

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: P1319493

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHLP1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

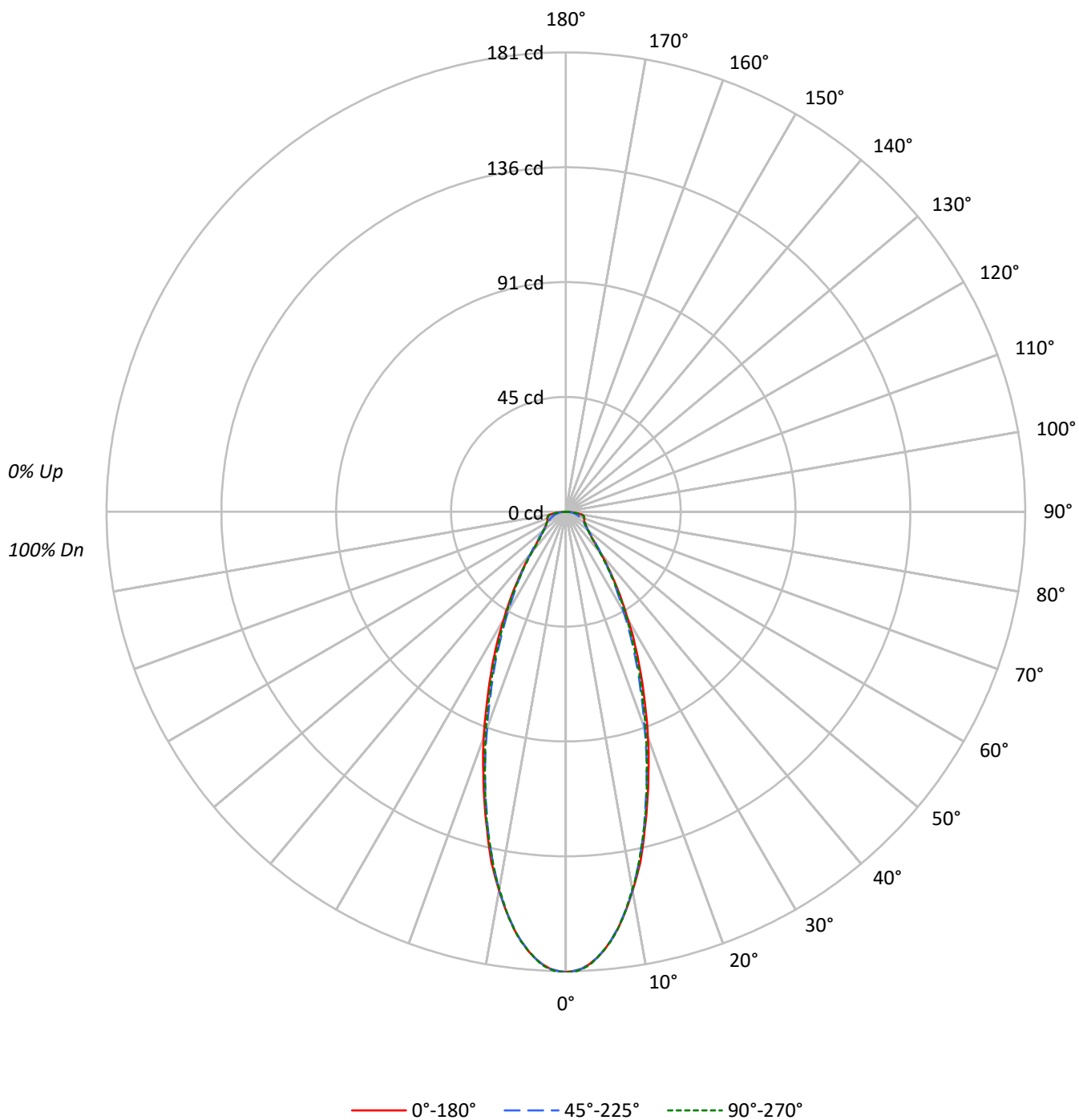
Lumens per Lamp: N/A
Luminaire Lumens: 137.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31241	31241	31241
5°	29977	29943	29943
10°	26494	26459	26389
15°	21877	21574	21699
20°	17338	16623	16898
25°	13207	12504	12827
30°	9725	9048	9426
35°	6959	6644	6728
40°	4766	4856	4631
45°	3532	3751	3483
50°	3081	3081	3028
55°	2913	2792	2913
60°	2997	2756	2997
65°	3260	2812	3260
70°	3928	2820	3827
75°	4924	2994	4924
80°	6248	3174	5752
85°	5138	2964	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	11.6
10°-20°	33.6	24.6
20°-30°	30.8	22.5
30°-40°	20.3	14.8
40°-50°	11.8	8.6
50°-60°	8.6	6.3
60°-70°	7.3	5.4
70°-80°	6.1	4.4
80°-90°	2.5	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°	80.3	58.6
0°-40°	100.6	73.4
0°-60°	121.1	88.4
0°-90°	137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	181	181	181	181	181	
5°	173	173	173	173	173	16
15°	123	122	121	121	122	34
25°	70	68	66	66	68	32
35°	33	32	32	32	32	21
45°	14	15	15	14	14	12
55°	10	10	9	10	10	9
65°	8	7	7	7	8	8
75°	7	6	4	6	7	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	181.4	181.4	181.4	181.4	181.4
1°	181.0	181.0	181.0	181.0	181.4
