

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: P1315814

Luminaire Tested: P3SQAS02R309827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

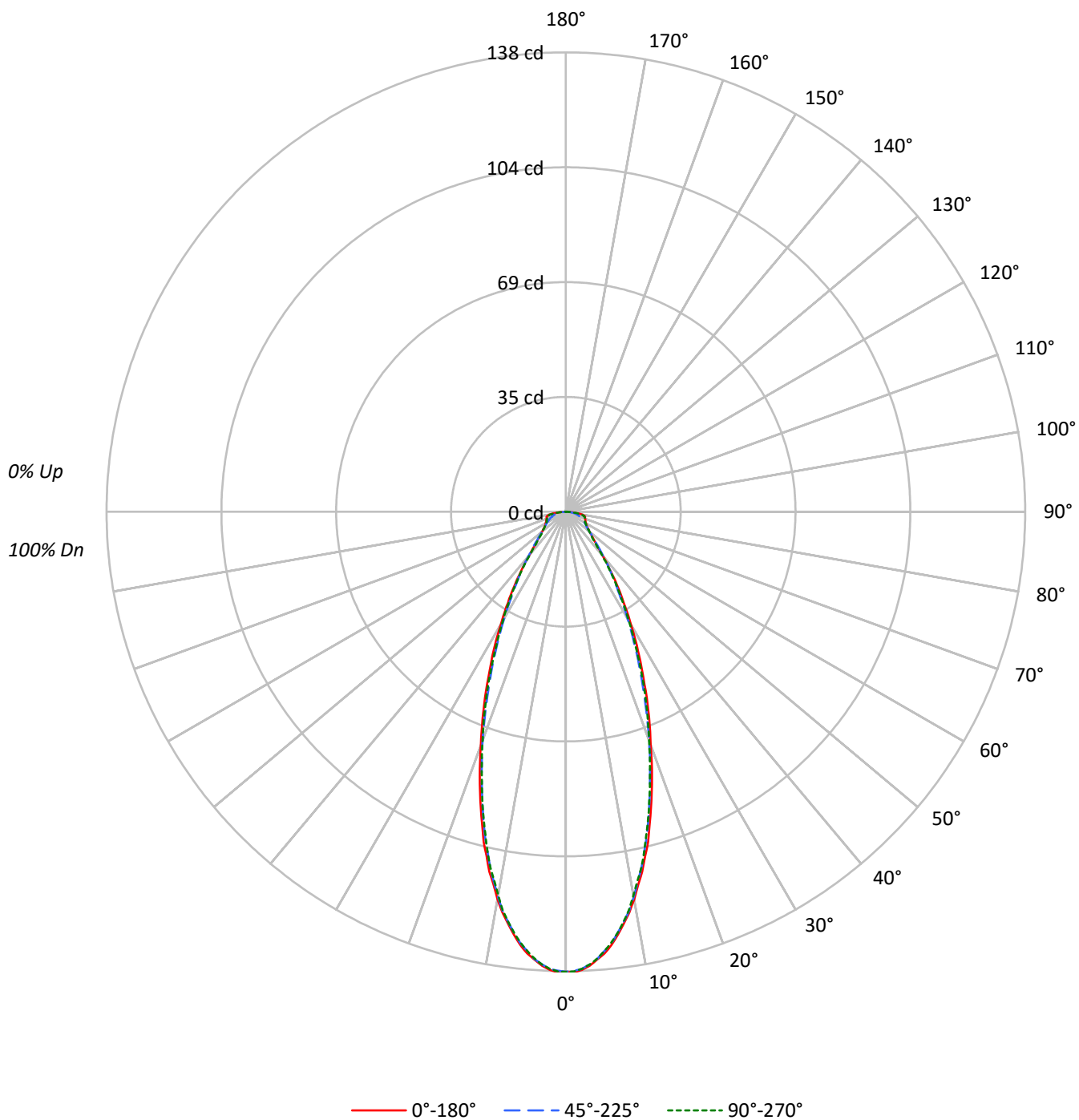
Lumens per Lamp: N/A
Luminaire Lumens: 109.0 lumens
Efficiency: N/A
Efficacy: 30.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315814

