

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: P1312697

Luminaire Tested: P3SQAS20R159727D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312697
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: P3SQAS20R159727D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

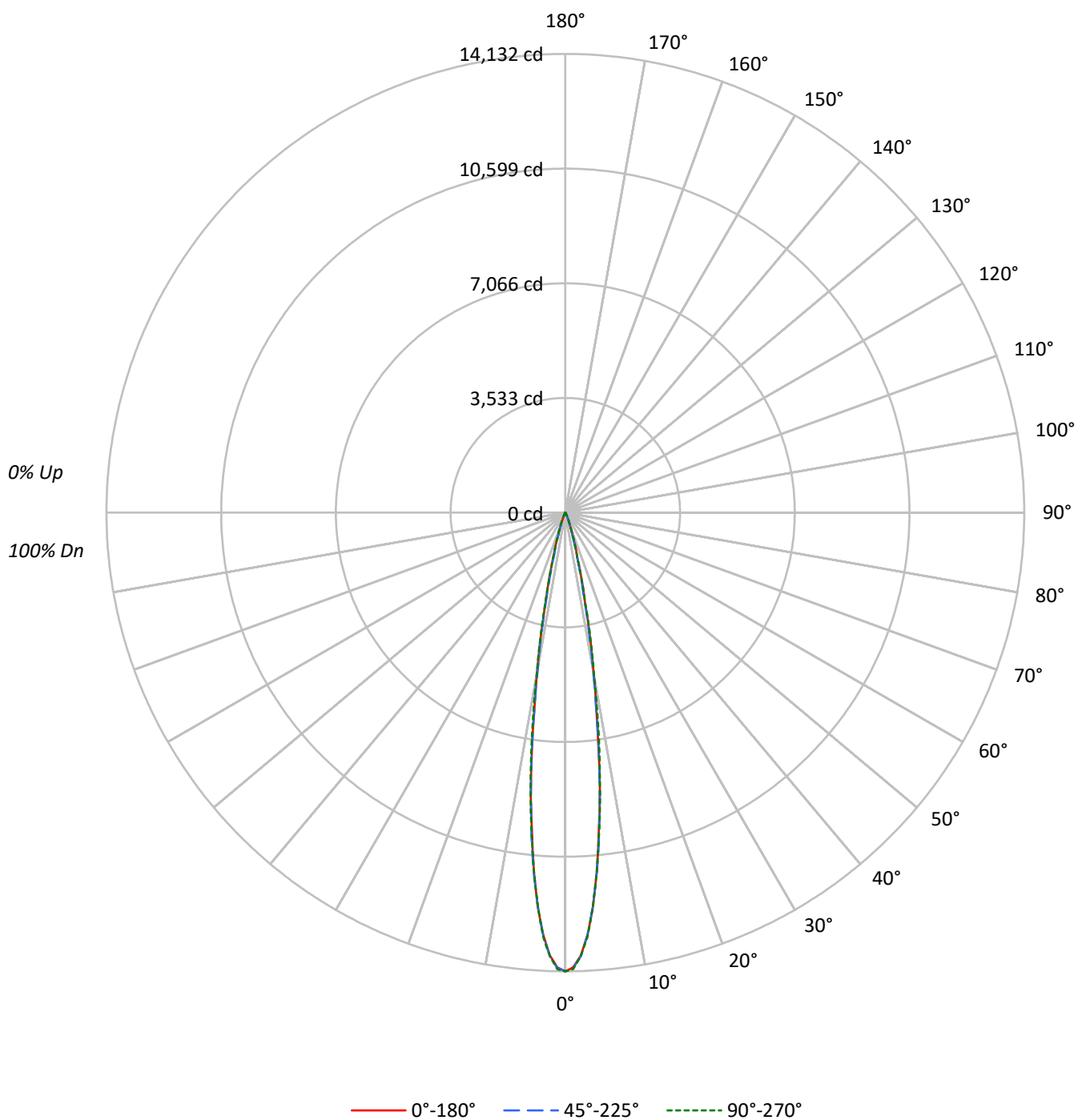
Lumens per Lamp: N/A
Luminaire Lumens: 1415.0 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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°	2433764	2433764	2433764
5°	1919769	1924903	1918057
10°	878297	855283	896869
15°	261153	233142	255840
20°	77544	75216	81448
25°	22043	28504	25540
30°	7875	8452	7597
35°	2985	2670	2670
40°	1281	629	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.8	60.3
10°-20°	474.0	33.5
20°-30°	75.5	5.3
30°-40°	9.9	0.7
40°-50°	1.5	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°	1403.3	99.2
0°-40°	1413.2	99.9
0°-60°	1415.0	100.0
0°-90°	1415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14132	14132	14132	14132	14132	
5°	11105	11198	11134	11087	11095	852
15°	1465	1446	1308	1389	1435	483
25°	116	130	150	149	134	71
35°	14	14	13	14	13	11
45°	3	2	1	1	3	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5	14131.5
1°	14009.8	14025.4	14045.2	14026.8	14009.8	14025.4	14004.2	14007.0	13990.0	14026.8	14067.9
2°	13653.2	13673.0	13661.7	13636.3	13675.9	13678.7	13634.8	13613.6	13610.8	13647.6	13661.7
3°	13022.1	13067.4	13068.8	13060.3	13047.6	13022.1	12976.8	13006.5	12965.5	12940.0	13084.3
4°	12182.9	12222.5	12269.2	12238.1	12144.7	12153.2	12182.9	12082.4	12088.1	12146.1	12150.4
5°	11104.6	11224.9	11230.5	11186.7	11113.1	11134.3	11113.1	11084.8	11094.7	11131.5	11094.7
