

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: P1308122

Luminaire Tested: P3SQAS17R159030DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308122
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: P3SQAS17R159030DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

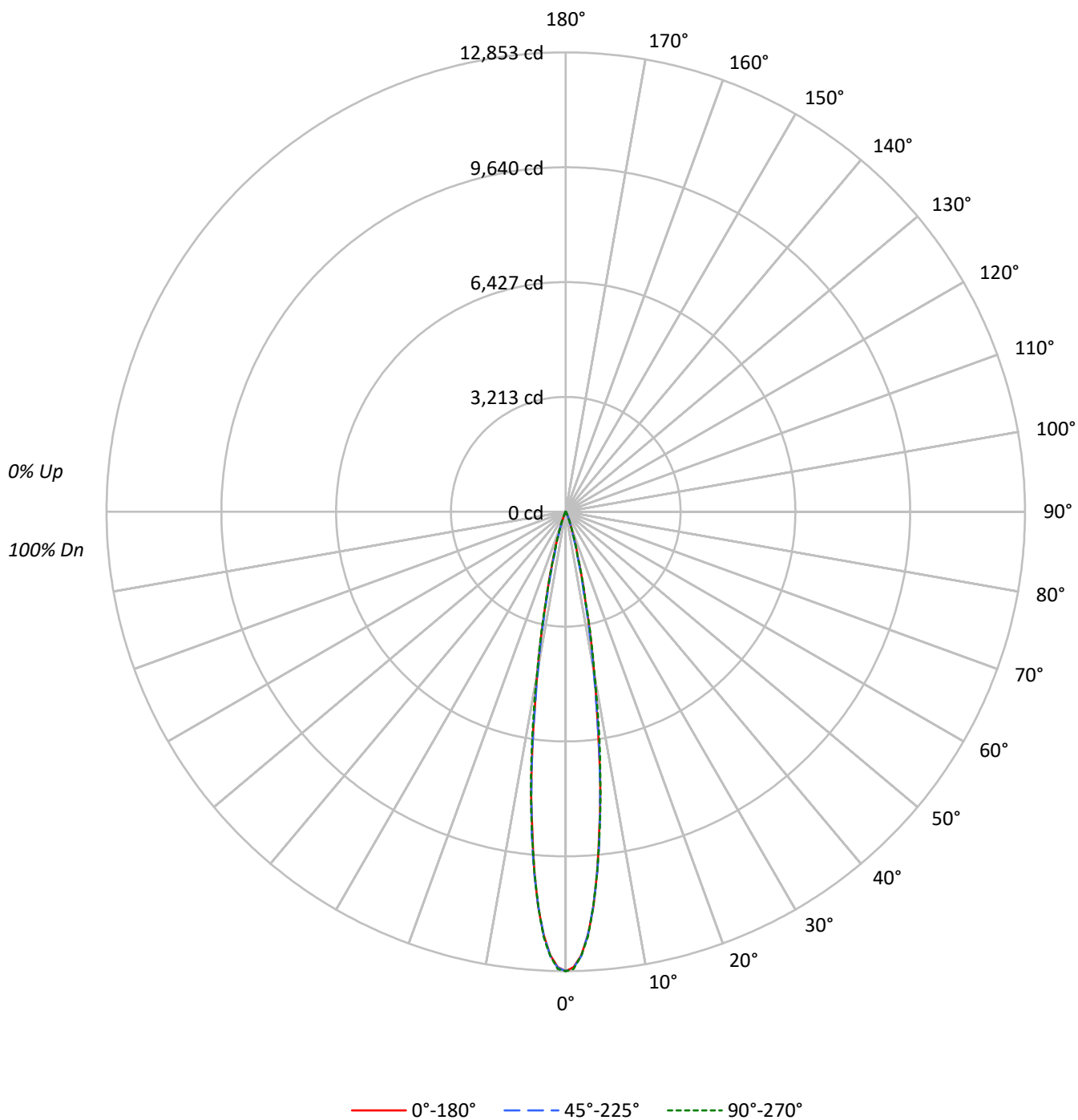
Lumens per Lamp: N/A
Luminaire Lumens: 1287.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	2213612	2213612	2213612
5°	1746110	1750778	1744554
10°	798849	777916	815725
15°	237529	212050	232697
20°	70543	68417	74080
25°	20048	25920	23240
30°	7159	7676	6921
35°	2712	2439	2439
40°	1147	585	877
45°	633	317	633
50°	348	0	348
55°	390	0	390
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: 663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.6	60.3
10°-20°	431.1	33.5
20°-30°	68.6	5.3
30°-40°	9.0	0.7
40°-50°	1.4	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°	1276.4	99.2
0°-40°	1285.4	99.9
0°-60°	1287.0	100.0
0°-90°	1287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12853	12853	12853	12853	12853	
5°	10100	10185	10127	10084	10091	775
15°	1332	1315	1189	1264	1305	439
25°	106	118	136	136	122	64
35°	13	13	12	13	12	10
45°	3	2	1	1	3	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