2°	180.1	179.9	180.1	180.1	180.3
3°	178.4	178.4	178.4	178.4	178.8
4°	176.2	176.2	176.2	176.2	176.2
5°	173.4	173.2	173.2	173.4	173.2
6°	169.9	169.9	169.9	169.9	170.1
7°	166.0	165.8	165.8	165.6	166.0
8°	161.5	161.5	161.3	161.1	161.5
9°	156.7	156.9	156.5	156.3	156.3
10°	151.5	151.3	151.3	151.3	150.9
11°	146.3	145.7	145.5	145.5	145.9
12°	141.1	140.1	139.6	139.6	139.6
13°	134.9	134.4	133.8	133.3	133.6
14°	128.6	128.6	127.5	127.5	127.9
15°	122.7	122.3	121.0	121.4	121.7
17.5°	108.2	107.4	105.9	105.9	106.1
20°	94.6	93.1	90.7	91.8	92.2
22.5°	81.2	79.7	77.3	78.4	78.8
25°	69.5	67.5	65.8	66.0	67.5
27.5°	58.9	56.7	55.0	55.6	56.5
30°	48.9	47.6	45.5	46.5	47.4
32.5°	40.5	39.4	37.9	38.5	39.4
35°	33.1	32.5	31.6	31.6	32.0
37.5°	26.8	26.6	26.2	26.0	25.8
40°	21.2	21.6	21.6	21.2	20.6
42.5°	17.3	17.8	18.2	17.3	16.7
45°	14.5	14.9	15.4	14.5	14.3
47.5°	12.8	13.0	13.2	12.8	12.6
50°	11.5	11.5	11.5	11.3	11.3
52.5°	10.6	10.4	10.2	10.4	10.4
55°	9.7	9.7	9.3	9.5	9.7
57.5°	9.1	8.9	8.7	8.9	9.1
60°	8.7	8.2	8.0	8.2	8.7
62.5°	8.2	7.8	7.4	7.8	8.2
65°	8.0	7.4	6.9	7.4	8.0
67.5°	7.8	6.9	6.3	6.9	7.8
70°	7.8	6.5	5.6	6.5	7.6
72.5°	7.6	6.1	5.2	6.1	7.6
75°	7.4	5.6	4.5	5.6	7.4
77.5°	7.1	5.2	3.9	5.2	6.9
80°	6.3	4.8	3.2	4.8	5.8
82.5°	4.5	3.9	2.6	3.9	4.3
85°	2.6	2.8	1.5	2.8	2.6
87.5°	0.4	0.6	0.4	1.1	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)