

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: P1313859

Luminaire Tested: P3SQAS02R209735DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313859
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: P3SQAS02R209735DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

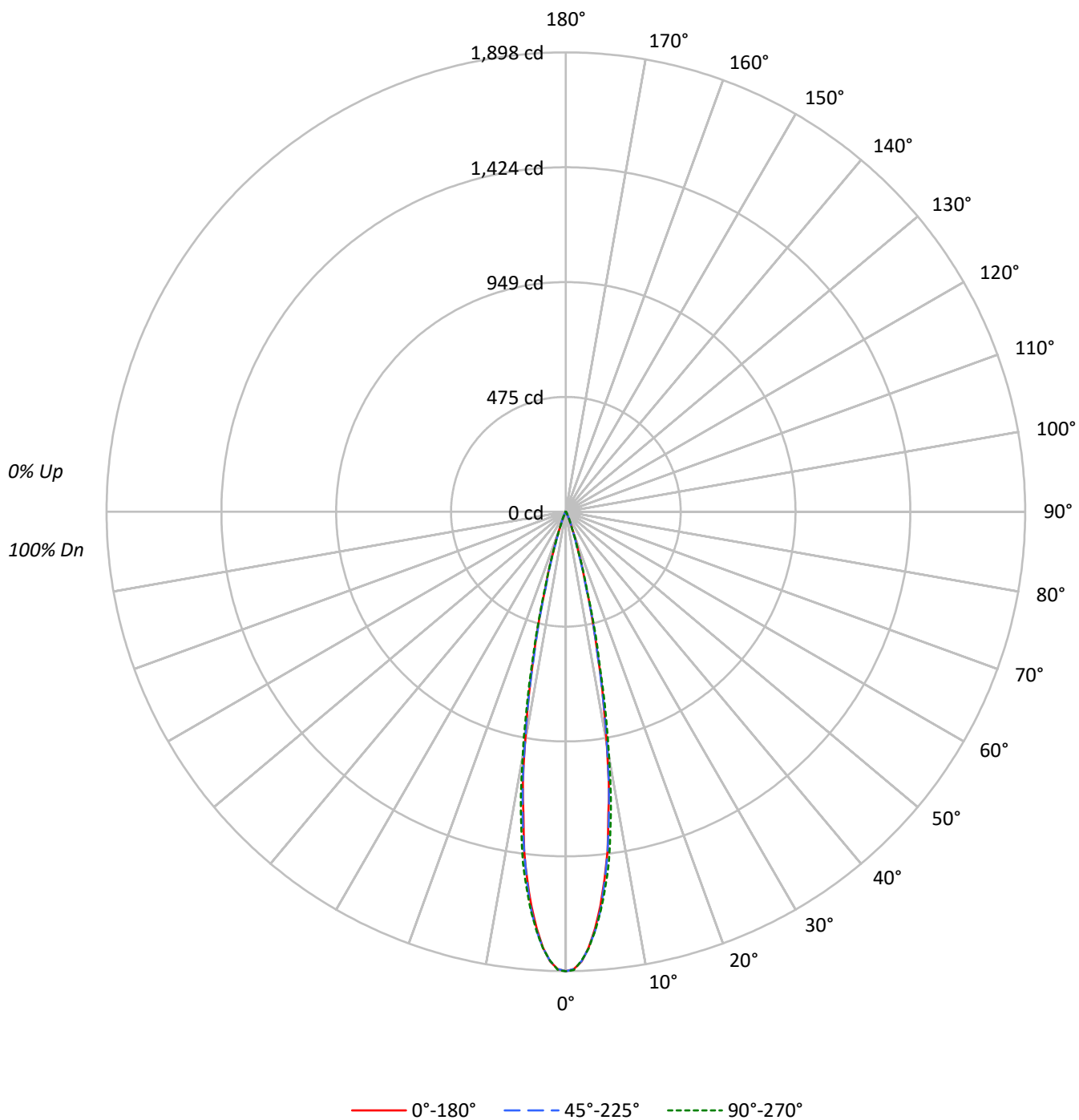
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313859

CATALOG NUMBER: P3SQAS02R209735DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313859

CATALOG NUMBER: P3SQAS02R209735DE010 E3SQPH1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	326965	326965	326965
5°	282469	285097	286152
10°	170035	171627	180178
15°	58821	57430	62012
20°	15450	14534	14570
25°	3363	4067	4618
30°	1452	1452	1491
35°	820	715	757
40°	360	405	450
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: P1313859

CATALOG NUMBER: P3SQAS02R209735DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	53.3
10°-20°	103.4	40.5
20°-30°	12.8	5.0
30°-40°	2.4	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°	252.0	98.8
0°-40°	254.4	99.8
0°-60°	255.0	100.0
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1634	1633	1649	1648	1655	135
15°	330	318	322	342	348	103
25°	18	20	21	22	24	12
35°	4	4	3	4	4	2
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: P1313859

CATALOG NUMBER: P3SQAS02R209735DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1898.5	1898.5	1898.5	1898.5	1898.5
1°	1889.7	1887.4	1889.2	1885.4	1893.3
2°	1859.5	1857.2	1857.2	1854.9	1856.1
3°	1803.1	1806.8	1804.5	1799.7	1805.9
4°	1726.3	1730.4	1734.1	1734.3	1735.2
5°	1633.9	1632.7	1649.1	1648.0	1655.2
6°	1528.5	1527.1	1534.2	1546.0	1560.5
7°	1412.6	1396.0	1414.9	1438.7	1458.3
8°	1262.7	1267.0	1279.9	1308.1	1323.8
9°	1135.4	1110.2	1137.7	1171.3	1188.4
10°	972.3	951.9	981.4	1016.9	1030.3
12.5°	612.0	594.3	603.8	641.1	647.0
15°	329.9	318.1	322.1	341.5	347.8
17.5°	168.3	157.7	155.4	167.7	169.0
20°	84.3	81.8	79.3	80.4	79.5
22.5°	39.1	42.5	42.0	39.8	42.5
25°	17.7	20.2	21.4	22.3	24.3
27.5°	10.9	10.5	12.0	12.9	13.2
30°	7.3	7.0	7.3	7.5	7.5
32.5°	5.2	5.0	4.8	4.8	5.0
35°	3.9	3.9	3.4	3.6	3.6
37.5°	2.7	2.7	2.5	2.7	2.7
40°	1.6	1.8	1.8	1.8	2.0
42.5°	0.9	1.1	1.1	1.1	1.1
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)