

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: P1319329

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319329
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

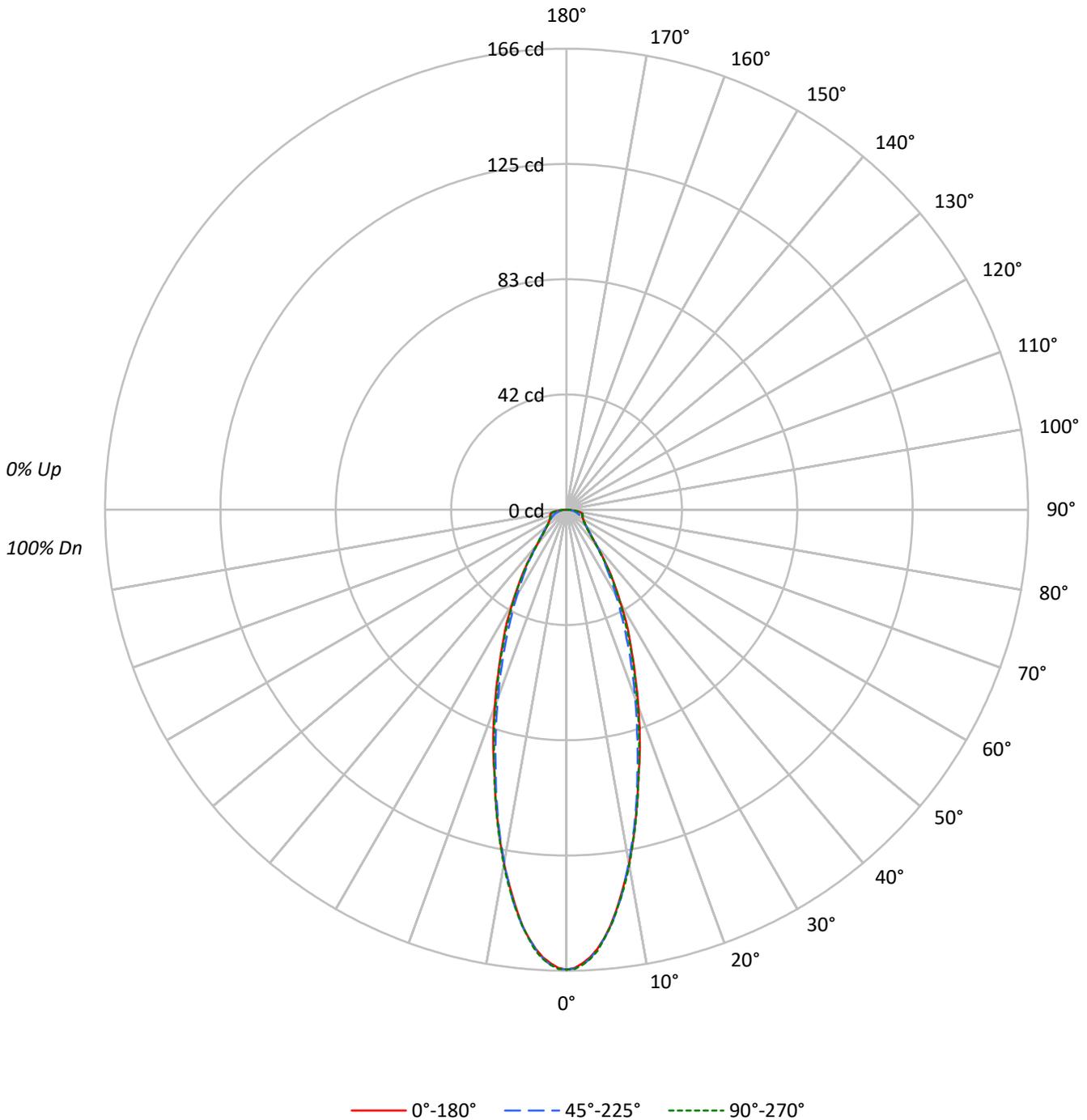
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 110.9 lumens
Efficiency: N/A
Efficacy: 38.2 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				
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	97	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	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	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	68	68	68	67
5	87	77	70	65	85	76	70	65	74	69	64	73	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	61	56	66	60	56	64	59	55	63	59	55	55	55	55	53
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	54	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	50	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28520	28520	28520
5°	26779	26814	26814
10°	22629	22559	22699
15°	17794	17545	17830
20°	13819	13196	13636
25°	10432	9710	10280
30°	7756	7080	7597
35°	5550	5151	5466
40°	3755	3799	3710
45°	2801	2947	2801
50°	2438	2438	2438
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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	12.6
10°-20°	27.6	24.9
20°-30°	24.4	22.0
30°-40°	16.0	14.4
40°-50°	9.4	8.5
50°-60°	6.9	6.2
60°-70°	5.8	5.3
70°-80°	4.8	4.3
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°	66.0	59.5
0°-40°	82.0	73.9
0°-60°	98.3	88.6
0°-90°	110.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	166	166	166	166	166	
5°	155	155	155	155	155	14
15°	100	100	98	100	100	28
25°	55	53	51	52	54	25
35°	26	25	24	25	26	17
45°	12	12	12	12	12	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	165.6	165.6	165.6	165.6	165.6
1°	165.0	165.2	165.2	165.4	165.4
2°	163.4	163.8	164.0	164.0	164.0
3°	161.4	161.6	161.8	162.0	162.0
4°	158.5	158.7	158.7	159.1	159.3
5°	154.9	154.9	155.1	155.3	155.1
6°	150.7	150.7	150.9	150.9	150.9
7°	145.7	145.9	146.1	146.3	146.1
8°	140.2	140.4	141.0	141.0	140.8
9°	134.8	135.0	135.0	135.6	135.6
10°	129.4	129.4	129.0	129.4	129.8
12.5°	114.7	114.5	113.9	114.5	114.9
15°	99.8	99.8	98.4	99.6	100.0
17.5°	87.7	85.9	84.5	85.7	86.7
20°	75.4	73.6	72.0	73.2	74.4
22.5°	64.4	63.0	61.0	62.2	63.6
25°	54.9	53.1	51.1	52.5	54.1
27.5°	47.1	44.7	42.7	44.3	45.7
30°	39.0	37.4	35.6	36.8	38.2
32.5°	32.2	31.0	29.6	30.6	31.8
35°	26.4	25.3	24.5	25.1	26.0
37.5°	21.1	20.7	20.3	20.5	20.5
40°	16.7	16.9	16.9	16.9	16.5
42.5°	13.7	13.9	14.3	13.9	13.7
45°	11.5	11.7	12.1	11.7	11.5
47.5°	10.1	10.3	10.5	10.1	10.1
50°	9.1	9.1	9.1	9.1	9.1
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)