

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: P1319458

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPH1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPH1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

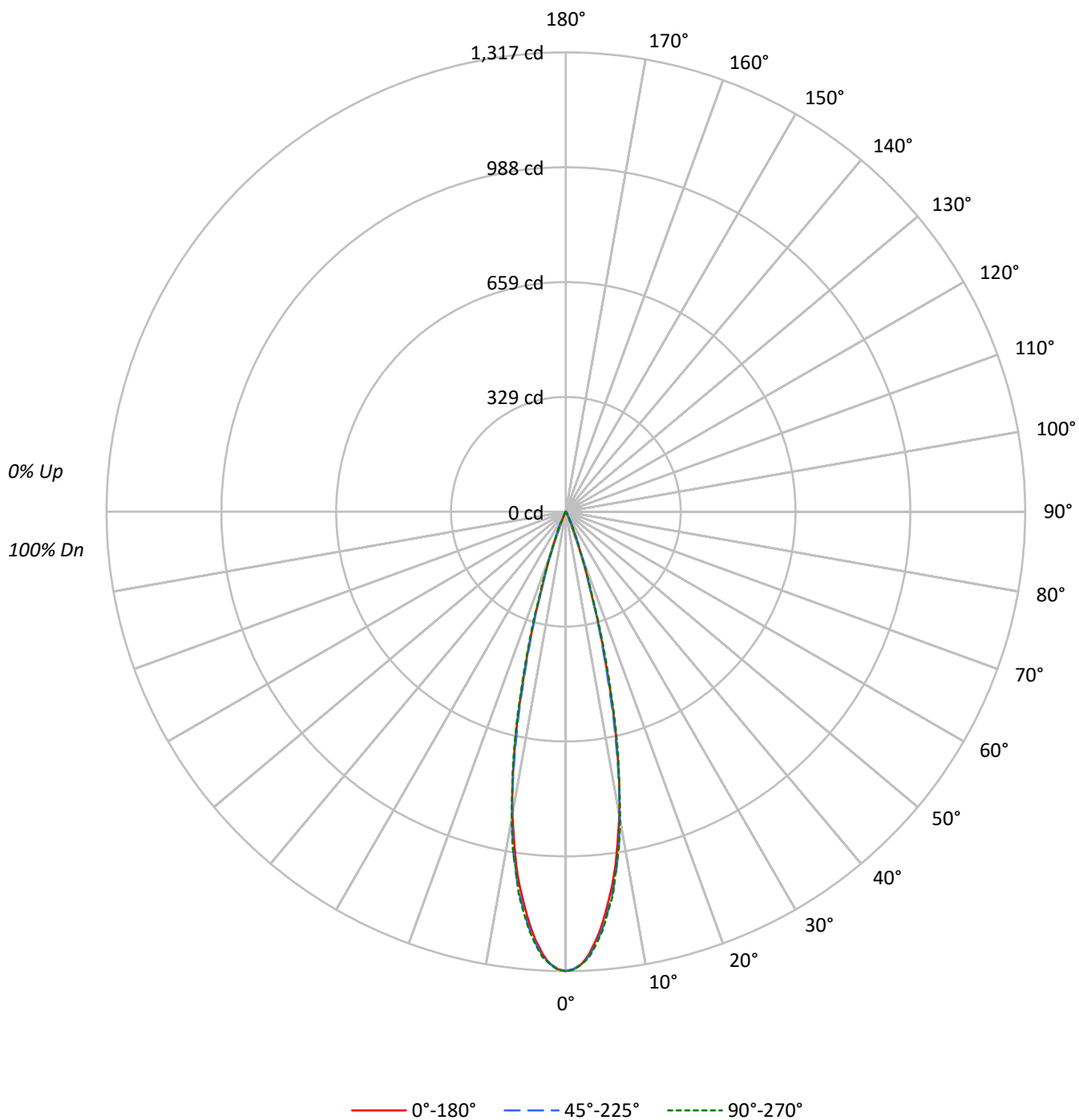
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93	91	89	88
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91	89	87	86
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90	87	86	85
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88	86	84	83
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	226766	226766	226766
5°	205486	207370	208373
10°	154489	155573	156307
15°	76490	74208	79164
20°	21608	21956	22195
25°	3744	7088	4447
30°	1472	1511	1551
35°	463	505	505
40°	157	202	157
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
Vertical Angle: 45°
Luminance: 97 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	43.0
10°-20°	118.0	48.5
20°-30°	18.3	7.5
30°-40°	1.9	0.8
40°-50°	0.2	0.1
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°	240.9	99.1
0°-40°	242.7	99.9
0°-60°	243.0	100.0
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1189	1191	1200	1204	1205	104
15°	429	426	416	435	444	118
25°	20	29	37	28	23	17
35°	2	2	2	3	2	2
45°	0	0	0	0	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°	1316.7	1316.7	1316.7	1316.7	1316.7
1°	1311.3	1313.0	1311.1	1313.2	1313.0
2°	1297.6	1299.4	1297.0	1298.3	1298.3
3°	1269.7	1273.4	1275.5	1277.1	1278.4
4°	1232.8	1237.0	1240.2	1244.1	1244.1
5°	1188.6	1190.8	1199.5	1204.2	1205.3
6°	1136.0	1144.7	1151.2	1160.7	1154.8
7°	1083.3	1090.5	1099.6	1101.1	1105.2
8°	1023.5	1031.1	1039.6	1038.1	1034.6
9°	950.7	961.8	971.8	968.5	972.8
10°	883.4	890.1	889.6	886.4	893.8
11°	805.1	806.7	798.2	811.4	803.4
12°	712.4	713.7	702.9	715.9	724.1
13°	623.6	620.5	605.6	622.7	633.1
14°	521.3	522.4	503.3	536.5	533.9
15°	429.0	426.0	416.2	434.9	444.0
17.5°	228.6	230.5	228.2	237.5	243.3
20°	117.9	121.1	119.8	123.7	121.1
22.5°	61.1	65.7	67.0	63.9	55.7
25°	19.7	29.3	37.3	28.4	23.4
27.5°	11.9	11.7	18.2	12.6	12.8
30°	7.4	7.2	7.6	7.6	7.8
32.5°	4.1	4.3	4.1	4.6	4.3
35°	2.2	2.4	2.4	2.6	2.4
37.5°	1.3	1.5	1.5	1.5	1.3
40°	0.7	0.9	0.9	0.7	0.7
42.5°	0.4	0.4	0.4	0.4	0.4
45°	0.4	0.2	0.2	0.2	0.4
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.2	0.0	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.2	0.0	0.0	0.0	0.2
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)