

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: P1317526

Luminaire Tested: P3SQAS02R209835DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317526
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: P3SQAS02R209835DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

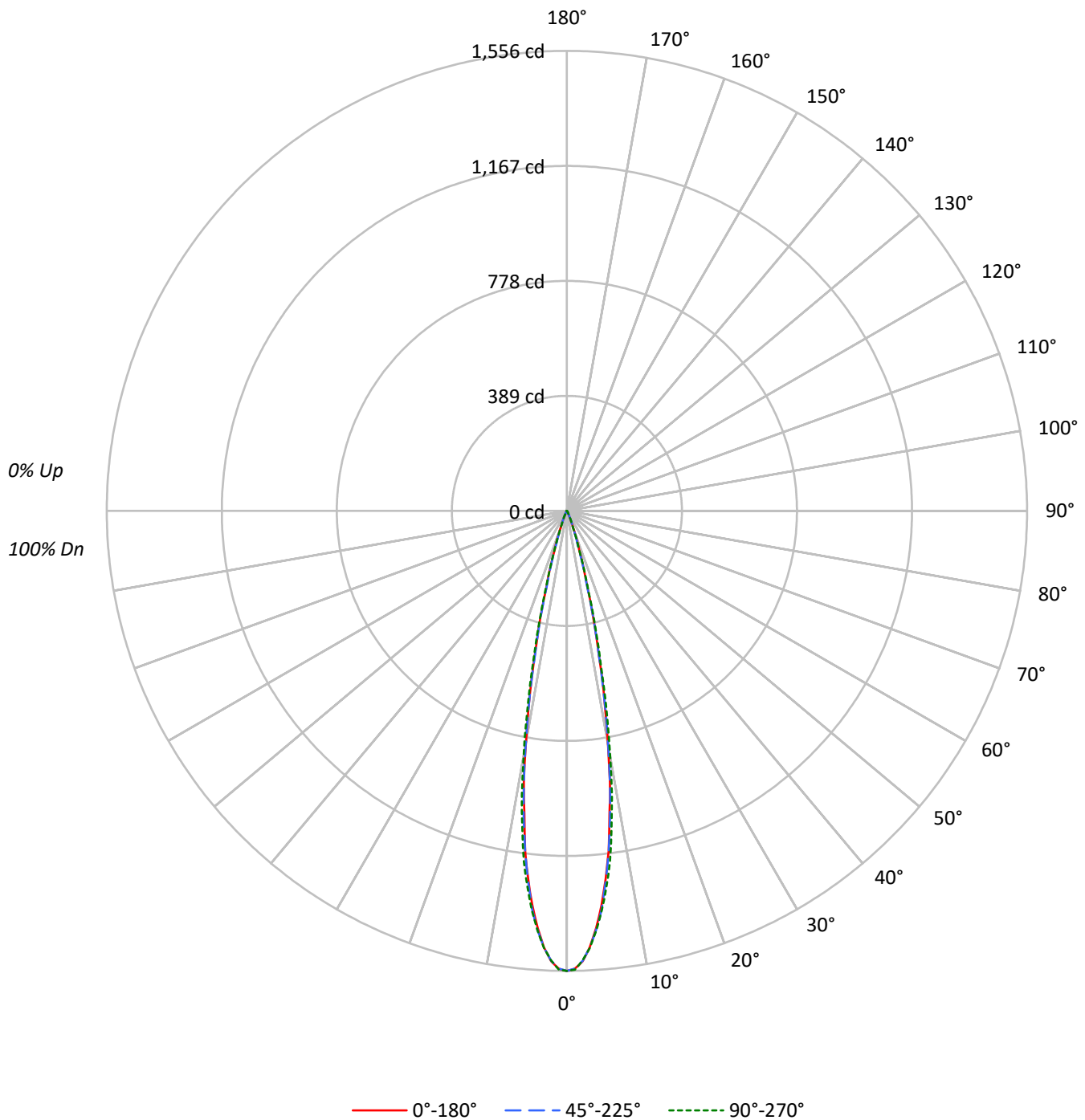
Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317526

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317526

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPH1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	267996	267996	267996
5°	231504	233665	234530
10°	139361	140673	147668
15°	48212	47071	50833
20°	12664	11913	11950
25°	2755	3325	3782
30°	1193	1193	1213
35°	673	589	631
40°	292	337	382
45°	97	146	146
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: 146 cd/sqm

TEST NUMBER: P1317526

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	53.2
10°-20°	84.7	40.5
20°-30°	10.5	5.0
30°-40°	2.0	0.9
40°-50°	0.5	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°	206.5	98.8
0°-40°	208.5	99.8
0°-60°	209.0	100.0
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1556	1556	1556	1556	1556	
5°	1339	1338	1352	1351	1357	110
15°	270	261	264	280	285	85
25°	14	17	18	18	20	10
35°	3	3	3	3	3	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: P1317526

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1556.1	1556.1	1556.1	1556.1	1556.1
1°	1548.8	1546.9	1548.4	1545.3	1551.8
2°	1524.0	1522.2	1522.2	1520.3	1521.2
3°	1477.9	1480.8	1479.0	1475.1	1480.1
4°	1414.9	1418.3	1421.3	1421.4	1422.2
5°	1339.1	1338.2	1351.6	1350.7	1356.6
6°	1252.7	1251.6	1257.4	1267.1	1279.0
7°	1157.8	1144.2	1159.6	1179.2	1195.2
8°	1034.9	1038.4	1049.0	1072.1	1085.0
9°	930.6	910.0	932.5	960.0	974.0
10°	796.9	780.2	804.4	833.4	844.4
12.5°	501.6	487.1	494.9	525.5	530.3
15°	270.4	260.7	264.0	279.9	285.1
17.5°	138.0	129.2	127.4	137.4	138.5
20°	69.1	67.0	65.0	65.9	65.2
22.5°	32.0	34.8	34.4	32.6	34.8
25°	14.5	16.6	17.5	18.2	19.9
27.5°	8.9	8.6	9.9	10.6	10.8
30°	6.0	5.8	6.0	6.1	6.1
32.5°	4.3	4.1	3.9	3.9	4.1
35°	3.2	3.2	2.8	3.0	3.0
37.5°	2.2	2.2	2.0	2.2	2.2
40°	1.3	1.5	1.5	1.5	1.7
42.5°	0.7	0.9	0.9	0.9	0.9
45°	0.4	0.6	0.6	0.6	0.6
47.5°	0.2	0.2	0.2	0.4	0.4
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)