

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: P1315831

Luminaire Tested: P3SQAS02R359827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

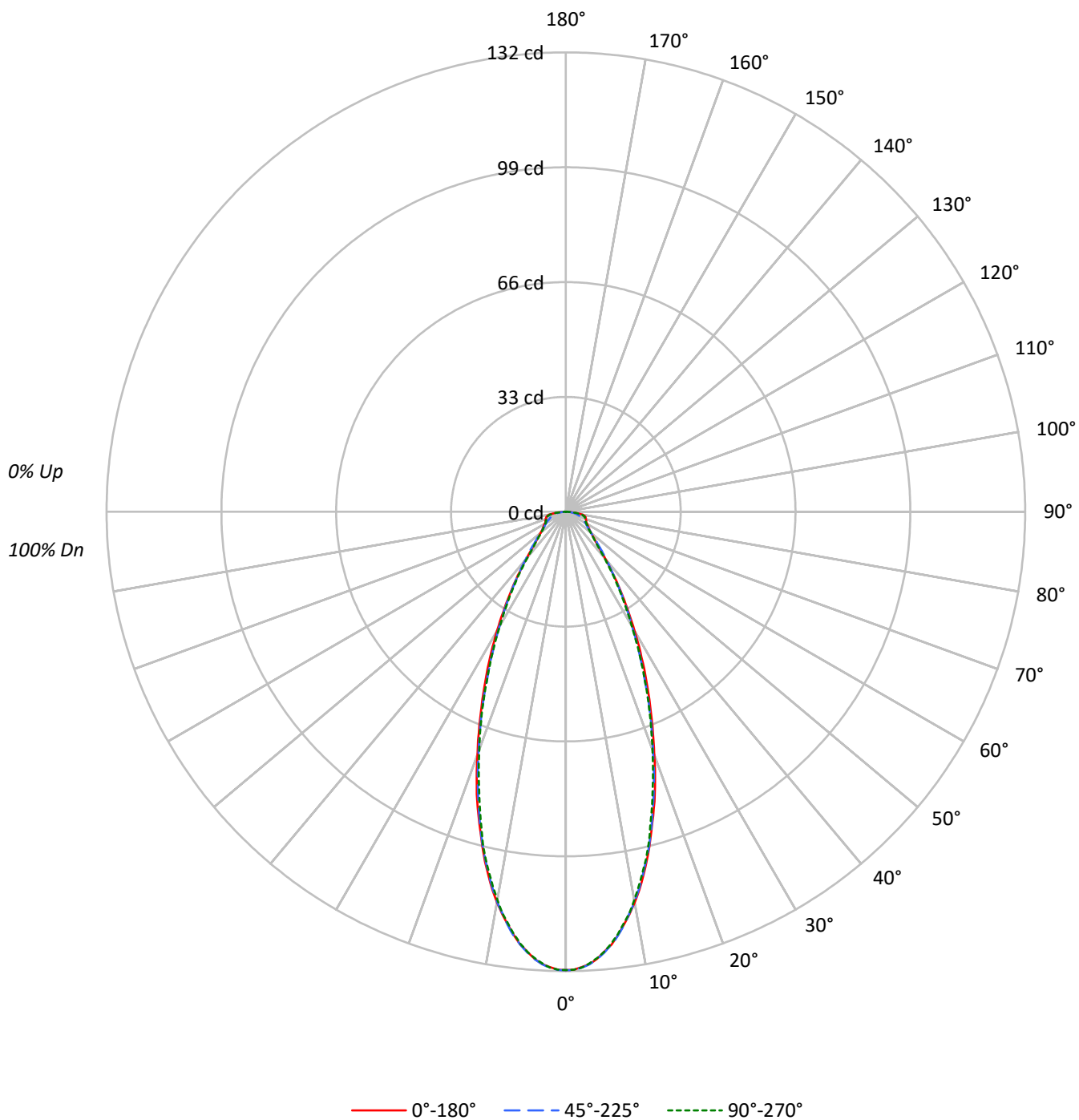
Lumens per Lamp: N/A
Luminaire Lumens: 109.0 lumens
Efficiency: N/A
Efficacy: 30.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315831

