

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: P1314830

Luminaire Tested: P3SQAS02R209740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

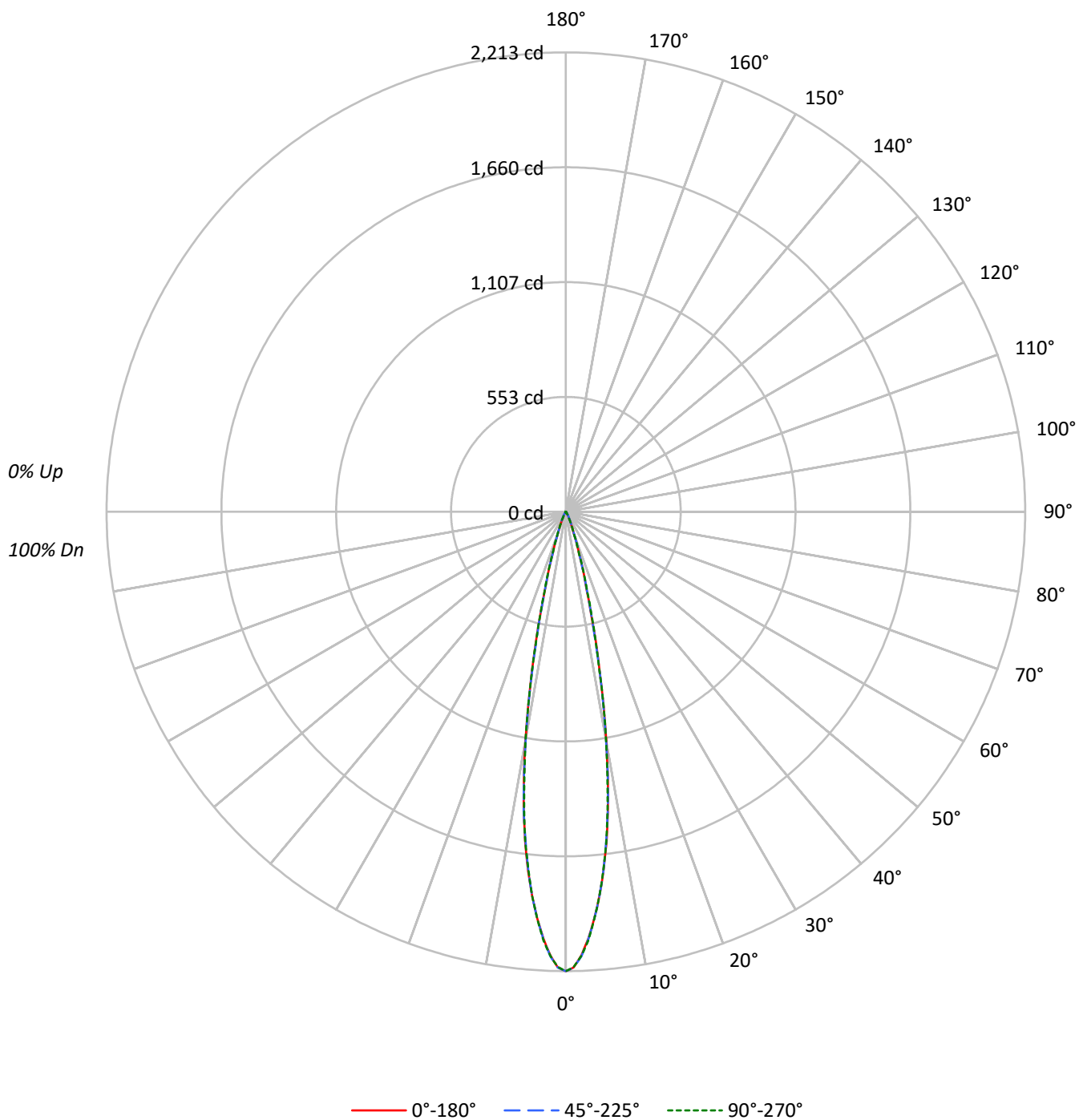
Lumens per Lamp: N/A
Luminaire Lumens: 305.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314830

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314830

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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	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	91	88	99	94	90	88	92	90	87		92	89	87		91
8	98	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	381180	381180	381180
5°	321264	321402	321229
10°	195778	194868	195323
15°	68966	69251	71408
20°	21663	22268	21791
25°	8114	8874	8342
30°	3142	4455	3281
35°	1198	1976	1282
40°	629	854	629
45°	219	414	292
50°	134	188	134
55°	150	150	150
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 414 cd/sqm

TEST NUMBER: P1314830

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	50.4
10°-20°	120.5	39.5
20°-30°	23.7	7.8
30°-40°	5.3	1.7
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	297.8	97.6
0°-40°	303.1	99.4
0°-60°	304.7	99.9
0°-90°	305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2213	2213	2213	2213	2213	
5°	1858	1860	1859	1865	1858	154
15°	387	388	388	397	400	120
25°	43	46	47	46	44	23
35°	6	7	9	7	6	4
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	

TEST NUMBER: P1314830

CATALOG NUMBER: P3SQAS02R209740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2213.3	2213.3	2213.3	2213.3	2213.3
1°	2195.3	2190.6	2196.0	2191.8	2192.7
2°	2138.5	2135.9	2142.9	2138.5	2140.8
3°	2059.4	2056.1	2061.3	2061.5	2068.1
4°	1965.0	1958.6	1966.4	1966.7	1967.8
5°	1858.3	1860.0	1859.1	1865.4	1858.1
6°	1738.5	1743.9	1736.8	1740.4	1730.2
7°	1604.4	1597.6	1594.0	1595.2	1602.3
8°	1456.5	1451.8	1456.9	1449.6	1444.7
9°	1292.0	1283.7	1289.4	1282.3	1275.2
10°	1119.5	1115.7	1114.3	1106.3	1116.9
11°	946.5	935.2	940.9	936.8	948.4
12°	784.6	785.6	774.5	778.0	779.4
13°	638.6	623.5	625.3	635.0	636.7
14°	495.3	497.4	498.2	505.0	509.0
15°	386.8	388.4	388.4	396.9	400.5
17.5°	207.4	207.4	211.9	212.9	213.3
20°	118.2	118.9	121.5	121.3	118.9
22.5°	70.8	72.2	73.6	72.2	70.8
25°	42.7	45.5	46.7	46.0	43.9
27.5°	25.5	28.6	31.9	29.3	25.2
30°	15.8	17.5	22.4	17.9	16.5
32.5°	8.7	11.3	15.3	11.8	9.0
35°	5.7	6.8	9.4	6.8	6.1
37.5°	4.0	4.7	5.9	5.0	4.2
40°	2.8	3.3	3.8	3.5	2.8
42.5°	1.9	2.4	2.6	2.4	1.9
45°	0.9	1.4	1.7	1.4	1.2
47.5°	0.5	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	0.2	0.5	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	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°	0.0	0.0	0.0	0.0	0.2
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



TEST NUMBER: P1314830

CATALOG NUMBER: P3SQAS02R209740DE010 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)