

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: P1310531

Luminaire Tested: P3SQAS20R259040D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259040D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

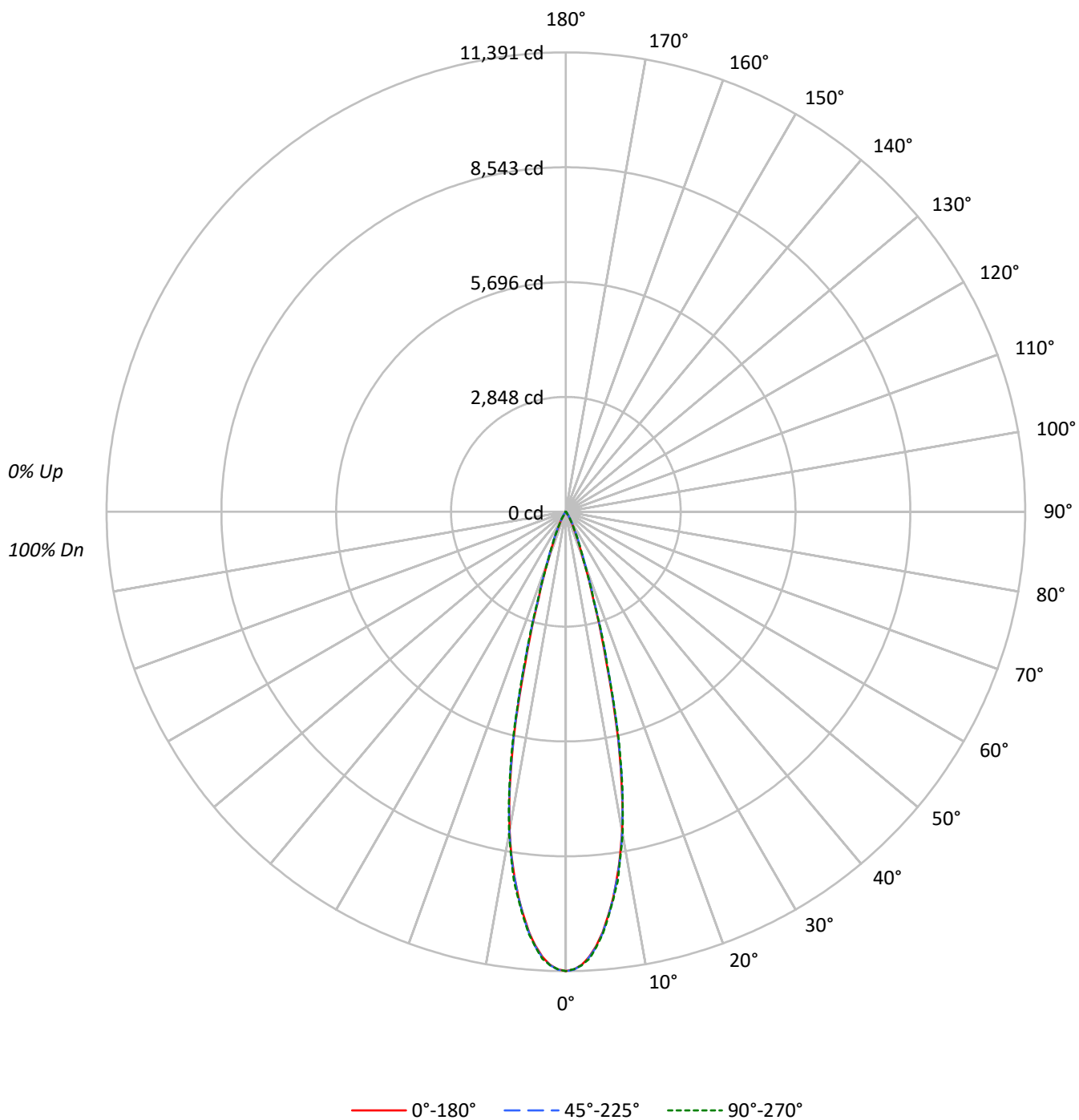
Lumens per Lamp: N/A
Luminaire Lumens: 2371.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310531

CATALOG NUMBER: P3SQAS20R259040D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310531

CATALOG NUMBER: P3SQAS20R259040D010 E3SQCD1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1961736	1961736	1961736
5°	1808849	1812929	1816697
10°	1404439	1409546	1417171
15°	694061	723248	723569
20°	233695	249365	238368
25°	96781	107498	99555
30°	37983	47748	38341
35°	9945	19511	10323
40°	3687	7779	3687
45°	438	2216	438
50°	0	482	0
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: 45°

Vertical Angle: 45°

Luminance: 2216 cd/sqm

TEST NUMBER: P1310531

CATALOG NUMBER: P3SQAS20R259040D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.0	38.9
10°-20°	1116.4	47.1
20°-30°	272.6	11.5
30°-40°	53.0	2.2
40°-50°	6.0	0.3
50°-60°	0.0	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°	2312.0	97.5
0°-40°	2364.9	99.7
0°-60°	2371.0	100.0
0°-90°	2371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11391	11391	11391	11391	11391	
5°	10463	10478	10487	10532	10508	920
15°	3893	3986	4056	4096	4058	1096
25°	509	537	566	542	524	259
35°	47	67	93	67	49	42
45°	2	6	9	6	2	3
55°	0	0	0	0	0	0
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: P1310531

CATALOG NUMBER: P3SQAS20R259040D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11390.7	11390.7	11390.7	11390.7	11390.7
1°	11347.0	11354.3	11356.1	11367.0	11345.2
2°	11243.3	11245.1	11250.6	11272.4	11252.4
3°	11052.3	11065.1	11066.9	11096.0	11101.4
4°	10792.2	10799.5	10814.0	10863.2	10819.5
5°	10463.0	10477.5	10486.6	10532.1	10508.4
6°	10055.5	10059.2	10079.2	10131.9	10099.2
7°	9640.8	9639.0	9640.8	9682.6	9673.5
8°	9140.5	9131.5	9160.6	9211.5	9246.1
9°	8618.5	8631.2	8649.4	8698.5	8658.5
10°	8030.9	8065.5	8060.1	8063.7	8103.7
11°	7354.3	7365.2	7367.0	7405.2	7399.8
12°	6559.4	6559.4	6619.4	6681.2	6661.2
13°	5757.2	5813.6	5773.6	5786.3	5866.3
14°	4822.2	4865.9	4920.4	4971.4	4931.3
15°	3892.7	3985.5	4056.4	4096.4	4058.2
17.5°	2230.1	2261.0	2321.1	2328.3	2304.7
20°	1275.1	1313.3	1360.6	1346.1	1300.6
22.5°	802.2	813.1	860.4	836.7	825.8
25°	509.3	536.6	565.7	542.1	523.9
27.5°	316.5	334.7	365.6	340.2	320.1
30°	191.0	207.4	240.1	205.5	192.8
32.5°	100.0	123.7	151.0	125.5	100.0
35°	47.3	67.3	92.8	67.3	49.1
37.5°	29.1	36.4	56.4	36.4	29.1
40°	16.4	23.6	34.6	23.6	16.4
42.5°	7.3	12.7	16.4	12.7	9.1
45°	1.8	5.5	9.1	5.5	1.8
47.5°	0.0	0.0	5.5	1.8	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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: P1310531

CATALOG NUMBER: P3SQAS20R259040D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)