

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: P1309778

Luminaire Tested: P3SQAS02R359040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309778
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: P3SQAS02R359040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

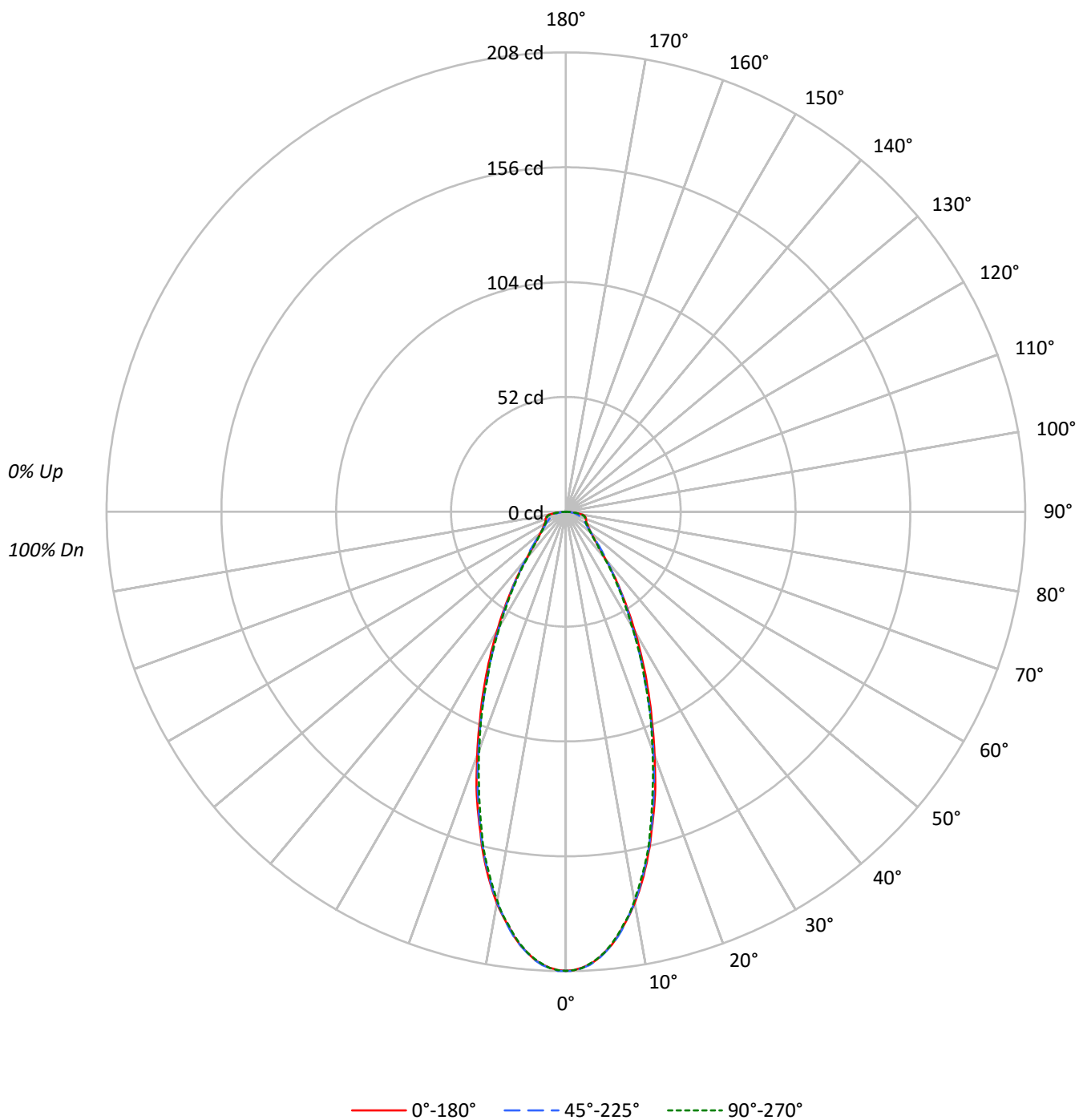
Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309778

