

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: P1314847

Luminaire Tested: P3SQAS02R259740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314847
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: P3SQAS02R259740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

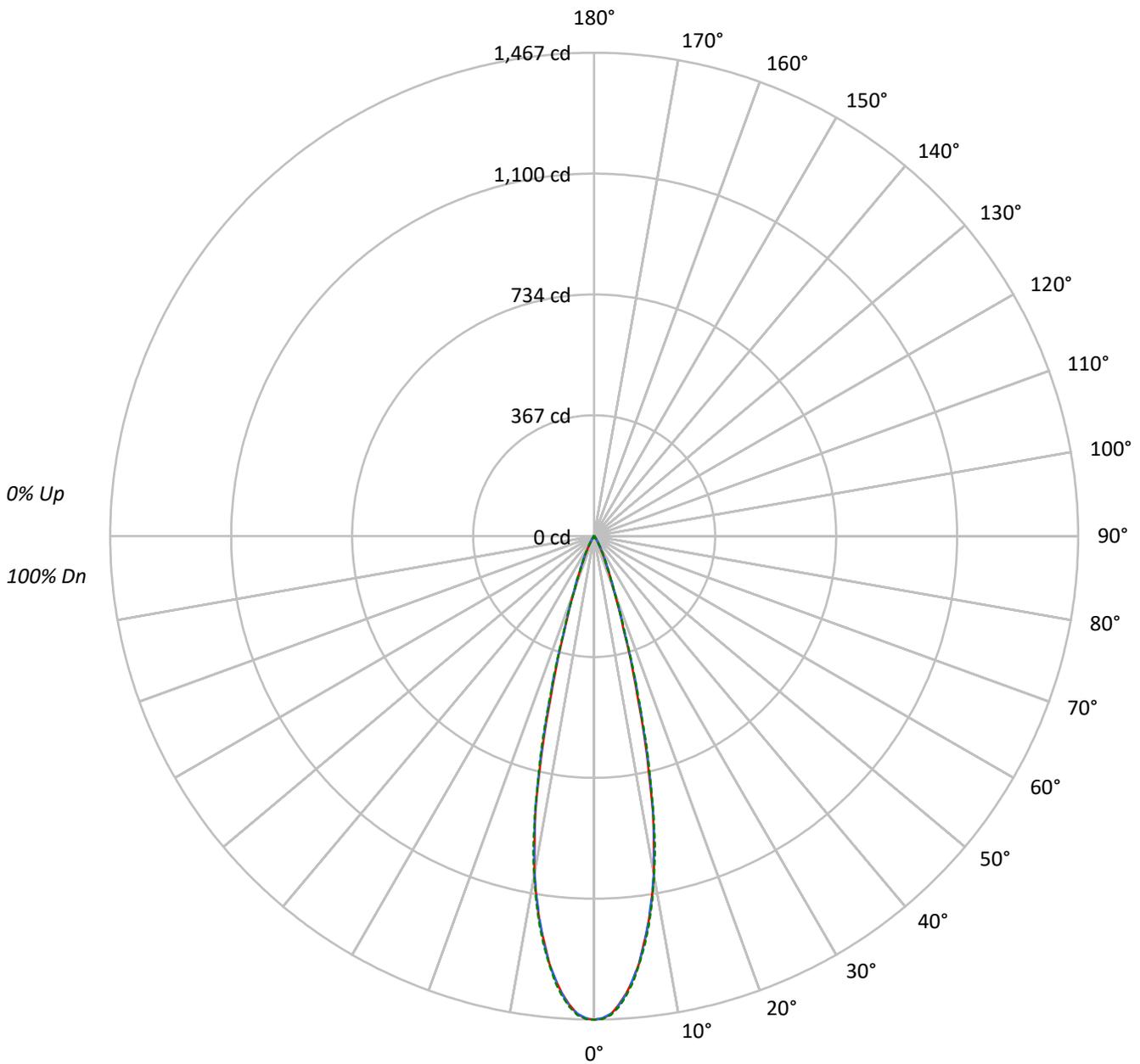
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 310.0 lumens
Efficiency: N/A
Efficacy: 86.1 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): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1314847
CATALOG NUMBER: P3SQAS02R259740DE010 E3SQCD1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1314847

CATALOG NUMBER: P3SQAS02R259740DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	252720	252720	252720
5°	233441	233354	234651
10°	182347	181857	183081
15°	91734	95568	95479
20°	31395	32256	31743
25°	12618	14176	13150
30°	5111	6105	4972
35°	1493	2691	1493
40°	697	1169	697
45°	219	463	219
50°	134	188	134
55°	150	150	150
60°	172	172	172
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: 463 cd/sqm



TEST NUMBER: P1314847

CATALOG NUMBER: P3SQAS02R259740DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	38.4
10°-20°	145.7	47.0
20°-30°	35.6	11.5
30°-40°	7.4	2.4
40°-50°	1.3	0.4
50°-60°	0.5	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°	300.4	96.9
0°-40°	307.7	99.3
0°-60°	309.5	99.8
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1350	1351	1350	1353	1357	119
15°	514	523	536	538	536	144
25°	66	69	75	70	69	34
35°	7	10	13	10	7	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



TEST NUMBER: P1314847

CATALOG NUMBER: P3SQAS02R259740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1467.4	1467.4	1467.4	1467.4	1467.4
1°	1464.6	1462.7	1462.2	1462.5	1464.8
2°	1451.4	1450.2	1449.9	1450.6	1454.0
3°	1424.4	1425.8	1426.3	1428.7	1430.3
4°	1391.4	1394.2	1393.0	1395.8	1397.7
5°	1350.3	1351.4	1349.8	1352.6	1357.3
6°	1302.3	1298.0	1302.1	1303.2	1306.6
7°	1242.5	1243.5	1244.9	1246.3	1251.3
8°	1183.7	1180.9	1180.2	1186.8	1190.8
9°	1115.0	1115.4	1112.8	1120.4	1121.6
10°	1042.7	1036.8	1039.9	1045.8	1046.9
11°	947.3	945.6	950.1	959.3	966.6
12°	857.7	858.7	863.4	866.5	864.8
13°	739.4	746.5	752.4	755.4	751.4
14°	632.4	632.4	639.9	641.1	655.5
15°	514.5	523.2	536.0	538.4	535.5
17.5°	297.2	298.3	304.5	304.3	308.7
20°	171.3	172.9	176.0	175.3	173.2
22.5°	103.0	106.5	113.9	108.0	106.3
25°	66.4	69.4	74.6	70.4	69.2
27.5°	41.6	43.7	47.7	43.9	42.0
30°	25.7	26.9	30.7	27.2	25.0
32.5°	13.9	17.0	20.1	17.0	13.9
35°	7.1	9.9	12.8	9.7	7.1
37.5°	4.7	5.7	8.3	5.4	4.7
40°	3.1	3.8	5.2	3.8	3.1
42.5°	1.7	2.4	2.8	2.6	1.7
45°	0.9	1.4	1.9	1.4	0.9
47.5°	0.7	0.7	1.2	0.7	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.5	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



TEST NUMBER: P1314847

CATALOG NUMBER: P3SQAS02R259740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)