

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: P1310518

Luminaire Tested: P3SQAS20R209040D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209040D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

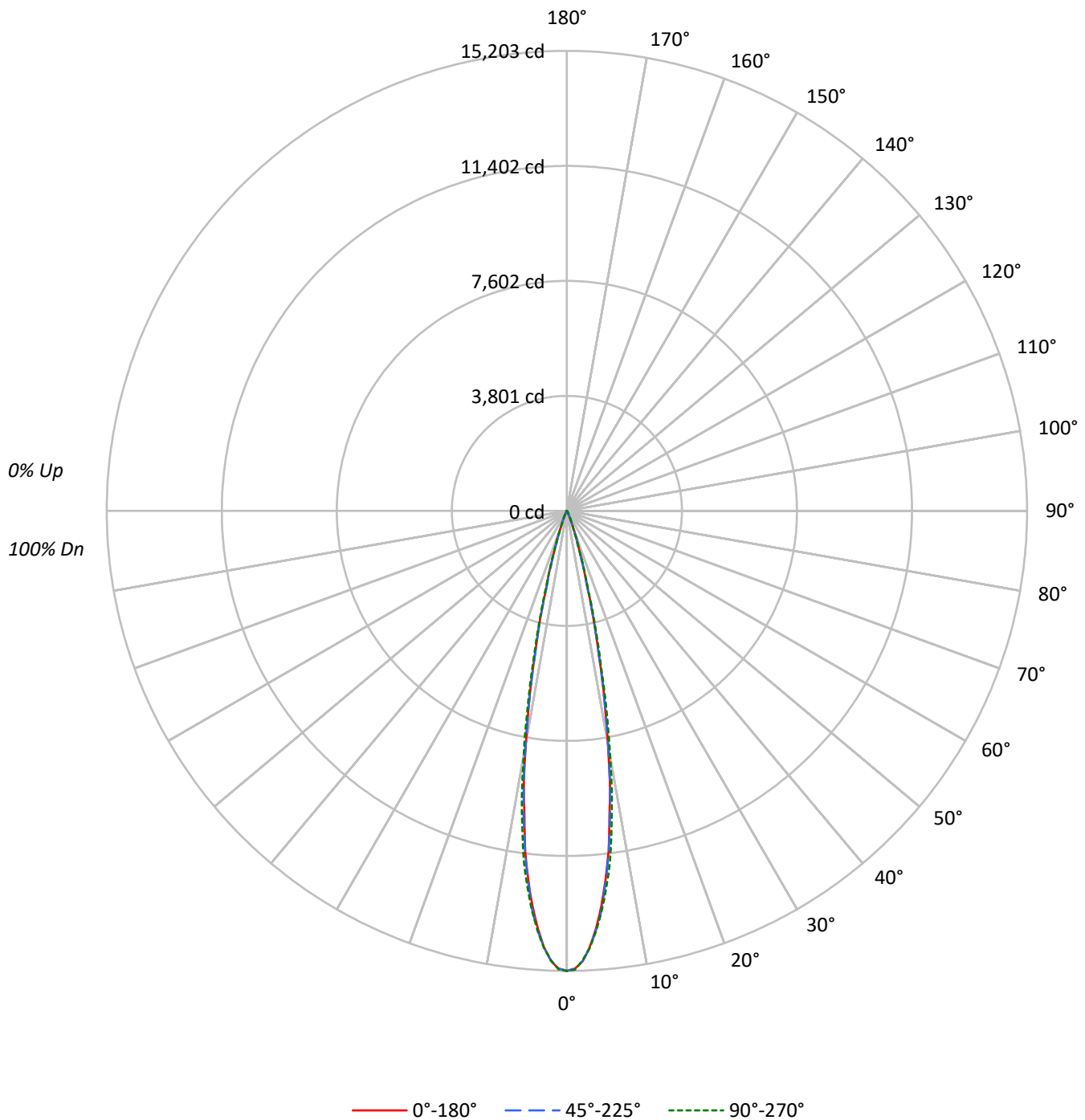
Lumens per Lamp: N/A
Luminaire Lumens: 2042.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310518

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310518

CATALOG NUMBER: P3SQAS20R209040D010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2618352	2618352	2618352
5°	2261951	2283025	2291514
10°	1361664	1374395	1442790
15°	470974	459955	496596
20°	123693	116362	116692
25°	26965	32495	36998
30°	11574	11574	11932
35°	6497	5740	6118
40°	2855	3282	3687
45°	877	1340	1340
50°	482	482	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: 22.5°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

TEST NUMBER: P1310518

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1087.4	53.3
10°-20°	827.9	40.5
20°-30°	102.4	5.0
30°-40°	19.4	0.9
40°-50°	4.7	0.2
50°-60°	0.3	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°	2017.7	98.8
0°-40°	2037.0	99.8
0°-60°	2042.0	100.0
0°-90°	2042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15203	15203	15203	15203	15203	
5°	13084	13075	13206	13197	13255	1079
15°	2642	2547	2580	2734	2785	827
25°	142	162	171	178	195	98
35°	31	31	27	29	29	20
45°	4	6	6	6	6	4
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: P1310518

CATALOG NUMBER: P3SQAS20R209040D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15203.3	15203.3	15203.3	15203.3	15203.3
1°	15132.3	15114.1	15128.7	15097.8	15161.4
2°	14890.4	14872.2	14872.2	14854.0	14863.1
3°	14439.2	14468.3	14450.1	14411.9	14461.0
4°	13824.3	13857.1	13886.2	13888.0	13895.3
5°	13083.9	13074.8	13205.8	13196.7	13254.9
6°	12239.8	12228.9	12285.2	12379.8	12496.3
7°	11312.0	11179.2	11330.2	11521.2	11677.6
8°	10111.3	10145.8	10249.5	10475.1	10600.6
9°	9092.5	8890.6	9110.7	9379.9	9516.4
10°	7786.3	7622.6	7859.1	8142.9	8250.2
12.5°	4901.0	4759.1	4835.5	5133.9	5181.2
15°	2641.5	2546.9	2579.7	2734.3	2785.2
17.5°	1348.0	1262.5	1244.4	1342.6	1353.5
20°	674.9	654.9	634.9	644.0	636.7
22.5°	312.9	340.2	336.6	318.4	340.2
25°	141.9	161.9	171.0	178.3	194.7
27.5°	87.3	83.7	96.4	103.7	105.5
30°	58.2	56.4	58.2	60.0	60.0
32.5°	41.8	40.0	38.2	38.2	40.0
35°	30.9	30.9	27.3	29.1	29.1
37.5°	21.8	21.8	20.0	21.8	21.8
40°	12.7	14.6	14.6	14.6	16.4
42.5°	7.3	9.1	9.1	9.1	9.1
45°	3.6	5.5	5.5	5.5	5.5
47.5°	1.8	1.8	1.8	3.6	3.6
50°	1.8	1.8	1.8	1.8	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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)