

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: P1305399

Luminaire Tested: P3SQAS02R209024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

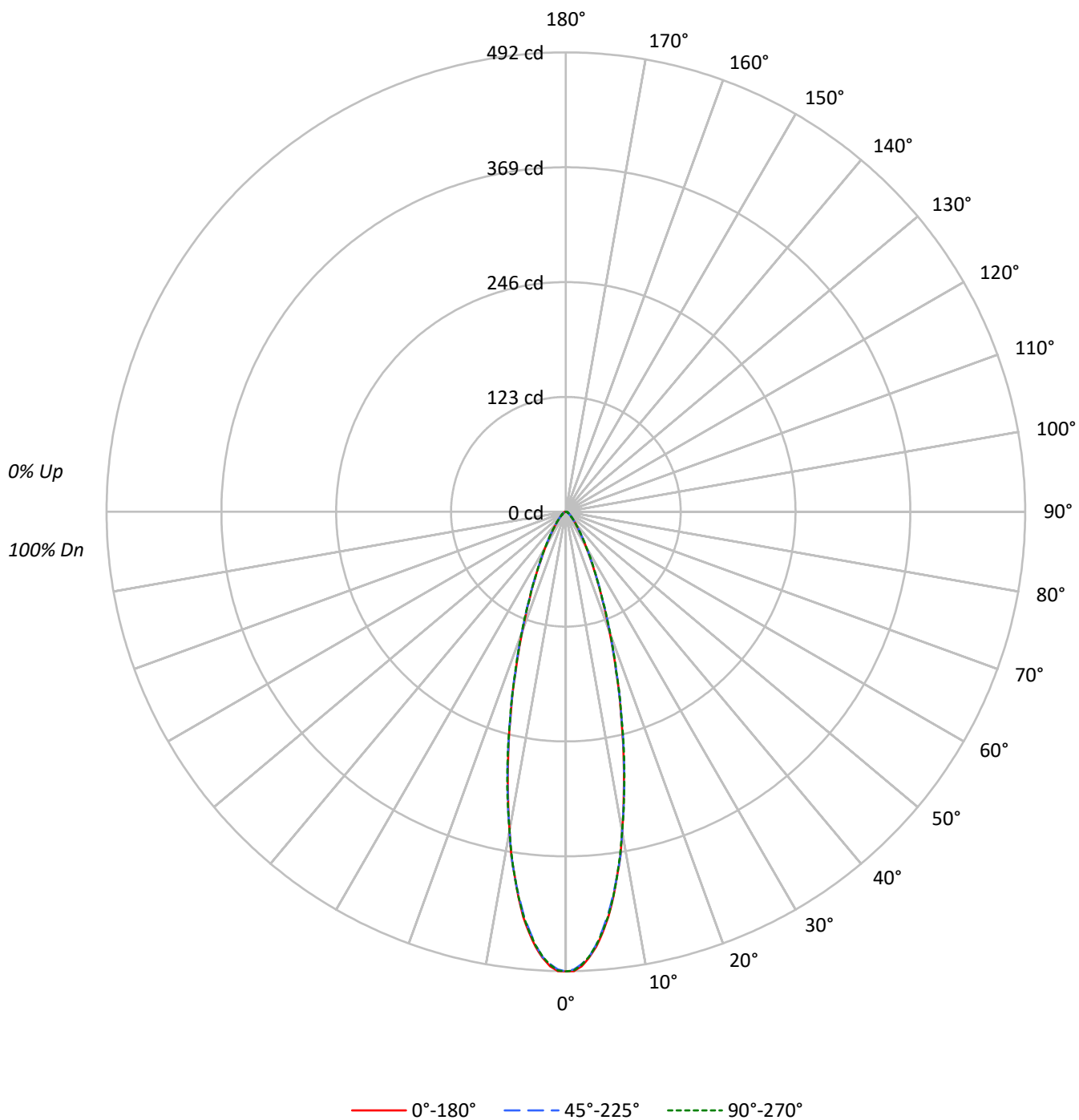
Lumens per Lamp: N/A
Luminaire Lumens: 173.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305399

CATALOG NUMBER: P3SQAS02R209024DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305399

CATALOG NUMBER: P3SQAS02R209024DE010 E3SQPHL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84785	84785	84785
5°	78211	77762	78021
10°	60701	60771	60771
15°	41026	41222	41222
20°	24907	25237	25347
25°	14613	14822	14784
30°	8531	8690	8750
35°	5214	5340	5340
40°	3395	3440	3485
45°	2363	2411	2460
50°	1742	1795	1795
55°	1351	1411	1411
60°	1171	1171	1274
65°	1060	1060	1141
70°	957	957	957
75°	865	865	865
80°	595	595	893
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2460 cd/sqm

TEST NUMBER: P1305399

CATALOG NUMBER: P3SQAS02R209024DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	22.9
10°-20°	63.6	36.7
20°-30°	36.8	21.3
30°-40°	16.5	9.5
40°-50°	7.8	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.5
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	140.1	81.0
0°-40°	156.6	90.5
0°-60°	168.7	97.5
0°-90°	173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	492	492	492	492	492	
5°	452	451	450	451	451	40
15°	230	230	231	230	231	63
25°	77	77	78	77	78	36
35°	25	25	25	26	25	16
45°	10	10	10	10	10	8
55°	4	4	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305399

CATALOG NUMBER: P3SQAS02R209024DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	492.3	492.3	492.3	492.3	492.3
1°	492.1	490.8	490.3	489.9	491.2
2°	487.1	485.6	484.7	485.2	485.4
3°	478.3	477.4	477.4	476.8	477.2
4°	466.9	465.1	465.1	465.4	465.4
5°	452.4	450.9	449.8	450.7	451.3
6°	436.3	434.3	433.5	433.7	435.2
7°	416.4	413.9	414.3	415.4	415.4
8°	394.0	393.8	394.3	393.8	394.3
9°	373.4	370.3	372.9	370.8	371.9
10°	347.1	346.9	347.5	348.2	347.5
12.5°	287.2	288.3	288.7	287.8	289.8
15°	230.1	230.1	231.2	230.1	231.2
17.5°	179.0	178.8	179.7	178.8	180.1
20°	135.9	137.5	137.7	137.7	138.3
22.5°	102.6	102.6	103.4	103.6	103.2
25°	76.9	76.9	78.0	77.3	77.8
27.5°	56.9	57.3	58.2	58.6	58.6
30°	42.9	43.1	43.7	44.0	44.0
32.5°	32.3	32.7	33.2	33.4	33.6
35°	24.8	25.0	25.4	25.6	25.4
37.5°	19.0	19.2	19.6	19.8	19.8
40°	15.1	15.1	15.3	15.5	15.5
42.5°	11.8	12.1	12.1	12.3	12.3
45°	9.7	9.7	9.9	9.9	10.1
47.5°	7.8	7.8	8.0	8.2	8.2
50°	6.5	6.5	6.7	6.7	6.7
52.5°	5.4	5.4	5.6	5.6	5.6
55°	4.5	4.5	4.7	4.7	4.7
57.5°	3.9	3.9	4.1	4.1	4.1
60°	3.4	3.4	3.4	3.4	3.7
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.8
67.5°	2.2	2.2	2.2	2.2	2.4
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)