

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: P1314833

Luminaire Tested: P3SQAS02R209740DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209740DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

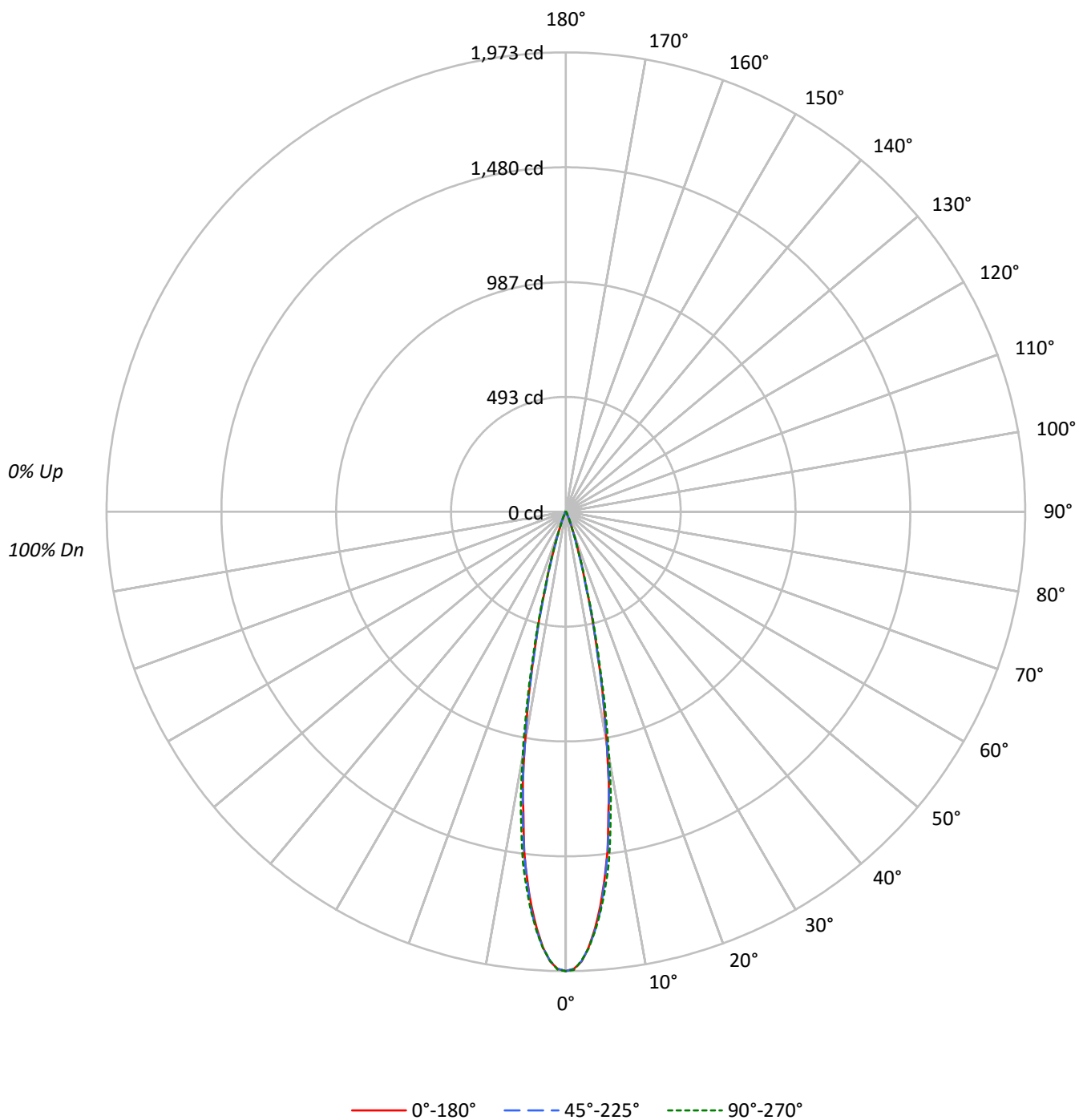
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1314833

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314833

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQPH1MW

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	339795	339795	339795
5°	293551	296283	297389
10°	176716	178360	187243
15°	61121	59694	64455
20°	16055	15102	15139
25°	3496	4219	4808
30°	1511	1511	1551
35°	841	736	799
40°	382	427	472
45°	122	170	170
50°	54	54	54
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: 22.5°

Vertical Angle: 45°

Luminance: 170 cd/sqm

TEST NUMBER: P1314833

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	53.3
10°-20°	107.4	40.5
20°-30°	13.3	5.0
30°-40°	2.5	0.9
40°-50°	0.6	0.2
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°	261.8	98.8
0°-40°	264.4	99.8
0°-60°	265.0	100.0
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1973	1973	1973	1973	1973	
5°	1698	1697	1714	1713	1720	140
15°	343	330	335	355	362	107
25°	18	21	22	23	25	13
35°	4	4	4	4	4	3
45°	0	1	1	1	1	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	

TEST NUMBER: P1314833

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1973.0	1973.0	1973.0	1973.0	1973.0
1°	1963.8	1961.4	1963.3	1959.3	1967.6
2°	1932.4	1930.0	1930.0	1927.7	1928.9
3°	1873.8	1877.6	1875.3	1870.3	1876.7
4°	1794.0	1798.3	1802.1	1802.3	1803.3
5°	1698.0	1696.8	1713.8	1712.6	1720.2
6°	1588.4	1587.0	1594.3	1606.6	1621.7
7°	1468.0	1450.8	1470.4	1495.2	1515.5
8°	1312.2	1316.7	1330.1	1359.4	1375.7
9°	1180.0	1153.8	1182.3	1217.3	1235.0
10°	1010.5	989.2	1019.9	1056.7	1070.7
12.5°	636.0	617.6	627.5	666.2	672.4
15°	342.8	330.5	334.8	354.8	361.5
17.5°	174.9	163.8	161.5	174.2	175.7
20°	87.6	85.0	82.4	83.6	82.6
22.5°	40.6	44.1	43.7	41.3	44.1
25°	18.4	21.0	22.2	23.1	25.3
27.5°	11.3	10.9	12.5	13.5	13.7
30°	7.6	7.3	7.6	7.8	7.8
32.5°	5.4	5.2	5.0	5.0	5.2
35°	4.0	4.0	3.5	3.8	3.8
37.5°	2.8	2.8	2.6	2.8	2.8
40°	1.7	1.9	1.9	1.9	2.1
42.5°	0.9	1.2	1.2	1.2	1.2
45°	0.5	0.7	0.7	0.7	0.7
47.5°	0.2	0.2	0.2	0.5	0.5
50°	0.2	0.2	0.2	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)