

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: P1309422

Luminaire Tested: P3SQAS20R259035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

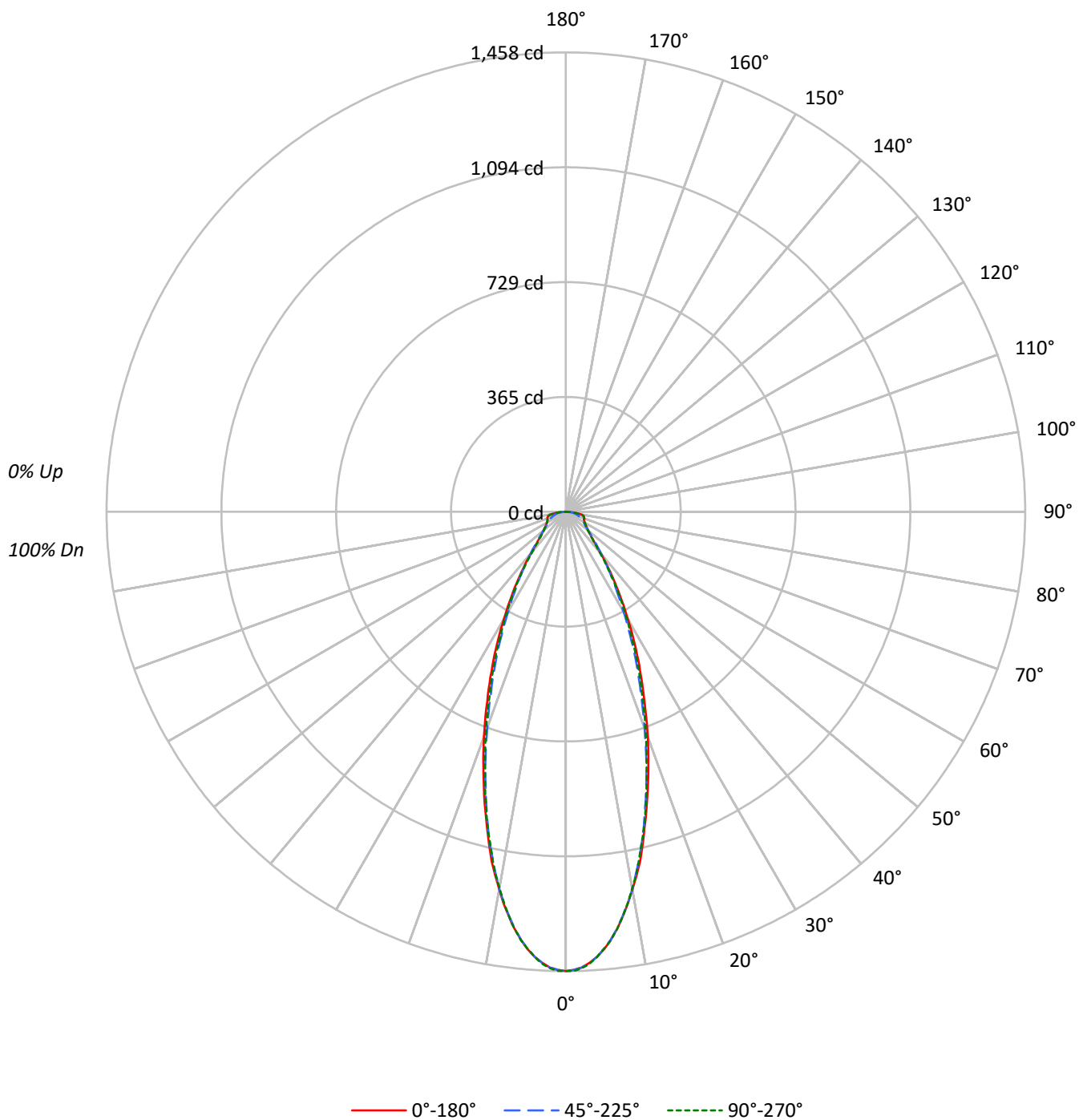
Lumens per Lamp: N/A
Luminaire Lumens: 1101.0 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1309422

