	132.1
12.5°	116.7	116.5	115.9	116.5	116.9
15°	101.6	101.6	100.2	101.4	101.8
17.5°	89.3	87.5	86.0	87.3	88.3
20°	76.8	75.0	73.3	74.6	75.8
22.5°	65.5	64.1	62.1	63.3	64.7
25°	55.9	54.1	52.0	53.5	55.1
27.5°	47.9	45.5	43.4	45.1	46.5
30°	39.7	38.1	36.3	37.5	38.9
32.5°	32.8	31.5	30.1	31.1	32.4
35°	26.8	25.8	25.0	25.6	26.4
37.5°	21.5	21.1	20.7	20.9	20.9
40°	17.0	17.2	17.2	17.2	16.8
42.5°	13.9	14.1	14.5	14.1	13.9
45°	11.7	11.9	12.3	11.9	11.7
47.5°	10.2	10.4	10.7	10.2	10.2
50°	9.2	9.2	9.2	9.2	9.2
52.5°	8.6	8.4	8.4	8.4	8.6
55°	8.0	7.8	7.6	7.8	8.0
57.5°	7.4	7.2	7.0	7.2	7.4
60°	7.2	6.8	6.6	6.8	7.0
62.5°	6.8	6.3	6.1	6.3	6.8
65°	6.6	5.9	5.7	5.9	6.6
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	3.1	4.3	5.7
80°	5.1	3.7	2.7	3.9	4.9
82.5°	3.7	3.1	2.0	3.1	3.7
85°	2.0	2.3	1.2	2.0	2.3
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)