

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: P1315458

Luminaire Tested: P3SQAS17R159740DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159740DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

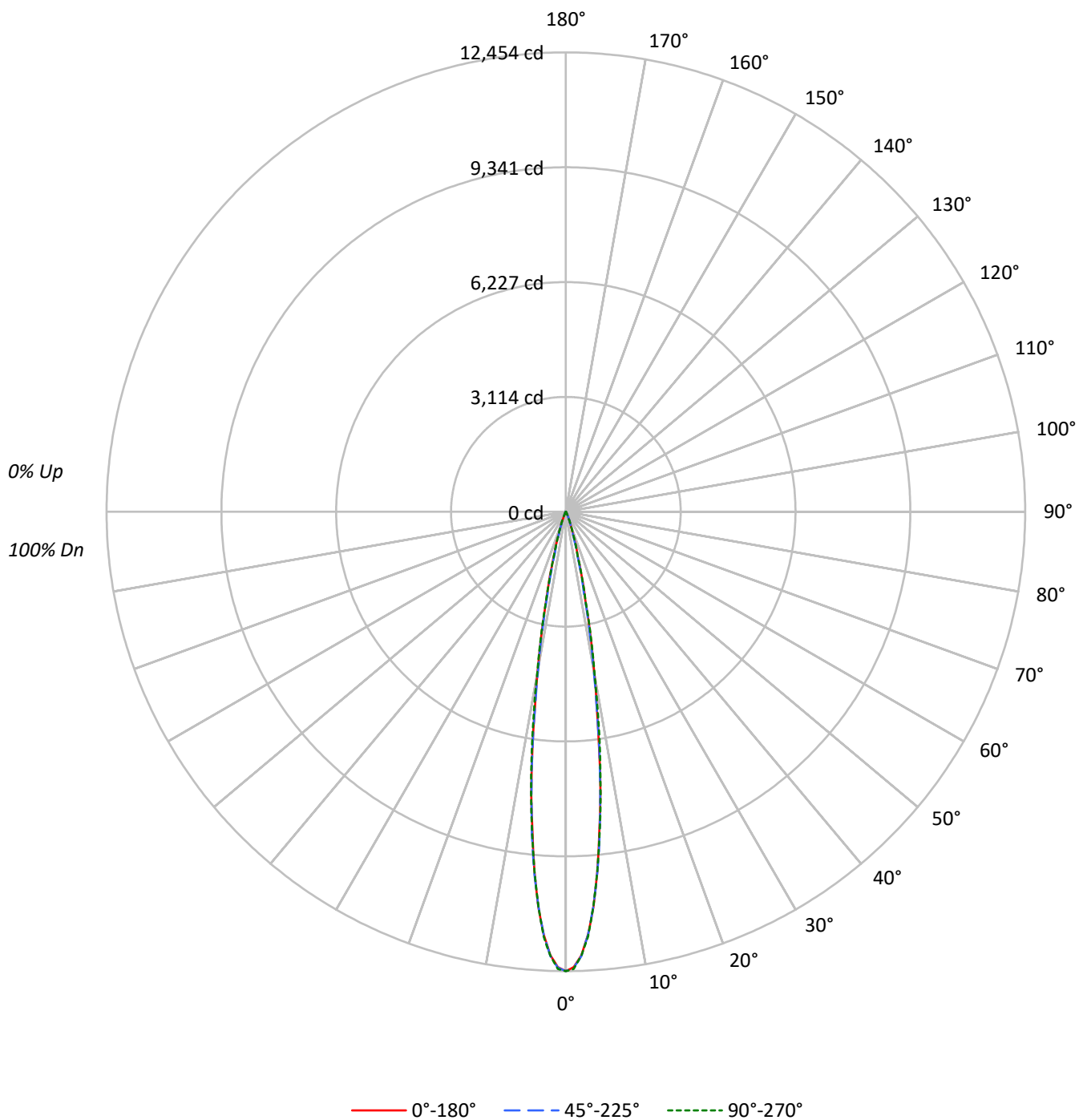
Lumens per Lamp: N/A
Luminaire Lumens: 1247.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1315458

CATALOG NUMBER: P3SQAS17R159740DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315458

