

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: P1310552

Luminaire Tested: P3SQAS20R309040D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309040D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

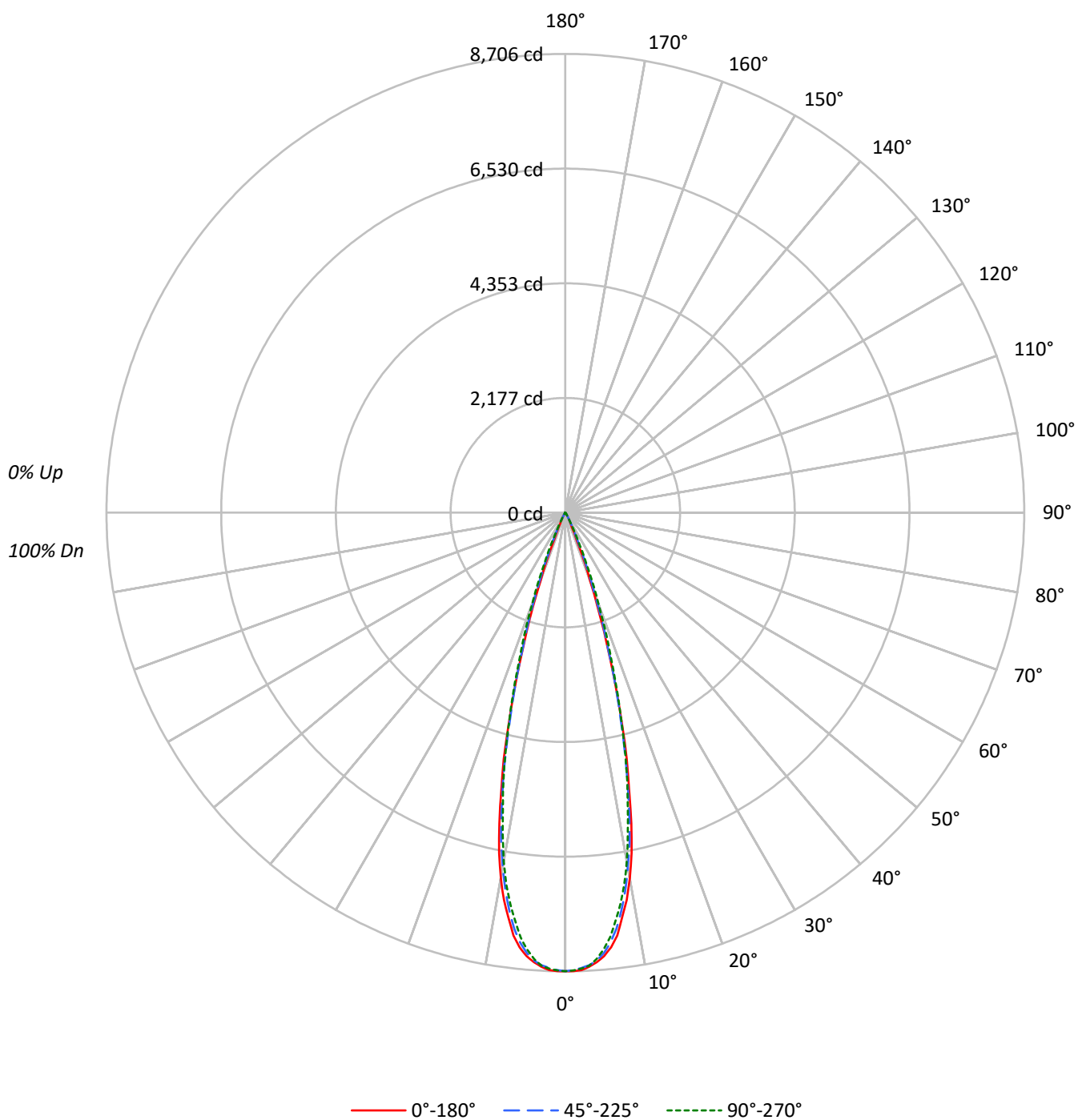
Lumens per Lamp: N/A
Luminaire Lumens: 2109.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310552

CATALOG NUMBER: P3SQAS20R309040D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310552

CATALOG NUMBER: P3SQAS20R309040D010 E3SQPH1MW

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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1499009	1499009	1499009
5°	1460425	1450364	1438418
10°	1232463	1194619	1175225
15°	742718	721964	735265
20°	251931	290913	335577
25°	46290	72552	85683
30°	15909	17719	19887
35°	4583	5740	6118
40°	1237	2046	1641
45°	438	438	438
50°	482	0	482
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 509 cd/sqm

TEST NUMBER: P1310552

CATALOG NUMBER: P3SQAS20R309040D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.6	35.7
10°-20°	1100.0	52.2
20°-30°	232.7	11.0
30°-40°	21.4	1.0
40°-50°	2.1	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2085.3	98.9
0°-40°	2106.8	99.9
0°-60°	2109.0	100.0
0°-90°	2109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8704	8704	8704	8704	8704	
5°	8448	8431	8389	8364	8320	763
15°	4166	4151	4049	4144	4124	1099
25°	244	273	382	449	451	178
35°	22	27	27	33	29	18
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310552

CATALOG NUMBER: P3SQAS20R309040D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8703.9	8703.9	8703.9	8703.9	8703.9
1°	8705.7	8696.7	8683.9	8702.1	8689.4
2°	8687.6	8665.7	8647.6	8665.7	8660.3
3°	8633.0	8614.8	8602.1	8611.2	8611.2
4°	8551.2	8531.2	8520.3	8522.1	8494.8
5°	8447.6	8431.2	8389.4	8363.9	8320.3
6°	8294.8	8254.8	8203.9	8162.1	8105.7
7°	8087.5	8025.7	7953.0	7880.3	7809.4
8°	7754.8	7725.7	7627.5	7578.4	7507.5
9°	7442.1	7371.2	7265.7	7185.7	7147.5
10°	7047.5	6942.1	6831.1	6767.5	6720.2
11°	6580.2	6472.9	6383.9	6291.1	6218.4
12°	6031.1	5940.2	5838.4	5776.6	5691.1
13°	5380.2	5367.5	5252.9	5232.9	5222.0
14°	4822.0	4771.1	4658.3	4689.2	4696.5
15°	4165.6	4151.0	4049.2	4143.8	4123.8
17.5°	2609.2	2614.6	2678.3	2827.4	2874.6
20°	1374.6	1416.4	1587.3	1767.3	1831.0
22.5°	556.4	649.1	823.7	945.5	1027.3
25°	243.6	272.7	381.8	449.1	450.9
27.5°	138.2	140.0	183.6	190.9	194.6
30°	80.0	81.8	89.1	94.5	100.0
32.5°	43.6	47.3	49.1	56.4	56.4
35°	21.8	27.3	27.3	32.7	29.1
37.5°	12.7	14.5	16.4	16.4	14.5
40°	5.5	7.3	9.1	9.1	7.3
42.5°	1.8	3.6	3.6	3.6	5.5
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310552

CATALOG NUMBER: P3SQAS20R309040D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)