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309778

CATALOG NUMBER: P3SQAS02R359040DE010 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	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°	35805	35805	35805
5°	34628	34680	34628
10°	31461	31408	31268
15°	26709	26602	26370
20°	21498	21205	21022
25°	16608	16114	16114
30°	12389	11972	11872
35°	8914	8809	8578
40°	6250	6407	6003
45°	4652	4920	4530
50°	3992	3992	3939
55°	3783	3603	3693
60°	3892	3513	3686
65°	4157	3505	4034
70°	4884	3676	4733
75°	6122	3859	5922
80°	7835	4166	7042
85°	6126	4150	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7835 cd/sqm

TEST NUMBER: P1309778

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	10.7
10°-20°	41.2	24.0
20°-30°	39.3	22.9
30°-40°	26.4	15.4
40°-50°	15.5	9.0
50°-60°	11.1	6.5
60°-70°	9.2	5.4
70°-80°	7.6	4.4
80°-90°	3.1	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°	99.0	57.6
0°-40°	125.4	72.9
0°-60°	152.1	88.4
0°-90°	172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	200	201	201	200	200	18
15°	150	150	149	148	148	42
25°	87	86	85	85	85	40
35°	42	42	42	41	41	27
45°	19	20	20	19	19	15
55°	13	12	12	12	12	11
65°	10	9	9	9	10	10
75°	9	7	6	7	9	10
85°	3	3	2	3	3	4
90°	0	0	0	0	0	

TEST NUMBER: P1309778

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	207.9	207.9	207.9	207.9	207.9
1°	207.6	207.9	207.9	207.6	207.6
2°	206.6	207.1	206.8	206.6	206.8
3°	205.3	205.8	205.5	205.3	205.0
4°	203.2	203.7	203.4	202.9	202.9
5°	200.3	200.8	200.6	200.3	200.3
6°	197.4	197.9	197.4	196.9	196.9
7°	193.5	194.3	193.7	193.2	193.0
8°	189.0	189.8	189.3	189.0	188.5
9°	184.6	185.1	184.3	184.3	184.3
10°	179.9	180.1	179.6	178.8	178.8
11°	174.6	174.4	174.1	173.6	173.1
12°	168.9	168.9	168.1	167.6	167.3
13°	162.9	162.6	162.1	161.5	161.5
14°	156.6	156.6	156.0	155.0	155.3
15°	149.8	150.0	149.2	148.2	147.9
17.5°	134.3	133.8	132.5	131.7	130.9
20°	117.3	117.0	115.7	114.9	114.7
22.5°	101.6	101.3	100.0	99.2	99.8
25°	87.4	86.4	84.8	84.8	84.8
27.5°	74.4	73.0	72.0	71.5	72.0
30°	62.3	61.3	60.2	60.0	59.7
32.5°	51.6	51.1	50.5	49.7	49.7
35°	42.4	42.4	41.9	41.1	40.8
37.5°	34.6	34.8	34.6	33.8	33.5
40°	27.8	28.3	28.5	27.8	26.7
42.5°	22.8	23.6	24.1	22.8	22.0
45°	19.1	19.6	20.2	19.1	18.6
47.5°	16.8	17.0	17.3	16.5	16.2
50°	14.9	14.9	14.9	14.7	14.7
52.5°	13.6	13.6	13.4	13.1	13.1
55°	12.6	12.3	12.0	12.0	12.3
57.5°	11.8	11.5	11.0	11.3	11.5
60°	11.3	10.7	10.2	10.5	10.7
62.5°	10.5	9.9	9.4	9.7	10.2
65°	10.2	9.2	8.6	9.2	9.9
67.5°	9.9	8.6	7.9	8.6	9.7
70°	9.7	8.1	7.3	8.1	9.4
72.5°	9.4	7.6	6.5	7.6	9.2
75°	9.2	7.1	5.8	7.1	8.9
77.5°	8.6	6.5	5.0	6.5	8.1
80°	7.9	6.0	4.2	5.8	7.1
82.5°	5.8	5.0	3.4	5.0	5.2
85°	3.1	3.4	2.1	3.4	3.1
87.5°	0.3	0.5	0.5	1.6	1.0



TEST NUMBER: P1309778

CATALOG NUMBER: P3SQAS02R359040DE010 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)