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315814

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHLP1MW

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	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23801	23801	23801
5°	23028	22907	22907
10°	20671	20548	20461
15°	17331	17063	17027
20°	13672	13397	13397
25°	10470	10052	10242
30°	7776	7378	7537
35°	5614	5361	5403
40°	3867	3934	3755
45°	2898	3020	2777
50°	2492	2465	2465
55°	2342	2252	2312
60°	2411	2239	2342
65°	2649	2241	2567
70°	3122	2266	3021
75°	3993	2462	3859
80°	4959	2678	4661
85°	3952	2569	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4959 cd/sqm

TEST NUMBER: P1315814

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	11.2
10°-20°	26.5	24.3
20°-30°	24.7	22.7
30°-40°	16.4	15.0
40°-50°	9.5	8.8
50°-60°	6.9	6.4
60°-70°	5.9	5.4
70°-80°	4.9	4.5
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°	63.4	58.2
0°-40°	79.8	73.2
0°-60°	96.3	88.3
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°	138	138	138	138	138	
5°	133	133	132	132	132	12
15°	97	96	96	96	96	27
25°	55	54	53	53	54	25
35°	27	26	26	26	26	17
45°	12	12	12	12	11	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: P1315814

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	138.2	138.2	138.2	138.2	138.2
1°	138.4	138.2	137.9	138.1	138.1
2°	137.7	137.6	137.4	137.4	137.4
3°	136.6	136.4	136.2	136.2	136.2
4°	134.9	134.7	134.7	134.6	134.6
5°	133.2	133.0	132.5	132.5	132.5
6°	130.9	130.7	130.4	130.2	130.2
7°	128.0	128.0	127.5	127.4	127.5
8°	125.0	124.9	124.5	124.4	124.4
9°	121.9	121.4	121.4	120.9	121.2
10°	118.2	117.9	117.5	117.2	117.0
11°	114.0	113.9	113.3	113.0	112.8
12°	110.5	109.7	109.3	108.8	109.2
13°	106.0	105.5	104.7	104.5	104.7
14°	102.2	101.2	100.5	100.2	100.0
15°	97.2	96.2	95.7	95.5	95.5
17.5°	86.0	85.3	84.0	84.0	84.0
20°	74.6	74.0	73.1	73.0	73.1
22.5°	64.8	63.6	62.3	62.4	63.4
25°	55.1	54.1	52.9	53.1	53.9
27.5°	46.9	45.6	44.4	44.7	45.2
30°	39.1	38.2	37.1	37.4	37.9
32.5°	32.4	31.9	30.5	30.9	31.4
35°	26.7	26.2	25.5	25.7	25.7
37.5°	21.4	21.4	21.2	21.0	20.9
40°	17.2	17.5	17.5	17.0	16.7
42.5°	14.0	14.4	14.7	14.0	13.5
45°	11.9	12.0	12.4	11.7	11.4
47.5°	10.4	10.4	10.7	10.2	10.0
50°	9.3	9.3	9.2	9.0	9.2
52.5°	8.5	8.3	8.2	8.3	8.3
55°	7.8	7.7	7.5	7.7	7.7
57.5°	7.3	7.2	7.0	7.0	7.2
60°	7.0	6.7	6.5	6.7	6.8
62.5°	6.7	6.2	6.0	6.2	6.5
65°	6.5	5.8	5.5	5.8	6.3
67.5°	6.3	5.5	5.0	5.5	6.2
70°	6.2	5.2	4.5	5.2	6.0
72.5°	6.0	4.8	4.2	4.8	6.0
75°	6.0	4.5	3.7	4.5	5.8
77.5°	5.7	4.2	3.2	4.2	5.5
80°	5.0	3.8	2.7	3.7	4.7
82.5°	3.7	3.3	2.0	3.2	3.5
85°	2.0	2.3	1.3	2.2	1.8
87.5°	0.3	0.5	0.3	1.0	0.7



TEST NUMBER: P1315814

CATALOG NUMBER: P3SQAS02R309827DE010 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)