

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: P1315779

Luminaire Tested: P3SQAS02R209827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

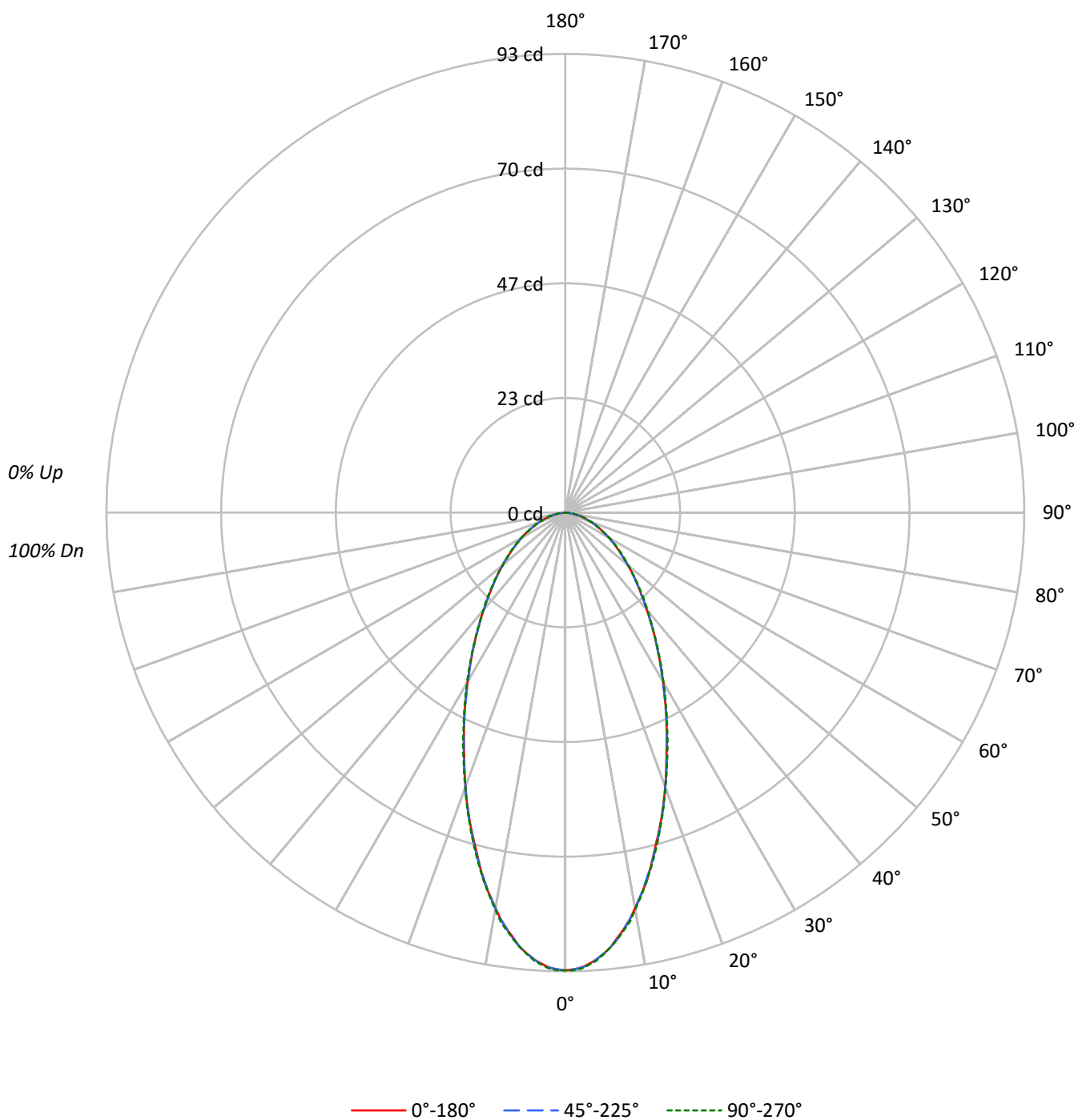
Lumens per Lamp: N/A
Luminaire Lumens: 111.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315779

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	59	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15982	15982	15982
5°	15507	15507	15525
10°	14235	14253	14288
15°	12534	12588	12623
20°	10850	10850	10868
25°	9235	9235	9292
30°	7875	7835	7915
35°	6728	6728	6749
40°	5778	5778	5823
45°	5042	5042	5090
50°	4448	4448	4448
55°	3933	3933	3993
60°	3548	3548	3548
65°	3179	3179	3179
70°	2820	2820	2820
75°	2529	2396	2529
80°	2182	2182	2182
85°	1383	1383	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5090 cd/sqm

TEST NUMBER: P1315779

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	7.5
10°-20°	19.7	17.7
20°-30°	22.4	20.2
30°-40°	20.1	18.1
40°-50°	16.1	14.5
50°-60°	11.8	10.7
60°-70°	7.7	6.9
70°-80°	4.0	3.6
80°-90°	0.9	0.8
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°	50.3	45.3
0°-40°	70.4	63.4
0°-60°	98.3	88.6
0°-90°	111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	93	93	93	93	93	
5°	90	90	90	90	90	8
15°	70	70	71	71	71	20
25°	49	49	49	49	49	22
35°	32	32	32	32	32	20
45°	21	21	21	21	21	16
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	92.8	92.8	92.8	92.8	92.8
1°	92.6	92.5	92.6	92.6	92.8
2°	92.3	92.3	92.3	92.1	92.5
3°	91.6	91.6	91.8	91.6	91.8
4°	90.8	90.8	90.8	90.6	91.0
5°	89.7	89.7	89.7	89.7	89.8
6°	88.5	88.3	88.5	88.3	88.5
7°	86.8	86.8	87.0	86.8	87.0
8°	85.2	85.0	85.3	85.2	85.5
9°	83.5	83.4	83.5	83.4	83.9
10°	81.4	81.5	81.5	81.5	81.7
12.5°	76.4	76.1	76.1	76.1	76.4
15°	70.3	70.3	70.6	70.6	70.8
17.5°	64.8	64.6	65.0	65.0	65.0
20°	59.2	59.0	59.2	59.2	59.3
22.5°	53.5	53.7	53.7	53.7	53.9
25°	48.6	48.6	48.6	48.7	48.9
27.5°	43.9	43.7	43.9	44.1	44.2
30°	39.6	39.4	39.4	39.6	39.8
32.5°	35.6	35.5	35.6	35.6	35.8
35°	32.0	32.0	32.0	32.0	32.1
37.5°	28.7	28.7	28.7	28.8	28.8
40°	25.7	25.7	25.7	25.9	25.9
42.5°	23.0	23.0	23.0	23.2	23.4
45°	20.7	20.7	20.7	20.7	20.9
47.5°	18.6	18.6	18.6	18.7	18.7
50°	16.6	16.4	16.6	16.7	16.6
52.5°	14.7	14.7	14.7	14.7	14.9
55°	13.1	13.1	13.1	13.1	13.3
57.5°	11.6	11.6	11.6	11.8	11.8
60°	10.3	10.3	10.3	10.3	10.3
62.5°	8.9	8.9	8.9	8.9	8.9
65°	7.8	7.6	7.8	7.8	7.8
67.5°	6.6	6.6	6.6	6.6	6.6
70°	5.6	5.6	5.6	5.6	5.6
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.8	3.6	3.6	3.8	3.8
77.5°	3.0	2.8	3.0	3.0	3.0
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.3	1.3	1.3	1.5	1.5
85°	0.7	0.7	0.7	0.8	0.8
87.5°	0.2	0.2	0.2	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)