

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: P1310535

Luminaire Tested: P3SQAS20R259040D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259040D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

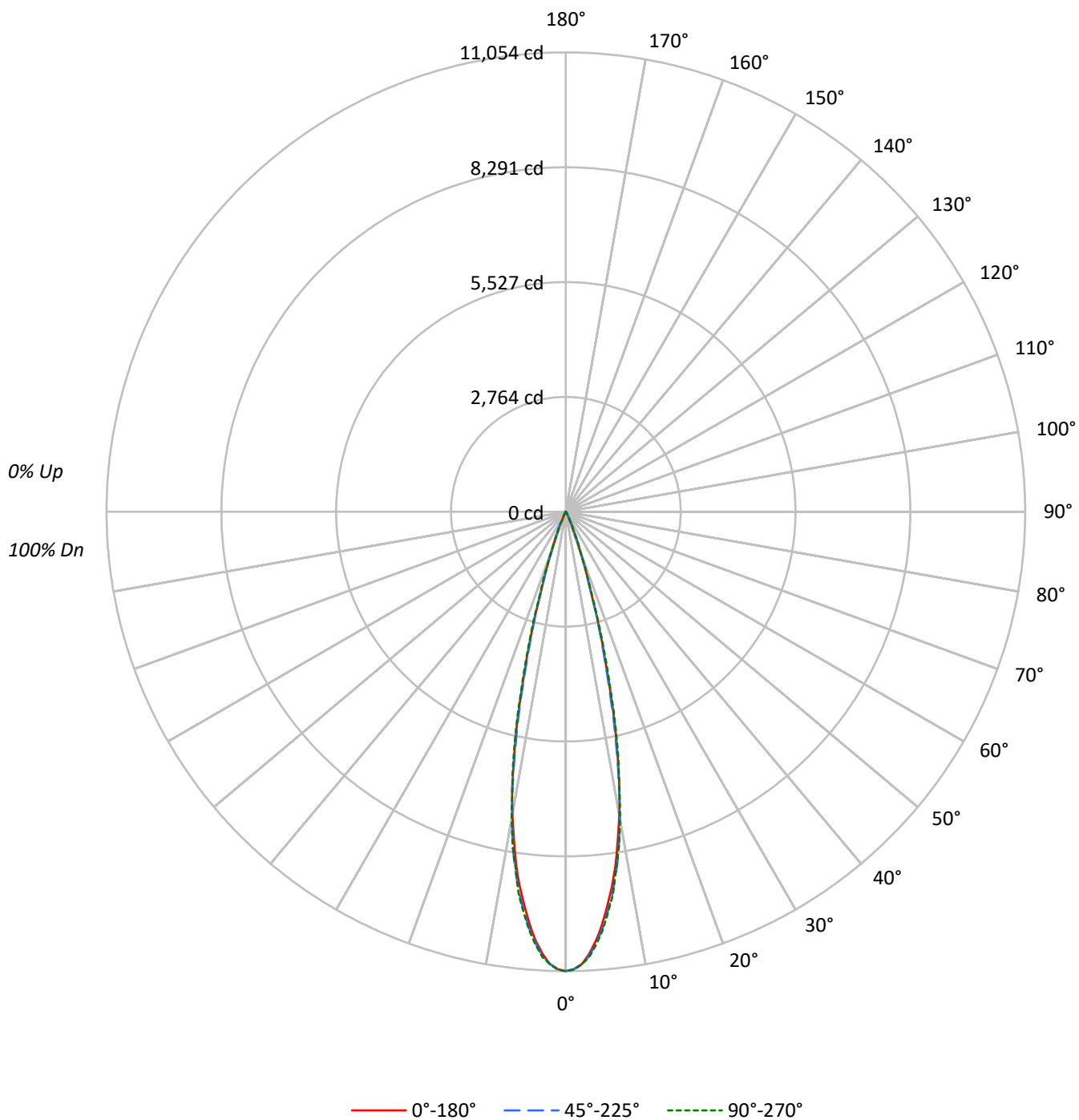
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310535

CATALOG NUMBER: P3SQAS20R259040D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310535

CATALOG NUMBER: P3SQAS20R259040D010 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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1903715	1903715	1903715
5°	1725140	1740855	1749343
10°	1296889	1306105	1312156
15°	642140	623009	664517
20°	181351	184357	186355
25°	31449	59459	37321
30°	12290	12668	13026
35°	3826	4205	4205
40°	1237	1641	1237
45°	877	438	877
50°	482	0	482
55°	540	0	540
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: 45°

Luminance: 877 cd/sqm

TEST NUMBER: P1310535

CATALOG NUMBER: P3SQAS20R259040D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	878.1	43.0
10°-20°	990.3	48.5
20°-30°	153.6	7.5
30°-40°	15.6	0.8
40°-50°	2.1	0.1
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°	2022.0	99.1
0°-40°	2037.5	99.9
0°-60°	2040.0	100.0
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11054	11054	11054	11054	11054	
5°	9979	9997	10070	10110	10119	870
15°	3602	3576	3494	3651	3727	986
25°	166	246	313	238	196	139
35°	18	20	20	22	20	15
45°	4	2	2	2	4	2
55°	2	0	0	0	2	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: P1310535

CATALOG NUMBER: P3SQAS20R259040D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11053.8	11053.8	11053.8	11053.8	11053.8
1°	11008.3	11022.9	11006.5	11024.7	11022.9
2°	10893.7	10908.3	10888.3	10899.2	10899.2
3°	10659.1	10690.0	10708.2	10720.9	10731.8
4°	10349.8	10384.4	10411.7	10444.4	10444.4
5°	9978.8	9997.0	10069.7	10109.7	10118.8
6°	9536.8	9609.5	9664.1	9744.1	9695.0
7°	9094.8	9154.8	9231.2	9243.9	9278.5
8°	8592.7	8656.4	8727.3	8714.6	8685.5
9°	7981.6	8074.3	8158.0	8130.7	8167.1
10°	7415.9	7472.3	7468.6	7441.3	7503.2
11°	6759.2	6772.0	6701.0	6812.0	6744.7
12°	5980.7	5991.6	5900.7	6009.8	6078.9
13°	5234.9	5209.5	5084.0	5227.7	5315.0
14°	4376.4	4385.5	4225.4	4503.7	4481.9
15°	3601.5	3576.1	3494.2	3650.6	3727.0
17.5°	1919.0	1935.4	1915.4	1993.6	2042.7
20°	989.5	1016.8	1005.9	1038.6	1016.8
22.5°	512.9	551.1	562.1	536.6	467.5
25°	165.5	245.6	312.9	238.3	196.4
27.5°	100.0	98.2	152.8	105.5	107.3
30°	61.8	60.0	63.7	63.7	65.5
32.5°	34.6	36.4	34.6	38.2	36.4
35°	18.2	20.0	20.0	21.8	20.0
37.5°	10.9	12.7	12.7	12.7	10.9
40°	5.5	7.3	7.3	5.5	5.5
42.5°	3.6	3.6	3.6	3.6	3.6
45°	3.6	1.8	1.8	1.8	3.6
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	1.8	0.0	1.8	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
55°	1.8	0.0	0.0	0.0	1.8
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: P1310535

CATALOG NUMBER: P3SQAS20R259040D010 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)