6°	9835.2	9971.0	9870.6	9966.8	9945.6	9972.5	9979.5	9949.8	9971.0	9948.4	9941.3
7°	8738.5	8635.2	8649.3	8609.7	8652.1	8680.4	8697.4	8646.5	8687.5	8752.6	8771.0
8°	7378.5	7348.8	7319.1	7389.8	7370.0	7404.0	7425.2	7481.8	7479.0	7498.8	7563.9
9°	6083.7	6127.5	6154.4	6092.2	6145.9	6041.2	6078.0	6229.4	6189.8	6229.4	6345.5
10°	5022.3	5057.7	5018.1	5016.7	4960.1	4890.7	4886.5	4943.1	5061.9	5155.3	5128.5
12.5°	2770.8	2802.0	2806.2	2803.4	2701.5	2586.9	2608.1	2653.4	2727.0	2758.1	2809.0
15°	1464.7	1463.3	1478.8	1434.9	1381.2	1307.6	1313.2	1375.5	1430.7	1444.9	1434.9
17.5°	751.4	754.3	765.6	754.3	697.7	704.7	720.3	727.4	759.9	772.7	765.6
20°	423.1	424.5	423.1	427.4	404.7	410.4	430.2	431.6	438.7	445.8	444.4
22.5°	242.0	243.4	251.9	249.1	243.4	250.5	254.7	261.8	264.6	261.8	270.3
25°	116.0	117.5	117.5	134.4	142.9	150.0	152.8	150.0	147.2	135.9	134.4
27.5°	66.5	66.5	69.3	70.8	73.6	86.3	84.9	70.8	59.4	59.4	60.9
30°	39.6	38.2	38.2	39.6	41.0	42.5	39.6	38.2	38.2	39.6	38.2
32.5°	24.1	24.1	24.1	22.6	22.6	21.2	21.2	24.1	24.1	24.1	24.1
35°	14.2	14.2	14.2	14.2	12.7	12.7	12.7	14.2	14.2	12.7	12.7
37.5°	8.5	8.5	8.5	7.1	7.1	5.7	7.1	7.1	7.1	7.1	7.1
40°	5.7	5.7	4.2	4.2	2.8	2.8	2.8	4.2	4.2	4.2	4.2
42.5°	4.2	4.2	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8	2.8
45°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
47.5°	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4
50°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
52.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
55°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
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	1.4	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)