

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: P1312923

Luminaire Tested: P3SQAS02R309730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

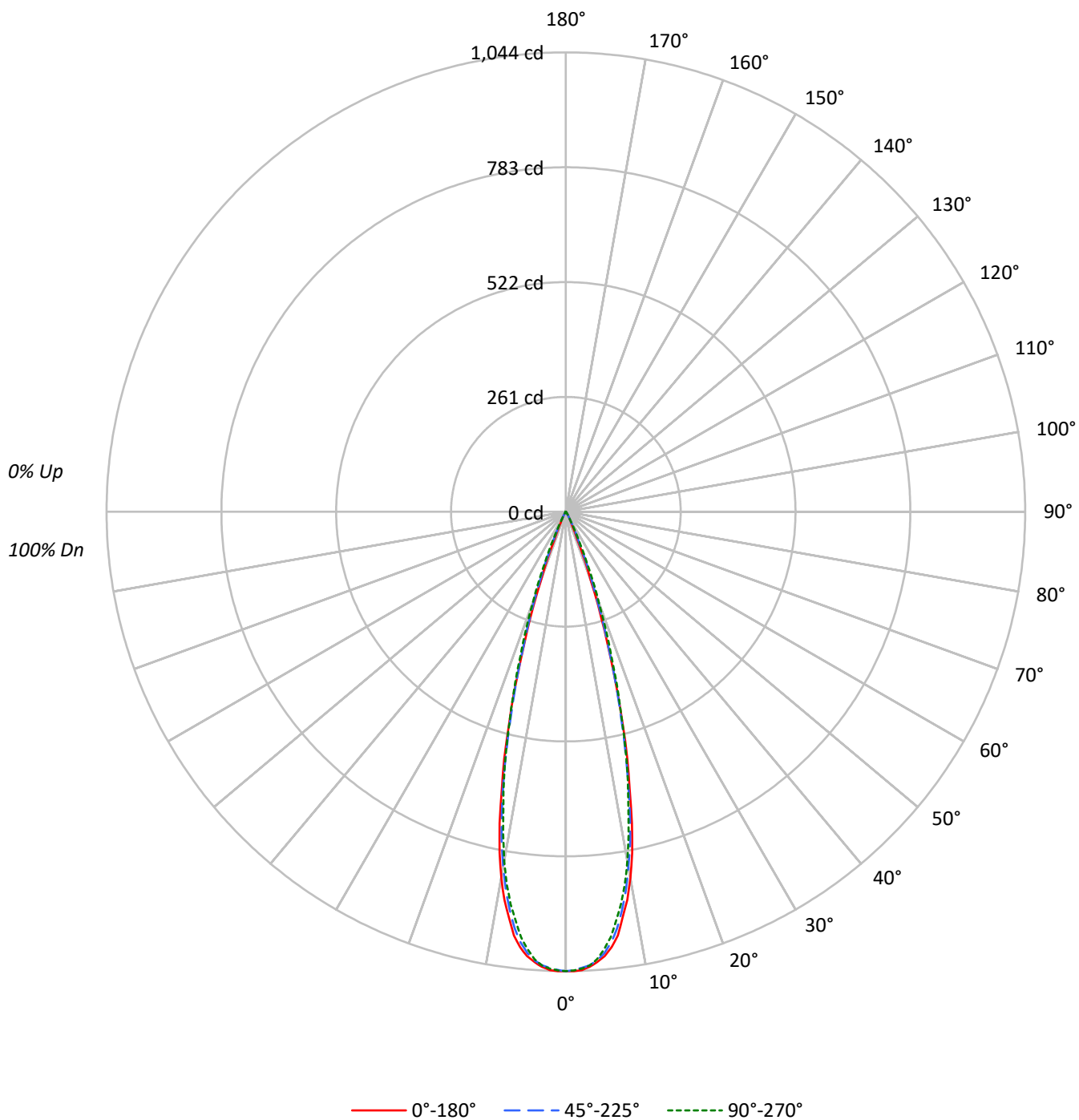
Lumens per Lamp: N/A
Luminaire Lumens: 253.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312923

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312923

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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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	179818	179818	179818
5°	175197	173987	172552
10°	147843	143314	140988
15°	89096	86617	88204
20°	30222	34896	40247
25°	5549	8703	10280
30°	1909	2128	2386
35°	547	694	736
40°	157	247	202
45°	49	49	49
50°	54	0	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: 0°
Vertical Angle: 52.5°
Luminance: 57 cd/sqm

TEST NUMBER: P1312923

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	35.7
10°-20°	132.0	52.2
20°-30°	27.9	11.0
30°-40°	2.6	1.0
40°-50°	0.2	0.1
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°	250.2	98.9
0°-40°	252.7	99.9
0°-60°	253.0	100.0
0°-90°	253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1013	1011	1006	1003	998	91
15°	500	498	486	497	495	132
25°	29	33	46	54	54	21
35°	3	3	3	4	4	2
45°	0	0	0	0	0	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: P1312923

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.1	1044.1	1044.1	1044.1	1044.1
1°	1044.4	1043.3	1041.7	1043.9	1042.4
2°	1042.2	1039.6	1037.4	1039.6	1038.9
3°	1035.6	1033.5	1031.9	1033.0	1033.0
4°	1025.8	1023.4	1022.1	1022.3	1019.1
5°	1013.4	1011.4	1006.4	1003.4	998.1
6°	995.1	990.3	984.2	979.1	972.4
7°	970.2	962.8	954.1	945.3	936.8
8°	930.3	926.8	915.0	909.1	900.6
9°	892.8	884.3	871.6	862.0	857.4
10°	845.4	832.8	819.5	811.8	806.2
11°	789.4	776.5	765.8	754.7	746.0
12°	723.5	712.6	700.4	693.0	682.7
13°	645.4	643.9	630.1	627.7	626.4
14°	578.5	572.3	558.8	562.5	563.4
15°	499.7	498.0	485.8	497.1	494.7
17.5°	313.0	313.7	321.3	339.2	344.8
20°	164.9	169.9	190.4	212.0	219.6
22.5°	66.7	77.9	98.8	113.4	123.2
25°	29.2	32.7	45.8	53.9	54.1
27.5°	16.6	16.8	22.0	22.9	23.3
30°	9.6	9.8	10.7	11.3	12.0
32.5°	5.2	5.7	5.9	6.8	6.8
35°	2.6	3.3	3.3	3.9	3.5
37.5°	1.5	1.7	2.0	2.0	1.7
40°	0.7	0.9	1.1	1.1	0.9
42.5°	0.2	0.4	0.4	0.4	0.7
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	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



TEST NUMBER: P1312923

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)