CATALOG NUMBER: P3SQAS02R359827DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315831

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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	101	109	105	102	99	101	98	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22682	22682	22682
5°	21939	21973	21939
10°	19936	19901	19814
15°	16920	16867	16707
20°	13617	13434	13324
25°	10527	10223	10223
30°	7855	7597	7517
35°	5656	5571	5445
40°	3957	4069	3799
45°	2947	3118	2874
50°	2545	2545	2492
55°	2402	2282	2342
60°	2446	2239	2342
65°	2649	2241	2567
70°	3072	2316	3021
75°	3859	2462	3726
80°	4959	2678	4463
85°	3952	2569	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4959 cd/sqm

TEST NUMBER: P1315831

CATALOG NUMBER: P3SQAS02R359827DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	10.7
10°-20°	26.1	24.0
20°-30°	24.9	22.9
30°-40°	16.7	15.4
40°-50°	9.8	9.0
50°-60°	7.0	6.5
60°-70°	5.9	5.4
70°-80°	4.8	4.4
80°-90°	2.0	1.8
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°	62.8	57.6
0°-40°	79.5	72.9
0°-60°	96.4	88.4
0°-90°	109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	127	127	127	127	127	12
15°	95	95	95	94	94	26
25°	55	55	54	54	54	25
35°	27	27	26	26	26	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	6	6	6	6	6	6
75°	6	4	4	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1315831

CATALOG NUMBER: P3SQAS02R359827DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	131.7	131.7	131.7	131.7	131.7
1°	131.6	131.7	131.7	131.6	131.6
2°	130.9	131.2	131.1	130.9	131.1
3°	130.1	130.4	130.2	130.1	129.9
4°	128.8	129.1	128.9	128.6	128.6
5°	126.9	127.3	127.1	126.9	126.9
6°	125.1	125.4	125.1	124.8	124.8
7°	122.6	123.1	122.8	122.5	122.3
8°	119.8	120.3	120.0	119.8	119.5
9°	117.0	117.3	116.8	116.8	116.8
10°	114.0	114.2	113.8	113.3	113.3
11°	110.7	110.5	110.3	110.0	109.7
12°	107.0	107.0	106.5	106.2	106.0
13°	103.2	103.0	102.7	102.4	102.4
14°	99.2	99.2	98.9	98.2	98.4
15°	94.9	95.1	94.6	93.9	93.7
17.5°	85.1	84.8	84.0	83.5	83.0
20°	74.3	74.2	73.3	72.8	72.7
22.5°	64.4	64.2	63.4	62.9	63.2
25°	55.4	54.8	53.8	53.8	53.8
27.5°	47.1	46.3	45.6	45.3	45.6
30°	39.5	38.8	38.2	38.0	37.8
32.5°	32.7	32.4	32.0	31.5	31.5
35°	26.9	26.9	26.5	26.0	25.9
37.5°	21.9	22.1	21.9	21.4	21.2
40°	17.6	17.9	18.1	17.6	16.9
42.5°	14.4	14.9	15.3	14.4	13.9
45°	12.1	12.4	12.8	12.1	11.8
47.5°	10.6	10.8	11.0	10.5	10.3
50°	9.5	9.5	9.5	9.3	9.3
52.5°	8.6	8.6	8.5	8.3	8.3
55°	8.0	7.8	7.6	7.6	7.8
57.5°	7.5	7.3	7.0	7.1	7.3
60°	7.1	6.8	6.5	6.6	6.8
62.5°	6.6	6.3	6.0	6.1	6.5
65°	6.5	5.8	5.5	5.8	6.3
67.5°	6.3	5.5	5.0	5.5	6.1
70°	6.1	5.1	4.6	5.1	6.0
72.5°	6.0	4.8	4.1	4.8	5.8
75°	5.8	4.5	3.7	4.5	5.6
77.5°	5.5	4.1	3.2	4.1	5.1
80°	5.0	3.8	2.7	3.7	4.5
82.5°	3.7	3.2	2.2	3.2	3.3
85°	2.0	2.2	1.3	2.2	2.0
87.5°	0.2	0.3	0.3	1.0	0.7



TEST NUMBER: P1315831

CATALOG NUMBER: P3SQAS02R359827DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)