

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: P1312889

Luminaire Tested: P3SQAS02R209730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312889
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: P3SQAS02R209730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

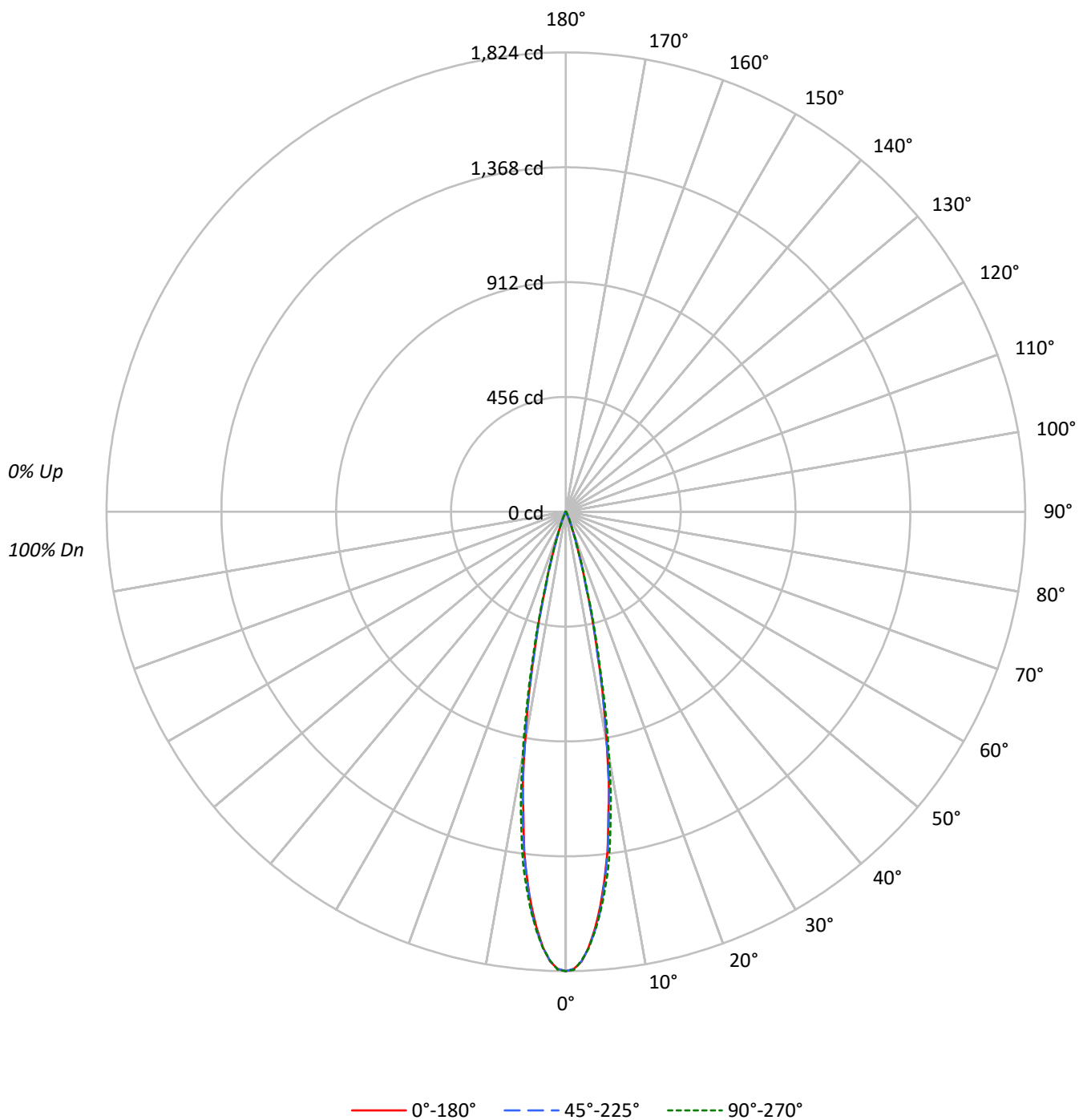
Lumens per Lamp: N/A
Luminaire Lumens: 245.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312889

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312889

CATALOG NUMBER: P3SQAS02R209730DE010 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
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	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	314151	314151	314151
5°	271388	273912	274932
10°	163372	164894	173113
15°	56503	55183	59587
20°	14845	13966	14002
25°	3230	3896	4447
30°	1392	1392	1432
35°	778	694	736
40°	337	382	450
45°	97	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: P1312889

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	53.3
10°-20°	99.3	40.5
20°-30°	12.3	5.0
30°-40°	2.3	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°	242.1	98.8
0°-40°	244.4	99.8
0°-60°	245.0	100.0
0°-90°	245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1824	1824	1824	1824	1824	
5°	1570	1569	1584	1583	1590	129
15°	317	306	310	328	334	99
25°	17	19	20	21	23	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: P1312889

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1824.1	1824.1	1824.1	1824.1	1824.1
1°	1815.6	1813.4	1815.1	1811.4	1819.1
2°	1786.6	1784.4	1784.4	1782.2	1783.3
3°	1732.4	1735.9	1733.7	1729.1	1735.0
4°	1658.6	1662.6	1666.1	1666.3	1667.2
5°	1569.8	1568.7	1584.4	1583.3	1590.3
6°	1468.5	1467.2	1474.0	1485.3	1499.3
7°	1357.2	1341.3	1359.4	1382.3	1401.1
8°	1213.2	1217.3	1229.7	1256.8	1271.9
9°	1090.9	1066.7	1093.1	1125.4	1141.8
10°	934.2	914.6	942.9	977.0	989.9
12.5°	588.0	571.0	580.2	616.0	621.6
15°	316.9	305.6	309.5	328.1	334.2
17.5°	161.7	151.5	149.3	161.1	162.4
20°	81.0	78.6	76.2	77.3	76.4
22.5°	37.5	40.8	40.4	38.2	40.8
25°	17.0	19.4	20.5	21.4	23.4
27.5°	10.5	10.0	11.6	12.4	12.7
30°	7.0	6.8	7.0	7.2	7.2
32.5°	5.0	4.8	4.6	4.6	4.8
35°	3.7	3.7	3.3	3.5	3.5
37.5°	2.6	2.6	2.4	2.6	2.6
40°	1.5	1.7	1.7	1.7	2.0
42.5°	0.9	1.1	1.1	1.1	1.1
45°	0.4	0.7	0.7	0.7	0.7
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)