

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: P1319442

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

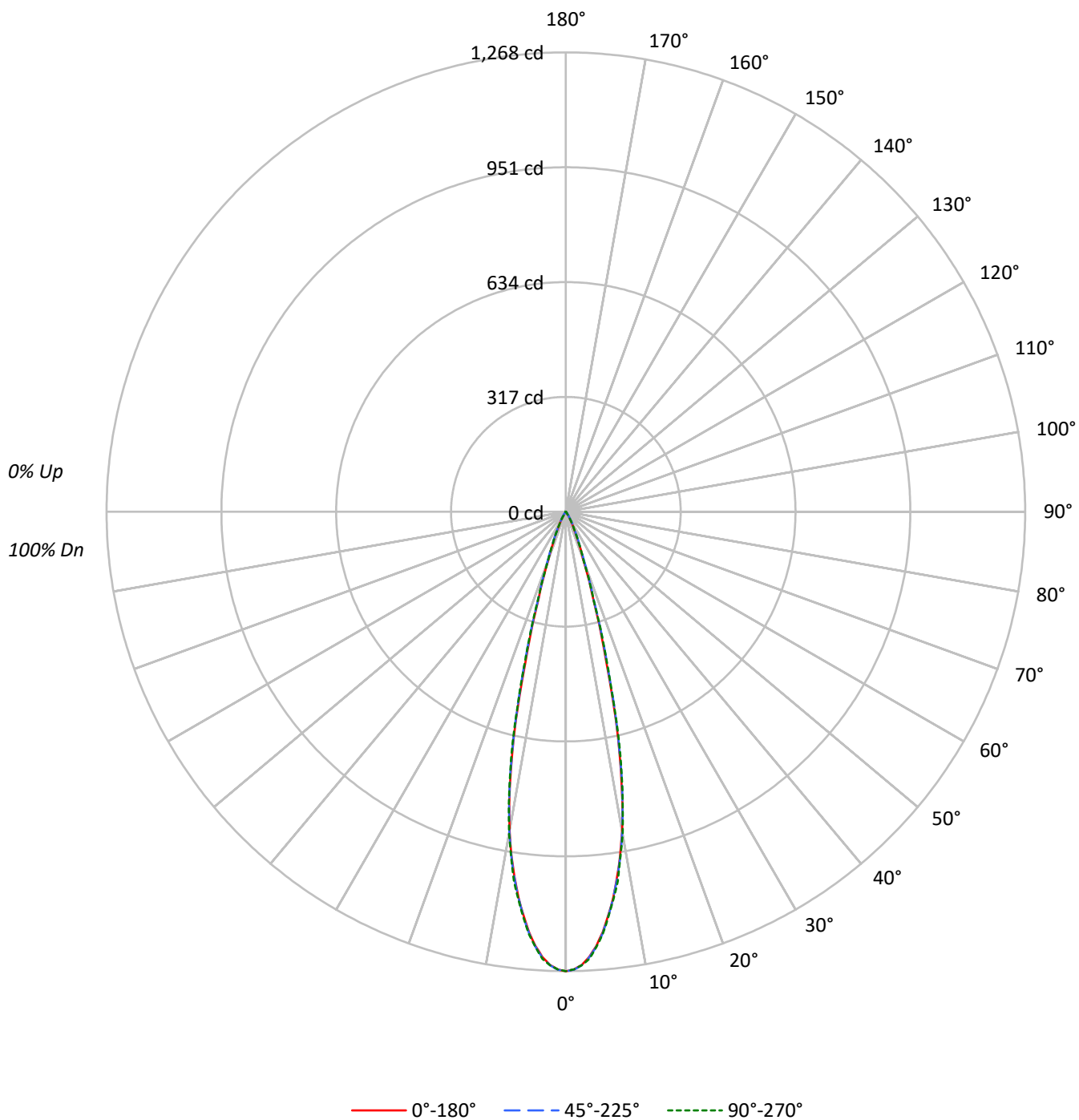
Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218430	218430	218430
5°	201406	201855	202287
10°	156377	156954	157794
15°	77274	80537	80573
20°	26025	27766	26538
25°	10775	11972	11079
30°	4236	5310	4276
35°	1114	2166	1156
40°	405	854	405
45°	49	244	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	38.9
10°-20°	124.3	47.1
20°-30°	30.4	11.5
30°-40°	5.9	2.2
40°-50°	0.7	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	257.4	97.5
0°-40°	263.3	99.7
0°-60°	264.0	100.0
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1165	1167	1168	1173	1170	102
15°	433	444	452	456	452	122
25°	57	60	63	60	58	29
35°	5	8	10	8	6	5
45°	0	1	1	1	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1268.3	1268.3	1268.3	1268.3	1268.3
1°	1263.4	1264.2	1264.5	1265.7	1263.2
2°	1251.9	1252.1	1252.7	1255.1	1252.9
3°	1230.6	1232.0	1232.2	1235.5	1236.1
4°	1201.7	1202.5	1204.1	1209.6	1204.7
5°	1165.0	1166.6	1167.6	1172.7	1170.1
6°	1119.6	1120.0	1122.3	1128.1	1124.5
7°	1073.5	1073.3	1073.5	1078.1	1077.1
8°	1017.8	1016.7	1020.0	1025.7	1029.5
9°	959.6	961.0	963.1	968.5	964.1
10°	894.2	898.1	897.5	897.9	902.3
11°	818.9	820.1	820.3	824.5	823.9
12°	730.4	730.4	737.0	743.9	741.7
13°	641.0	647.3	642.9	644.3	653.2
14°	536.9	541.8	547.9	553.5	549.1
15°	433.4	443.8	451.7	456.1	451.9
17.5°	248.3	251.8	258.4	259.2	256.6
20°	142.0	146.2	151.5	149.9	144.8
22.5°	89.3	90.5	95.8	93.2	92.0
25°	56.7	59.7	63.0	60.4	58.3
27.5°	35.2	37.3	40.7	37.9	35.6
30°	21.3	23.1	26.7	22.9	21.5
32.5°	11.1	13.8	16.8	14.0	11.1
35°	5.3	7.5	10.3	7.5	5.5
37.5°	3.2	4.1	6.3	4.1	3.2
40°	1.8	2.6	3.8	2.6	1.8
42.5°	0.8	1.4	1.8	1.4	1.0
45°	0.2	0.6	1.0	0.6	0.2
47.5°	0.0	0.0	0.6	0.2	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)