

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: P1319333

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319333
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

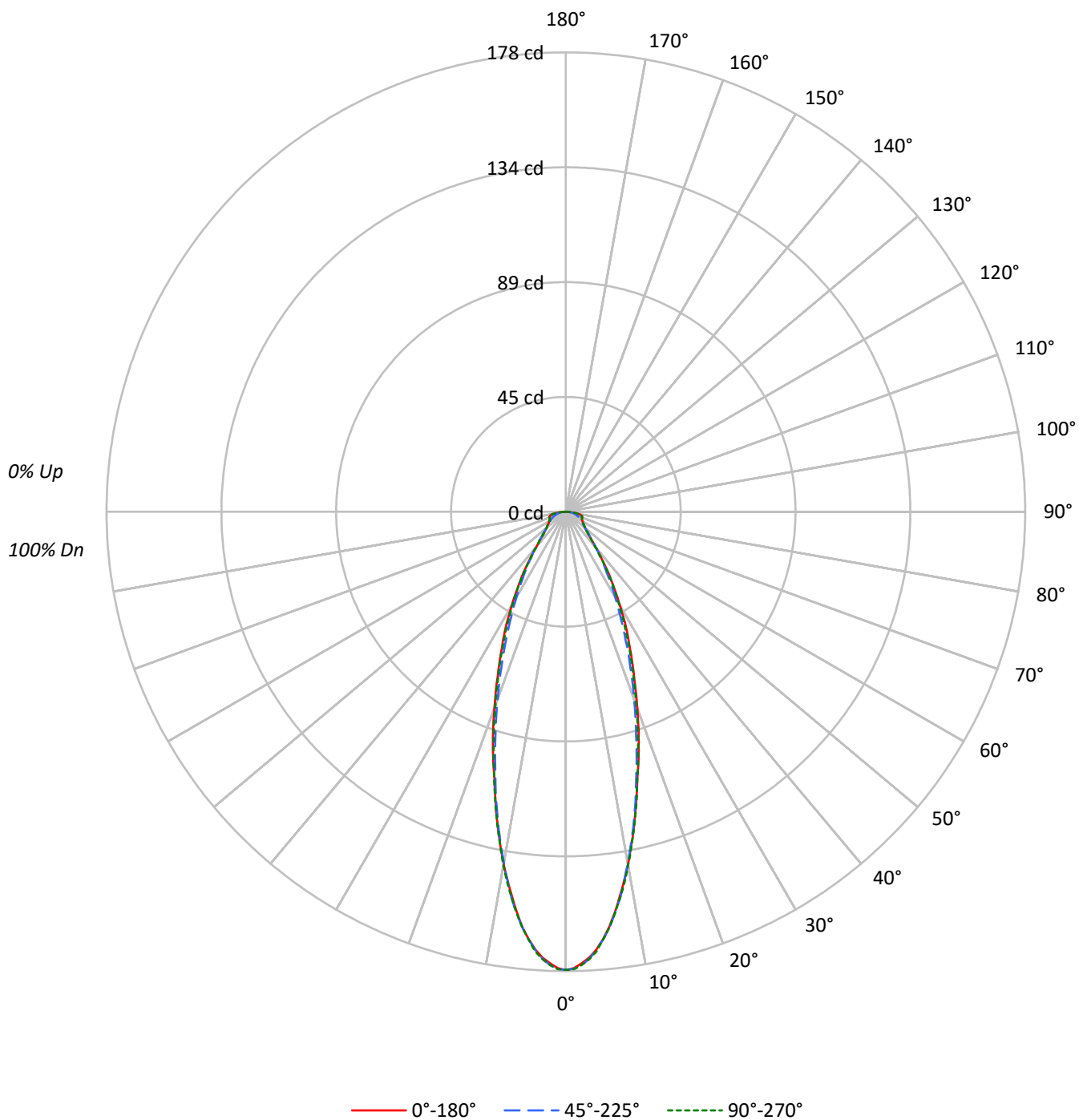
Lumens per Lamp: N/A
Luminaire Lumens: 119.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30570	30570	30570
5°	28715	28750	28750
10°	24256	24186	24326
15°	19078	18810	19114
20°	14827	14149	14625
25°	11193	10413	11022
30°	8313	7597	8153
35°	5950	5529	5845
40°	4024	4069	3979
45°	2996	3142	2996
50°	2599	2599	2599
55°	2522	2402	2522
60°	2583	2377	2514
65°	2812	2445	2812
70°	3374	2518	3374
75°	4325	2595	4325
80°	5356	2777	5157
85°	4347	2569	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	12.6
10°-20°	29.6	24.9
20°-30°	26.2	22.0
30°-40°	17.2	14.4
40°-50°	10.0	8.4
50°-60°	7.4	6.2
60°-70°	6.3	5.3
70°-80°	5.2	4.4
80°-90°	2.2	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°	70.7	59.4
0°-40°	87.9	73.9
0°-60°	105.3	88.5
0°-90°	119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	178	178	178	178	178	
5°	166	166	166	166	166	15
15°	107	107	106	107	107	30
25°	59	57	55	56	58	27
35°	28	27	26	27	28	18
45°	12	12	13	12	12	10
55°	8	8	8	8	8	8
65°	7	6	6	6	7	7
75°	6	5	4	5	6	7
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°	177.5	177.5	177.5	177.5	177.5