CATALOG NUMBER: P3SQAS17R159740DE010 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	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2144809	2144809	2144809
5°	1691843	1696355	1690322
10°	774016	753730	790385
15°	230147	205453	225476
20°	68343	66291	71771
25°	19440	25122	22518
30°	6940	7438	6702
35°	2628	2355	2355
40°	1124	562	832
45°	609	292	609
50°	322	0	322
55°	360	0	360
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: 47.5°

Luminance: 637 cd/sqm

TEST NUMBER: P1315458

CATALOG NUMBER: P3SQAS17R159740DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.5	60.3
10°-20°	417.7	33.5
20°-30°	66.5	5.3
30°-40°	8.7	0.7
40°-50°	1.3	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°	1236.7	99.2
0°-40°	1245.4	99.9
0°-60°	1247.0	100.0
0°-90°	1247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12454	12454	12454	12454	12454	
5°	9786	9868	9812	9771	9777	751
15°	1291	1274	1152	1224	1265	426
25°	102	115	132	132	118	62
35°	12	12	11	12	11	9
45°	2	2	1	1	2	2
55°	1	0	0	0	1	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	0

TEST NUMBER: P1315458

CATALOG NUMBER: P3SQAS17R159740DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7	12453.7
1°	12346.5	12360.2	12377.7	12361.5	12346.5	12360.2	12341.5	12344.0	12329.0	12361.5	12397.6
2°	12032.2	12049.7	12039.7	12017.2	12052.2	12054.7	12016.0	11997.3	11994.8	12027.2	12039.7
3°	11476.0	11515.9	11517.2	11509.7	11498.4	11476.0	11436.1	11462.3	11426.1	11403.7	11530.9
4°	10736.5	10771.4	10812.5	10785.1	10702.8	10710.3	10736.5	10647.9	10652.9	10704.0	10707.8
5°	9786.2	9892.2	9897.1	9858.5	9793.6	9812.3	9793.6	9768.7	9777.4	9809.8	9777.4
6°	8667.5	8787.2	8698.7	8783.5	8764.8	8788.5	8794.7	8768.5	8787.2	8767.3	8761.0
7°	7701.0	7609.9	7622.4	7587.5	7624.9	7649.8	7664.8	7619.9	7656.1	7713.4	7729.6
8°	6502.5	6476.3	6450.1	6512.5	6495.0	6524.9	6543.6	6593.5	6591.0	6608.5	6665.9
9°	5361.4	5400.0	5423.7	5368.9	5416.2	5324.0	5356.4	5489.8	5454.9	5489.8	5592.1
10°	4426.0	4457.2	4422.3	4421.0	4371.2	4310.0	4306.3	4356.2	4460.9	4543.3	4519.6
12.5°	2441.9	2469.3	2473.0	2470.5	2380.8	2279.7	2298.4	2338.3	2403.2	2430.6	2475.5
15°	1290.8	1289.5	1303.2	1264.6	1217.2	1152.3	1157.3	1212.2	1260.8	1273.3	1264.6
17.5°	662.2	664.7	674.7	664.7	614.8	621.1	634.8	641.0	669.7	680.9	674.7
20°	372.9	374.1	372.9	376.6	356.7	361.7	379.1	380.4	386.6	392.8	391.6
22.5°	213.3	214.5	222.0	219.5	214.5	220.7	224.5	230.7	233.2	230.7	238.2
25°	102.3	103.5	103.5	118.5	126.0	132.2	134.7	132.2	129.7	119.7	118.5
27.5°	58.6	58.6	61.1	62.4	64.9	76.1	74.8	62.4	52.4	52.4	53.6
30°	34.9	33.7	33.7	34.9	36.2	37.4	34.9	33.7	33.7	34.9	33.7
32.5°	21.2	21.2	21.2	20.0	20.0	18.7	18.7	21.2	21.2	21.2	21.2
35°	12.5	12.5	12.5	12.5	11.2	11.2	11.2	12.5	12.5	11.2	11.2
37.5°	7.5	7.5	7.5	6.2	6.2	5.0	6.2	6.2	6.2	6.2	6.2
40°	5.0	5.0	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7
42.5°	3.7	3.7	2.5	2.5	1.2	1.2	1.2	2.5	2.5	2.5	2.5
45°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
47.5°	2.5	2.5	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
50°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
52.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)