

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: P1319480

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHL1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHL1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

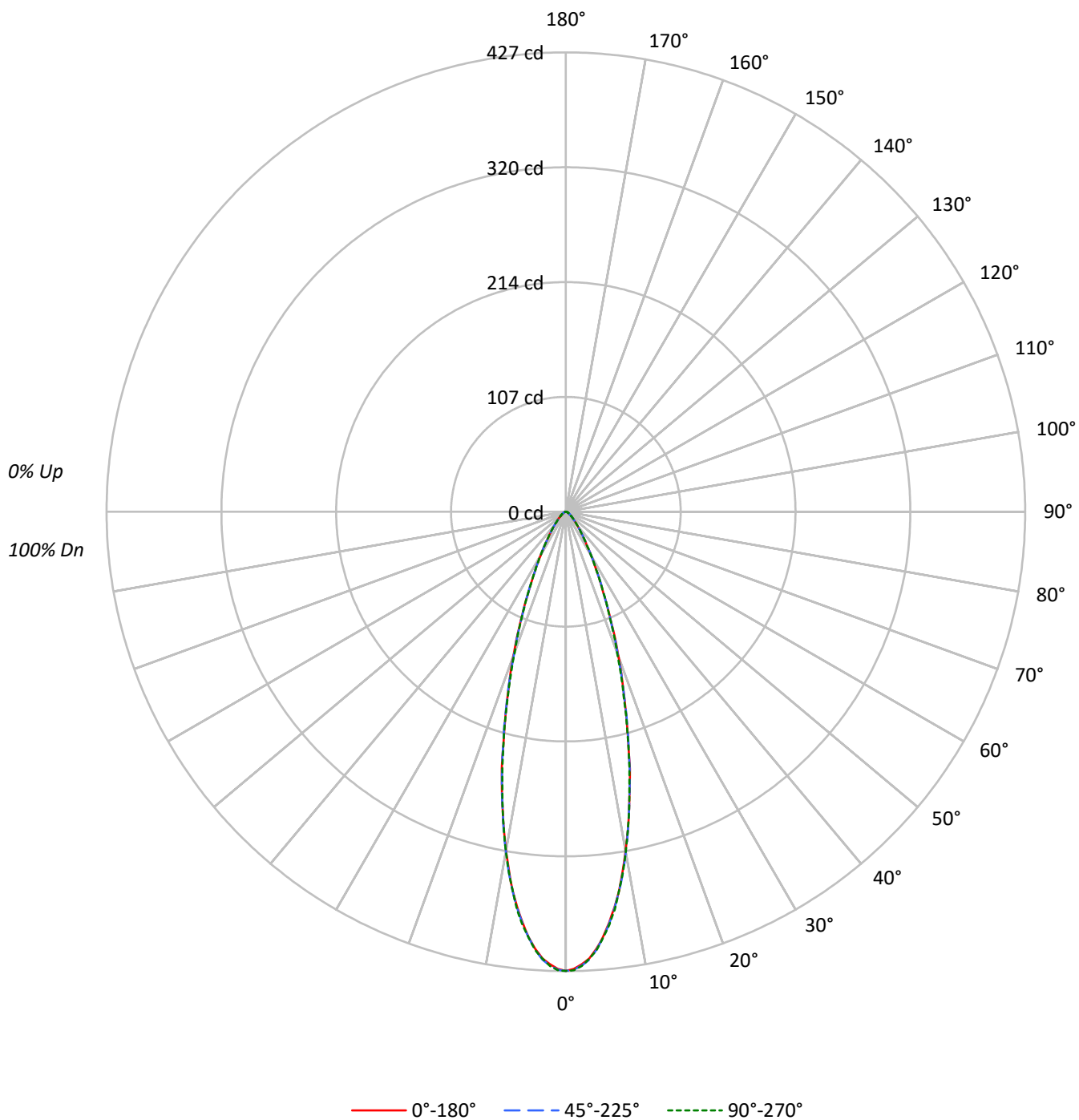
Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90		88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85		83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80		79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76		74
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78	75	72		71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69		67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66		64
9	81	72	67	63	80	72	67	63	71	66	63		70	66	63		69	66	63		62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60		59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	73505	73505	73505
5°	68599	68668	68703
10°	55961	56136	56136
15°	39974	40188	39974
20°	26153	25897	25530
25°	15544	15620	15544
30°	9367	9367	9327
35°	5698	5740	5698
40°	3642	3687	3687
45°	2533	2533	2533
50°	1822	1876	1876
55°	1441	1441	1501
60°	1171	1240	1240
65°	1060	1060	1060
70°	906	906	1007
75°	799	799	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	20.7
10°-20°	61.8	36.1
20°-30°	38.9	22.7
30°-40°	17.8	10.4
40°-50°	8.3	4.9
50°-60°	4.5	2.6
60°-70°	2.6	1.5
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	136.1	79.6
0°-40°	153.9	90.0
0°-60°	166.7	97.5
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	397	398	397	398	397	35
15°	224	226	225	226	224	62
25°	82	83	82	82	82	39
35°	27	27	27	27	27	18
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	426.8	426.8	426.8	426.8	426.8
1°	425.0	425.4	425.8	426.4	426.2
2°	421.0	421.8	422.0	422.8	422.6
3°	415.6	415.4	417.0	417.0	416.0
4°	407.2	407.6	408.0	408.4	408.6
5°	396.8	397.6	397.2	397.6	397.4
6°	384.1	385.3	385.1	385.4	386.0
7°	370.5	371.3	371.3	370.9	372.5
8°	355.7	355.1	356.1	355.7	355.5
9°	338.1	339.3	339.5	338.5	338.9
10°	320.0	320.8	321.0	321.6	321.0
11°	302.0	302.0	302.4	303.4	301.8
12°	282.5	284.2	282.5	283.2	282.5
13°	263.9	264.3	263.9	263.7	262.3
14°	246.3	244.9	245.3	243.7	243.9
15°	224.2	225.6	225.4	225.8	224.2
17.5°	180.2	181.0	180.8	180.4	178.5
20°	142.7	142.7	141.3	140.5	139.3
22.5°	109.0	108.6	108.0	107.4	107.8
25°	81.8	82.8	82.2	82.2	81.8
27.5°	61.9	63.1	62.1	61.5	61.9
30°	47.1	47.5	47.1	46.9	46.9
32.5°	35.5	35.7	35.5	35.5	35.5
35°	27.1	27.1	27.3	27.3	27.1
37.5°	21.0	21.0	21.0	21.0	21.2
40°	16.2	16.4	16.4	16.4	16.4
42.5°	12.8	13.0	13.0	13.0	13.0
45°	10.4	10.4	10.4	10.4	10.4
47.5°	8.4	8.4	8.4	8.4	8.6
50°	6.8	7.0	7.0	7.0	7.0
52.5°	5.8	5.8	5.8	5.8	5.8
55°	4.8	4.8	4.8	5.0	5.0
57.5°	4.0	4.0	4.2	4.2	4.2
60°	3.4	3.6	3.6	3.6	3.6
62.5°	3.0	3.0	3.2	3.2	3.2
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.2	2.2	2.2	2.2	2.4
70°	1.8	1.8	1.8	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.4	1.4
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)