

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: P1312878

Luminaire Tested: P3SQAS02R159730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

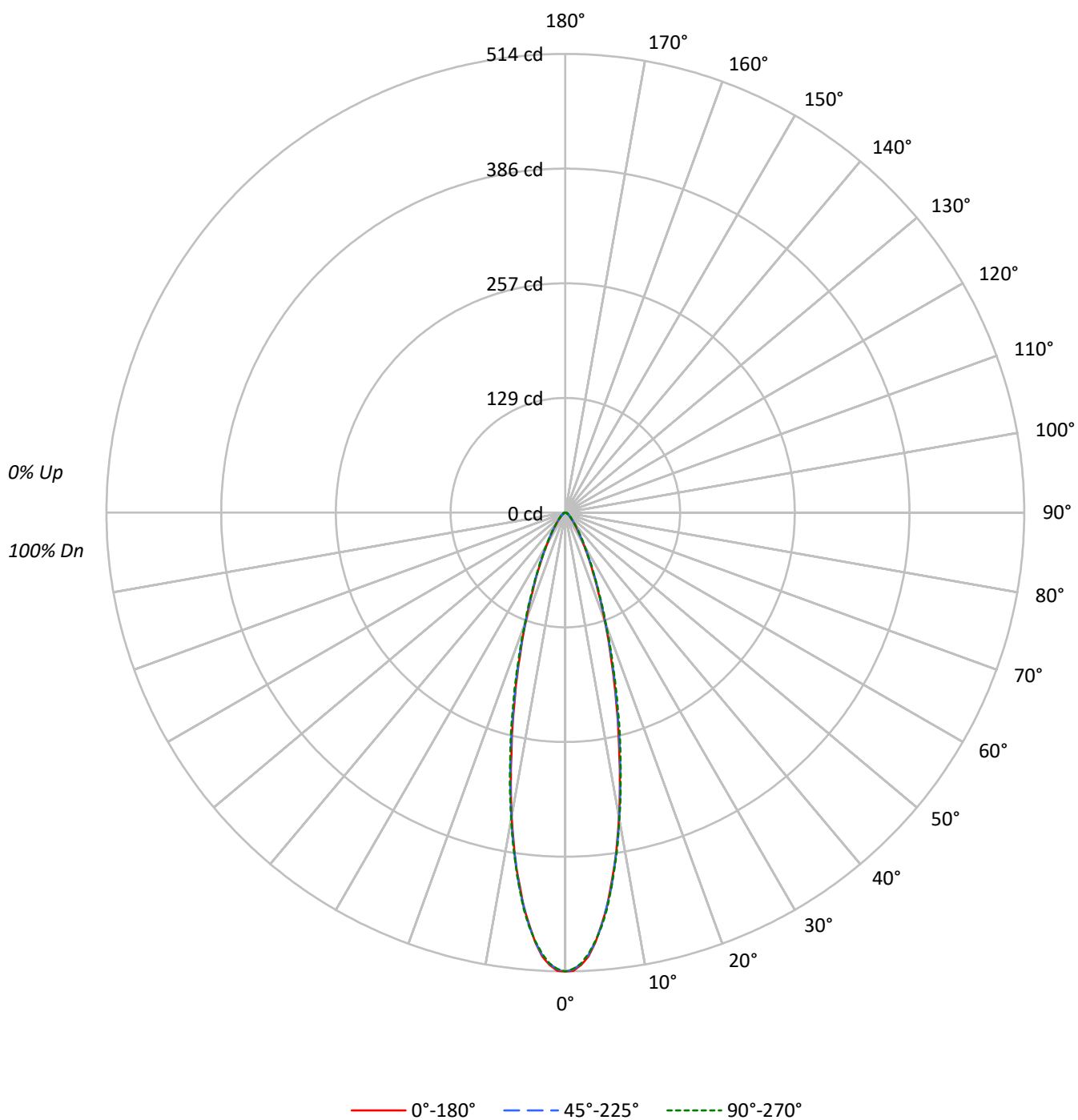
Lumens per Lamp: N/A
Luminaire Lumens: 170.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	88540	88540	88540
5°	80199	80338	80459
10°	60543	60701	60998
15°	39279	39707	40474
20°	23643	23917	24247
25°	13815	14100	14309
30°	8114	8372	8511
35°	5004	5193	5277
40°	3282	3395	3440
45°	2289	2338	2387
50°	1688	1742	1822
55°	1381	1441	1441
60°	1206	1206	1206
65°	1060	1060	1060
70°	856	1007	1007
75°	865	865	865
80°	694	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	23.8
10°-20°	61.9	36.4
20°-30°	35.2	20.7
30°-40°	16.1	9.4
40°-50°	7.7	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.6
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	137.6	80.9
0°-40°	153.7	90.4
0°-60°	165.7	97.4
0°-90°	170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	514	514	514	514	514	
5°	464	464	465	465	465	40
15°	220	221	223	226	227	61
25°	73	73	74	75	75	34
35°	24	24	25	25	25	16
45°	9	9	10	10	10	7
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	514.1	514.1	514.1	514.1	514.1
1°	513.6	512.3	511.9	511.7	511.2
2°	507.1	506.0	505.8	505.8	505.6
3°	497.9	496.0	496.2	495.5	494.9
4°	482.4	481.5	482.0	482.4	481.5
5°	463.9	463.6	464.7	464.7	465.4
6°	444.7	444.4	443.8	445.5	446.4
7°	420.2	421.5	423.3	422.4	423.0
8°	397.9	396.4	397.1	399.2	399.5
9°	371.7	370.7	373.5	374.4	374.6
10°	346.2	347.3	347.1	350.1	348.8
12.5°	279.6	281.4	283.3	284.6	286.0
15°	220.3	221.3	222.7	225.7	227.0
17.5°	169.4	170.7	172.0	174.6	175.1
20°	129.0	129.7	130.5	132.9	132.3
22.5°	96.5	97.6	98.4	99.5	100.2
25°	72.7	72.7	74.2	74.9	75.3
27.5°	54.1	54.6	55.7	56.5	56.3
30°	40.8	41.5	42.1	42.6	42.8
32.5°	31.4	31.4	32.1	32.7	33.0
35°	23.8	24.2	24.7	25.1	25.1
37.5°	18.6	18.8	19.2	19.4	19.4
40°	14.6	14.6	15.1	15.3	15.3
42.5°	11.6	11.8	12.0	12.2	12.2
45°	9.4	9.4	9.6	9.8	9.8
47.5°	7.6	7.6	7.9	8.1	8.1
50°	6.3	6.5	6.5	6.8	6.8
52.5°	5.5	5.5	5.5	5.7	5.7
55°	4.6	4.6	4.8	4.8	4.8
57.5°	3.9	3.9	3.9	4.1	4.1
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.2	2.2	2.2	2.4	2.4
70°	1.7	2.0	2.0	2.0	2.0
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.9	0.9	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)