1°	176.9	177.1	177.1	177.3	177.3
2°	175.1	175.6	175.8	175.8	175.8
3°	173.0	173.2	173.4	173.6	173.6
4°	170.0	170.2	170.2	170.6	170.8
5°	166.1	166.1	166.3	166.5	166.3
6°	161.6	161.6	161.8	161.8	161.8
7°	156.2	156.4	156.6	156.8	156.6
8°	150.3	150.6	151.2	151.2	151.0
9°	144.5	144.7	144.7	145.4	145.4
10°	138.7	138.7	138.3	138.7	139.1
12.5°	122.9	122.7	122.1	122.7	123.2
15°	107.0	107.0	105.5	106.8	107.2
17.5°	94.0	92.1	90.6	91.9	93.0
20°	80.9	78.9	77.2	78.5	79.8
22.5°	69.0	67.5	65.4	66.6	68.2
25°	58.9	56.9	54.8	56.3	58.0
27.5°	50.5	47.9	45.7	47.5	49.0
30°	41.8	40.1	38.2	39.5	41.0
32.5°	34.5	33.2	31.7	32.8	34.1
35°	28.3	27.2	26.3	27.0	27.8
37.5°	22.6	22.2	21.8	22.0	22.0
40°	17.9	18.1	18.1	18.1	17.7
42.5°	14.7	14.9	15.3	14.9	14.7
45°	12.3	12.5	12.9	12.5	12.3
47.5°	10.8	11.0	11.2	10.8	10.8
50°	9.7	9.7	9.7	9.7	9.7
52.5°	9.1	8.8	8.8	8.8	9.1
55°	8.4	8.2	8.0	8.2	8.4
57.5°	7.8	7.5	7.3	7.5	7.8
60°	7.5	7.1	6.9	7.1	7.3
62.5°	7.1	6.7	6.5	6.7	7.1
65°	6.9	6.3	6.0	6.3	6.9
67.5°	6.7	5.8	5.4	5.8	6.7
70°	6.7	5.4	5.0	5.6	6.7
72.5°	6.5	5.2	4.3	5.2	6.5
75°	6.5	4.7	3.9	5.0	6.5
77.5°	6.0	4.3	3.2	4.5	6.0
80°	5.4	3.9	2.8	4.1	5.2
82.5°	3.9	3.2	2.2	3.2	3.9
85°	2.2	2.4	1.3	2.2	2.4
87.5°	0.2	0.6	0.4	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)