

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: P1319481

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHL1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319481
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

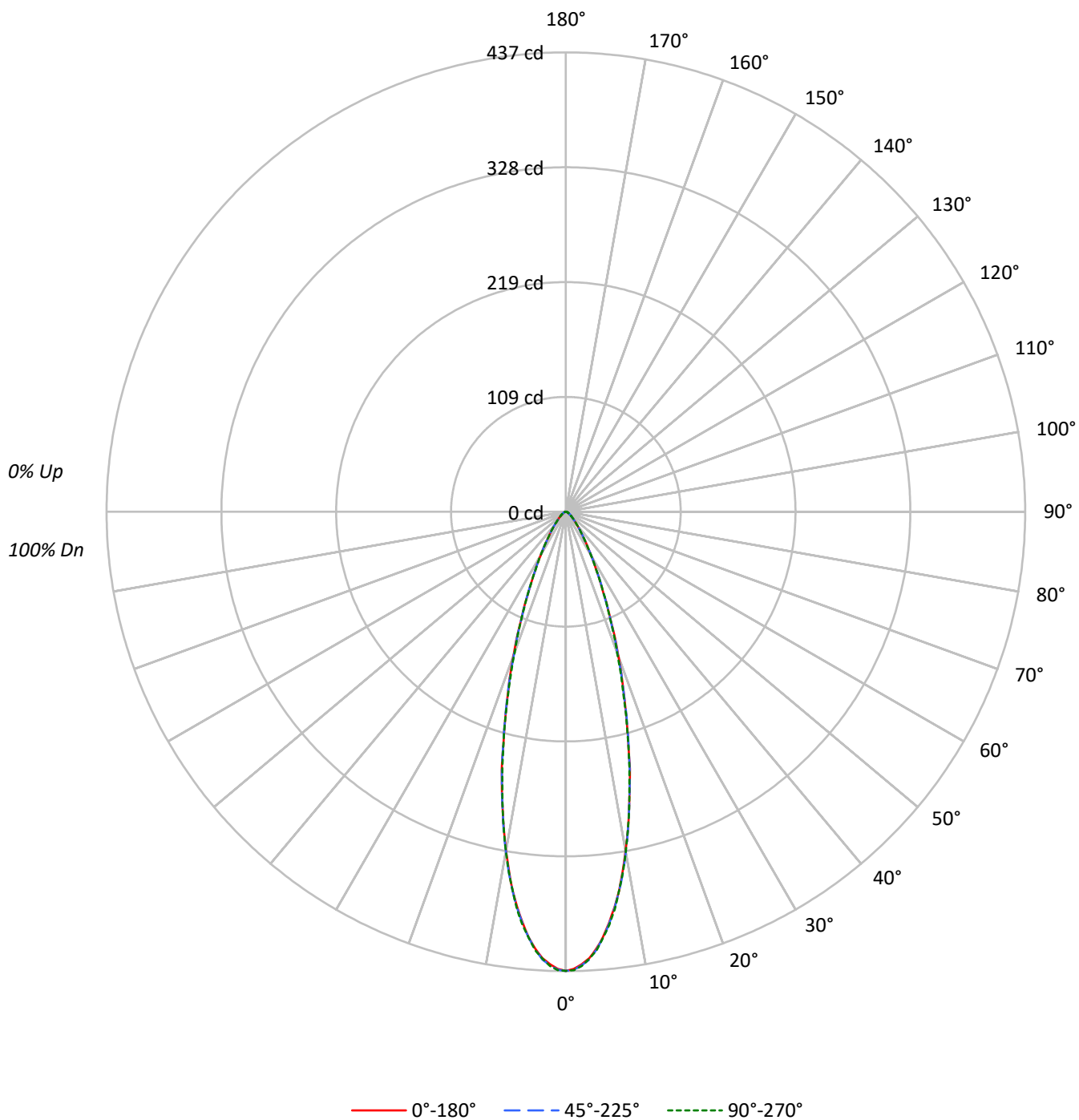
Lumens per Lamp: N/A
Luminaire Lumens: 175.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					
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	76	73		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	64		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°	75227	75227	75227
5°	70207	70276	70311
10°	57273	57448	57448
15°	40902	41116	40902
20°	26777	26502	26135
25°	15924	16000	15924
30°	9585	9585	9546
35°	5845	5887	5845
40°	3710	3777	3777
45°	2582	2582	2582
50°	1849	1902	1902
55°	1471	1471	1531
60°	1206	1274	1274
65°	1100	1100	1100
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: 2582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	20.7
10°-20°	63.3	36.2
20°-30°	39.8	22.7
30°-40°	18.2	10.4
40°-50°	8.5	4.9
50°-60°	4.6	2.6
60°-70°	2.7	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°	139.3	79.6
0°-40°	157.5	90.0
0°-60°	170.6	97.5
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	406	407	406	407	407	36
15°	229	231	231	231	229	63
25°	84	85	84	84	84	40
35°	28	28	28	28	28	18
45°	11	11	11	11	11	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°	436.8	436.8	436.8	436.8	436.8
1°	434.9	435.3	435.7	436.3	436.1
2°	430.8	431.6	431.8	432.7	432.5
3°	425.3	425.1	426.7	426.7	425.7
4°	416.7	417.1	417.5	418.0	418.2
5°	406.1	406.9	406.5	406.9	406.7
6°	393.0	394.3	394.1	394.5	395.1
7°	379.1	380.0	380.0	379.6	381.2
8°	364.0	363.4	364.4	364.0	363.8
9°	346.1	347.3	347.5	346.5	346.9
10°	327.5	328.3	328.5	329.1	328.5
11°	309.1	309.1	309.5	310.5	308.9
12°	289.1	290.9	289.1	289.9	289.1
13°	270.1	270.5	270.1	269.9	268.4
14°	252.1	250.7	251.1	249.4	249.6
15°	229.4	230.8	230.6	231.0	229.4
17.5°	184.5	185.3	185.1	184.7	182.6
20°	146.1	146.1	144.6	143.8	142.6
22.5°	111.5	111.1	110.5	109.9	110.3
25°	83.8	84.8	84.2	84.2	83.8
27.5°	63.3	64.6	63.5	62.9	63.3
30°	48.2	48.6	48.2	48.0	48.0
32.5°	36.4	36.6	36.4	36.4	36.4
35°	27.8	27.8	28.0	28.0	27.8
37.5°	21.4	21.4	21.4	21.4	21.7
40°	16.5	16.8	16.8	16.8	16.8
42.5°	13.1	13.3	13.3	13.3	13.3
45°	10.6	10.6	10.6	10.6	10.6
47.5°	8.6	8.6	8.6	8.6	8.8
50°	6.9	7.1	7.1	7.1	7.1
52.5°	5.9	5.9	5.9	5.9	5.9
55°	4.9	4.9	4.9	5.1	5.1
57.5°	4.1	4.1	4.3	4.3	4.3
60°	3.5	3.7	3.7	3.7	3.7
62.5°	3.1	3.1	3.3	3.3	3.3
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.2	2.2	2.2	2.2	2.5
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)