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309422

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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	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	251066	251066	251066
5°	240892	240598	240598
10°	212951	212653	212041
15°	175873	173395	174322
20°	139326	133590	135825
25°	106111	100486	103146
30°	78194	72646	75768
35°	55967	53402	54138
40°	38332	39119	37163
45°	28399	30080	27961
50°	24703	24703	24248
55°	23510	22460	23510
60°	23973	22182	23973
65°	26244	22699	26244
70°	31522	22760	30666
75°	39326	24288	39326
80°	49986	25886	46614
85°	41299	24108	41299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 49986 cd/sqm

TEST NUMBER: P1309422

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	11.6
10°-20°	270.3	24.6
20°-30°	247.7	22.5
30°-40°	163.4	14.8
40°-50°	95.1	8.6
50°-60°	69.5	6.3
60°-70°	59.0	5.4
70°-80°	48.8	4.4
80°-90°	20.1	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°	645.2	58.6
0°-40°	808.6	73.4
0°-60°	973.1	88.4
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1393	1392	1392	1393	1392	127
15°	986	983	972	976	978	273
25°	558	543	529	531	543	257
35°	266	261	254	254	258	168
45°	117	120	124	117	115	94
55°	78	78	75	76	78	71
65°	64	59	56	59	64	64
75°	59	45	36	45	59	62
85°	21	23	12	23	21	23
90°	0	0	0	0	0	

TEST NUMBER: P1309422

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.8	1457.8	1457.8	1457.8	1457.8
1°	1454.3	1454.3	1454.3	1454.3	1457.8
2°	1447.4	1445.6	1447.4	1447.4	1449.1
3°	1433.5	1433.5	1433.5	1433.5	1436.9
4°	1416.1	1416.1	1416.1	1416.1	1416.1
5°	1393.4	1391.7	1391.7	1393.4	1391.7
6°	1365.6	1365.6	1365.6	1365.6	1367.3
7°	1334.3	1332.6	1332.6	1330.8	1334.3
8°	1297.8	1297.8	1296.0	1294.3	1297.8
9°	1259.5	1261.2	1257.7	1256.0	1256.0
10°	1217.7	1216.0	1216.0	1216.0	1212.5
11°	1176.0	1170.8	1169.0	1169.0	1172.5
12°	1134.2	1125.5	1122.1	1122.1	1122.1
13°	1083.8	1080.3	1075.1	1071.6	1073.3
14°	1033.3	1033.3	1024.6	1024.6	1028.1
15°	986.4	982.9	972.5	975.9	977.7
17.5°	869.8	862.9	850.7	850.7	852.4
20°	760.2	748.0	728.9	737.6	741.1
22.5°	652.4	640.2	621.0	629.7	633.2
25°	558.4	542.8	528.8	530.6	542.8
27.5°	473.2	455.8	441.9	447.1	454.0
30°	393.2	382.7	365.3	374.0	381.0
32.5°	325.3	316.6	304.4	309.7	316.6
35°	266.2	260.9	254.0	254.0	257.5
37.5°	215.7	214.0	210.5	208.8	207.0
40°	170.5	174.0	174.0	170.5	165.3
42.5°	139.2	142.6	146.1	139.2	134.0
45°	116.6	120.0	123.5	116.6	114.8
47.5°	102.6	104.4	106.1	102.6	100.9
50°	92.2	92.2	92.2	90.5	90.5
52.5°	85.2	83.5	81.8	83.5	83.5
55°	78.3	78.3	74.8	76.5	78.3
57.5°	73.1	71.3	69.6	71.3	73.1
60°	69.6	66.1	64.4	66.1	69.6
62.5°	66.1	62.6	59.1	62.6	66.1
65°	64.4	59.1	55.7	59.1	64.4
67.5°	62.6	55.7	50.4	55.7	62.6
70°	62.6	52.2	45.2	52.2	60.9
72.5°	60.9	48.7	41.8	48.7	60.9
75°	59.1	45.2	36.5	45.2	59.1
77.5°	57.4	41.8	31.3	41.8	55.7
80°	50.4	38.3	26.1	38.3	47.0
82.5°	36.5	31.3	20.9	31.3	34.8
85°	20.9	22.6	12.2	22.6	20.9
87.5°	3.5	5.2	3.5	8.7	7.0



TEST NUMBER: P1309422

CATALOG NUMBER: P3SQAS20R259035D010 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)