

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: P1319465

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPH1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319465
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 E3SQPH1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

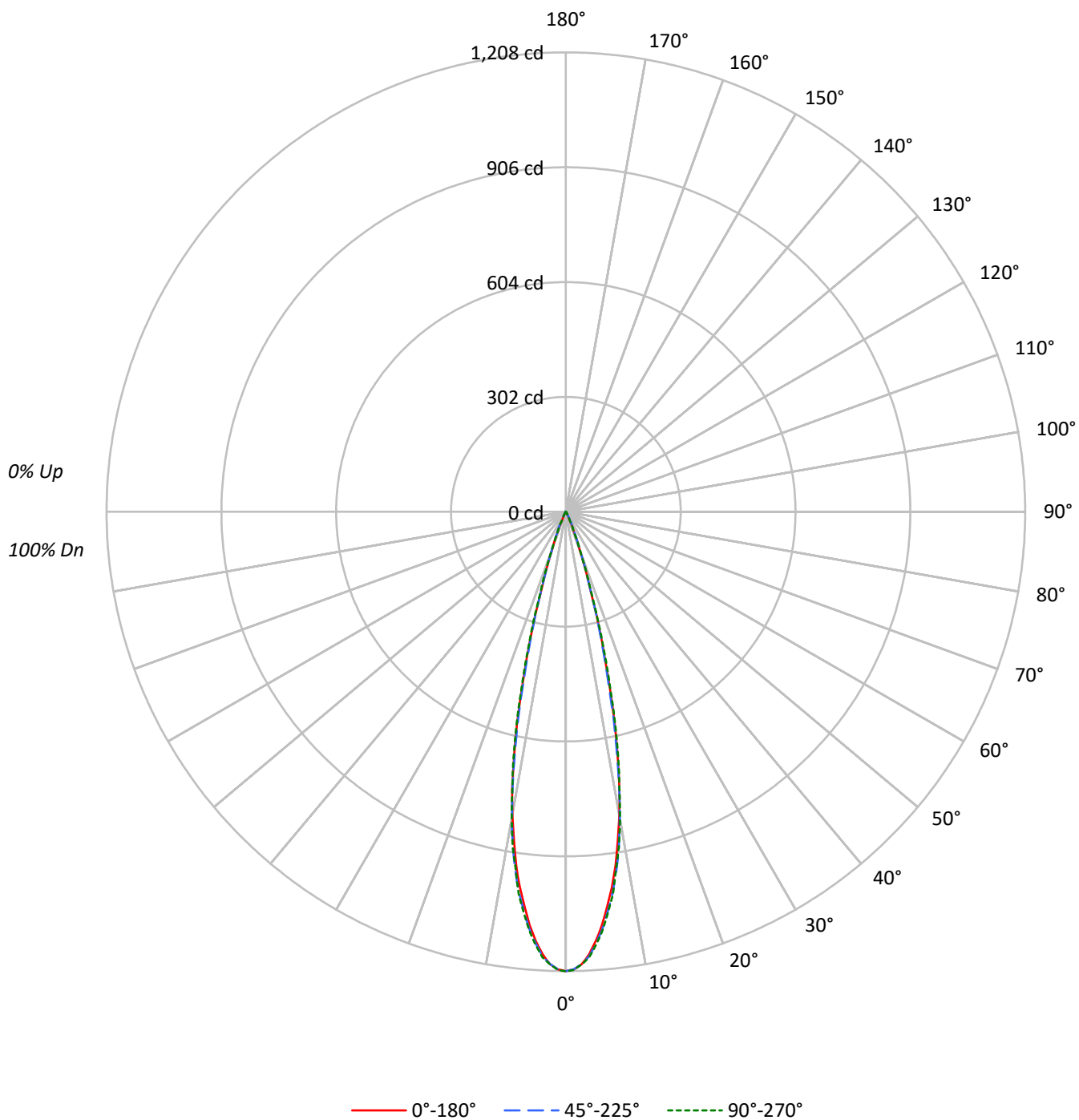
Lumens per Lamp: N/A
Luminaire Lumens: 223.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	85	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°	208097	208097	208097
5°	188578	190307	191223
10°	141775	142772	143436
15°	70196	68110	72639
20°	19830	20160	20362
25°	3439	6499	4086
30°	1352	1392	1432
35°	420	463	463
40°	135	180	135
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°	96.0	43.0
10°-20°	108.3	48.5
20°-30°	16.8	7.5
30°-40°	1.7	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°	221.0	99.1
0°-40°	222.7	99.9
0°-60°	223.0	100.0
0°-90°	223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1091	1093	1101	1105	1106	95
15°	394	391	382	399	407	108
25°	18	27	34	26	22	15
35°	2	2	2	2	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°	1208.3	1208.3	1208.3	1208.3	1208.3
1°	1203.4	1204.9	1203.2	1205.1	1204.9
2°	1190.8	1192.4	1190.2	1191.4	1191.4
3°	1165.2	1168.6	1170.6	1171.9	1173.1
4°	1131.4	1135.2	1138.1	1141.7	1141.7
5°	1090.8	1092.8	1100.8	1105.1	1106.1
6°	1042.5	1050.5	1056.4	1065.2	1059.8
7°	994.2	1000.7	1009.1	1010.5	1014.3
8°	939.3	946.3	954.0	952.6	949.4
9°	872.5	882.6	891.8	888.8	892.8
10°	810.7	816.8	816.4	813.4	820.2
11°	738.9	740.3	732.5	744.6	737.3
12°	653.8	655.0	645.0	657.0	664.5
13°	572.3	569.5	555.7	571.5	581.0
14°	478.4	479.4	461.9	492.3	489.9
15°	393.7	390.9	382.0	399.1	407.4
17.5°	209.8	211.6	209.4	217.9	223.3
20°	108.2	111.1	110.0	113.5	111.1
22.5°	56.1	60.2	61.4	58.7	51.1
25°	18.1	26.8	34.2	26.0	21.5
27.5°	10.9	10.7	16.7	11.5	11.7
30°	6.8	6.6	7.0	7.0	7.2
32.5°	3.8	4.0	3.8	4.2	4.0
35°	2.0	2.2	2.2	2.4	2.2
37.5°	1.2	1.4	1.4	1.4	1.2
40°	0.6	0.8	0.8	0.6	0.6
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)