

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: P1319453

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

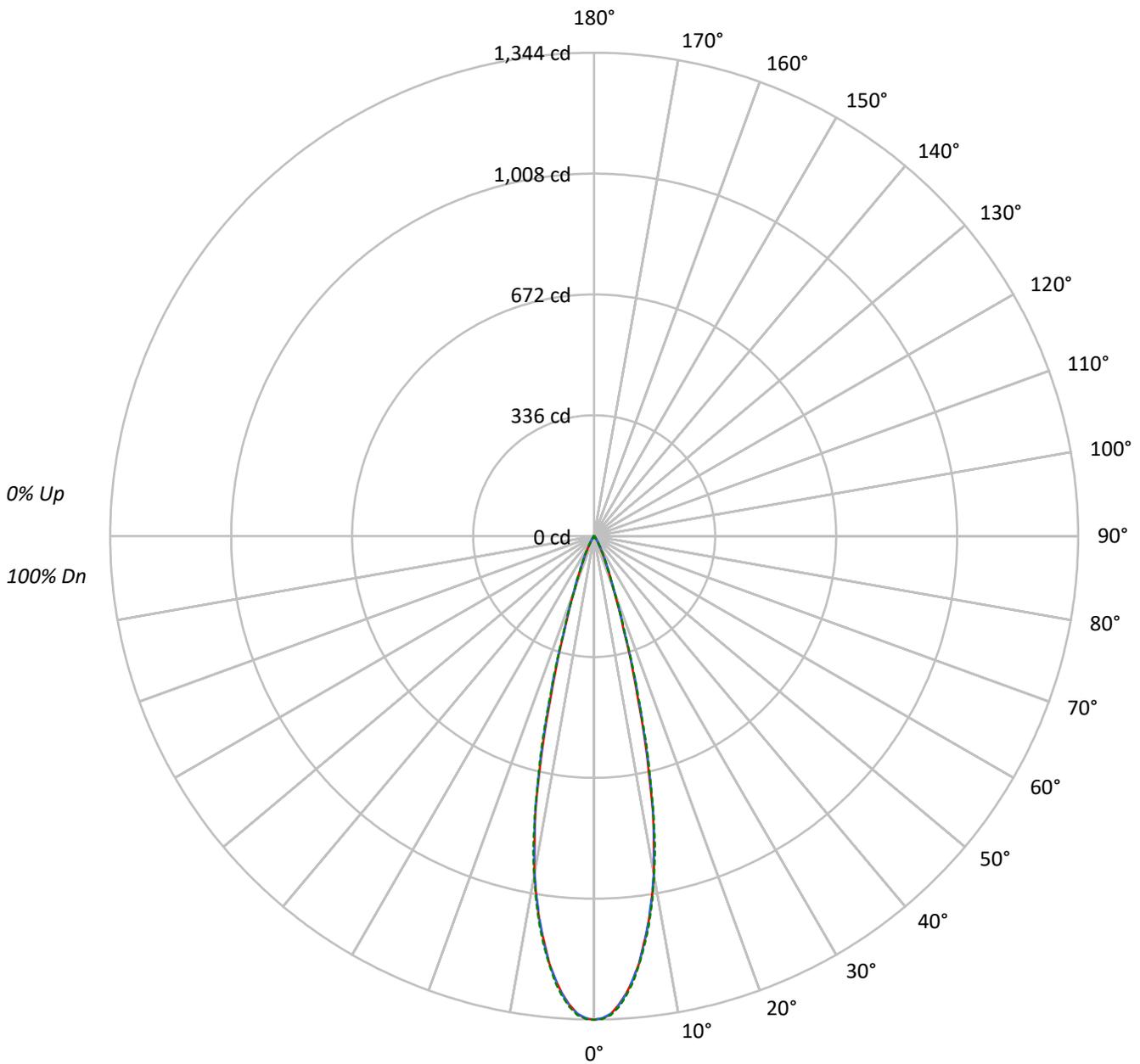
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 283.9 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	96	96	96	96	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	96	94	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	85	83	81	80
9	92	86	82	80	91	86	82	80	85	82	79	84	81	79	83	81	79	83	81	79	78
10	90	84	80	78	89	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	231519	231519	231519
5°	213853	213784	214977
10°	167045	166590	167727
15°	84032	87544	87473
20°	28756	29544	29067
25°	11554	12998	12048
30°	4693	5588	4554
35°	1367	2460	1367
40°	629	1079	629
45°	219	414	219
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	38.4
10°-20°	133.5	47.0
20°-30°	32.6	11.5
30°-40°	6.7	2.4
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	275.2	96.9
0°-40°	281.9	99.3
0°-60°	283.4	99.8
0°-90°	283.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1237	1238	1237	1239	1244	109
15°	471	479	491	493	491	132
25°	61	64	68	64	63	31
35°	6	9	12	9	6	6
45°	1	1	2	1	1	1
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1344.3	1344.3	1344.3	1344.3	1344.3
1°	1341.7	1340.0	1339.6	1339.8	1342.0
2°	1329.6	1328.5	1328.3	1329.0	1332.0
3°	1305.0	1306.3	1306.7	1308.9	1310.4
4°	1274.7	1277.3	1276.2	1278.8	1280.5
5°	1237.0	1238.1	1236.6	1239.2	1243.5
6°	1193.1	1189.2	1192.9	1193.9	1197.0
7°	1138.3	1139.2	1140.5	1141.8	1146.3
8°	1084.4	1081.8	1081.2	1087.2	1090.9
9°	1021.5	1021.9	1019.5	1026.4	1027.5
10°	955.2	949.8	952.6	958.1	959.1
11°	867.8	866.3	870.4	878.8	885.6
12°	785.8	786.7	791.0	793.8	792.3
13°	677.4	683.9	689.3	692.1	688.4
14°	579.3	579.3	586.3	587.3	600.5
15°	471.3	479.4	491.0	493.2	490.6
17.5°	272.2	273.3	279.0	278.7	282.8
20°	156.9	158.4	161.2	160.6	158.6
22.5°	94.4	97.6	104.3	98.9	97.4
25°	60.8	63.6	68.4	64.5	63.4
27.5°	38.1	40.0	43.7	40.3	38.5
30°	23.6	24.7	28.1	24.9	22.9
32.5°	12.8	15.6	18.4	15.6	12.8
35°	6.5	9.1	11.7	8.9	6.5
37.5°	4.3	5.2	7.6	5.0	4.3
40°	2.8	3.5	4.8	3.5	2.8
42.5°	1.5	2.2	2.6	2.4	1.5
45°	0.9	1.3	1.7	1.3	0.9
47.5°	0.6	0.6	1.1	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)