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2	12853.2
1°	12742.5	12756.7	12774.7	12758.0	12742.5	12756.7	12737.4	12740.0	12724.5	12758.0	12795.3
2°	12418.2	12436.2	12425.9	12402.7	12438.8	12441.3	12401.4	12382.1	12379.6	12413.0	12425.9
3°	11844.1	11885.3	11886.6	11878.9	11867.3	11844.1	11802.9	11830.0	11792.6	11769.5	11900.7
4°	11080.8	11116.9	11159.4	11131.0	11046.1	11053.8	11080.8	10989.5	10994.6	11047.4	11051.2
5°	10100.1	10209.5	10214.6	10174.7	10107.8	10127.1	10107.8	10082.0	10091.1	10124.5	10091.1
6°	8945.5	9069.1	8977.7	9065.2	9045.9	9070.4	9076.8	9049.8	9069.1	9048.5	9042.0
7°	7948.0	7854.0	7866.9	7830.9	7869.5	7895.2	7910.7	7864.3	7901.7	7960.9	7977.6
8°	6711.1	6684.0	6657.0	6721.4	6703.3	6734.2	6753.5	6805.0	6802.4	6820.5	6879.7
9°	5533.3	5573.2	5597.7	5541.1	5590.0	5494.7	5528.2	5665.9	5629.9	5665.9	5771.5
10°	4568.0	4600.2	4564.1	4562.9	4511.4	4448.3	4444.4	4495.9	4604.0	4689.0	4664.5
12.5°	2520.2	2548.5	2552.4	2549.8	2457.1	2352.9	2372.2	2413.4	2480.3	2508.6	2554.9
15°	1332.2	1330.9	1345.0	1305.1	1256.2	1189.3	1194.5	1251.1	1301.3	1314.2	1305.1
17.5°	683.5	686.0	696.3	686.0	634.6	641.0	655.1	661.6	691.2	702.8	696.3
20°	384.9	386.1	384.9	388.7	368.1	373.3	391.3	392.6	399.0	405.4	404.2
22.5°	220.1	221.4	229.1	226.5	221.4	227.8	231.7	238.1	240.7	238.1	245.8
25°	105.5	106.8	106.8	122.3	130.0	136.4	139.0	136.4	133.9	123.6	122.3
27.5°	60.5	60.5	63.1	64.4	66.9	78.5	77.2	64.4	54.1	54.1	55.3
30°	36.0	34.8	34.8	36.0	37.3	38.6	36.0	34.8	34.8	36.0	34.8
32.5°	21.9	21.9	21.9	20.6	20.6	19.3	19.3	21.9	21.9	21.9	21.9
35°	12.9	12.9	12.9	12.9	11.6	11.6	11.6	12.9	12.9	11.6	11.6
37.5°	7.7	7.7	7.7	6.4	6.4	5.1	6.4	6.4	6.4	6.4	6.4
40°	5.1	5.1	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9
42.5°	3.9	3.9	2.6	2.6	1.3	1.3	1.3	2.6	2.6	2.6	2.6
45°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
47.5°	2.6	2.6	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3
50°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
52.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
55°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
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	1.3	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)