

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: P1316202

Luminaire Tested: P3SQAS13R159827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316202
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: P3SQAS13R159827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

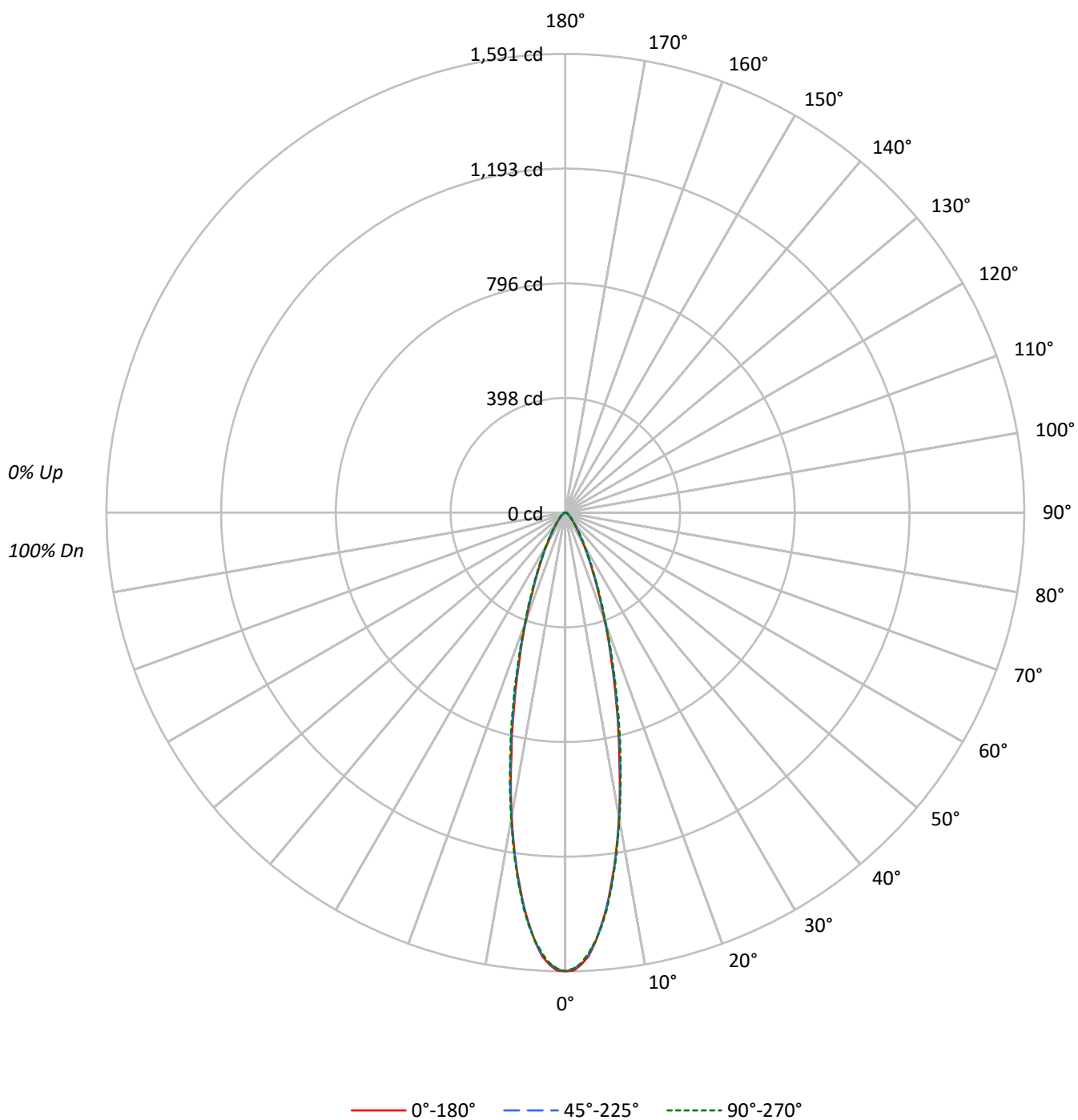
Lumens per Lamp: N/A
Luminaire Lumens: 526.1 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	273937	273937	273937
5°	248118	248585	248948
10°	187331	187803	188747
15°	121510	122829	125237
20°	73164	74025	75015
25°	42737	43630	44276
30°	25117	25932	26330
35°	15474	16042	16336
40°	10184	10477	10634
45°	7063	7234	7404
50°	5251	5439	5600
55°	4264	4474	4474
60°	3720	3720	3720
65°	3301	3301	3301
70°	2719	3072	3072
75°	2728	2728	2728
80°	1984	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7404 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	23.8
10°-20°	191.6	36.4
20°-30°	108.9	20.7
30°-40°	49.7	9.4
40°-50°	23.8	4.5
50°-60°	13.3	2.5
60°-70°	8.2	1.6
70°-80°	4.4	0.8
80°-90°	0.9	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°	425.7	80.9
0°-40°	475.4	90.4
0°-60°	512.6	97.4
0°-90°	526.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1591	1591	1591	1591	1591	
5°	1435	1435	1438	1438	1440	125
15°	682	685	689	698	702	189
25°	225	225	230	232	233	107
35°	74	75	76	78	78	48
45°	29	29	30	30	30	23
55°	14	14	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1590.6	1590.6	1590.6	1590.6	1590.6
1°	1589.2	1585.2	1583.8	1583.2	1581.8
2°	1569.0	1565.6	1564.9	1564.9	1564.2
3°	1540.6	1534.5	1535.2	1533.2	1531.2
4°	1492.7	1490.0	1491.3	1492.7	1490.0
5°	1435.2	1434.6	1437.9	1437.9	1440.0
6°	1375.8	1375.1	1373.1	1378.5	1381.2
7°	1300.2	1304.2	1309.6	1306.9	1308.9
8°	1231.3	1226.5	1228.6	1235.3	1236.0
9°	1150.2	1146.8	1155.6	1158.3	1159.0
10°	1071.2	1074.6	1073.9	1083.4	1079.3
12.5°	865.2	870.6	876.7	880.7	884.8
15°	681.5	684.9	688.9	698.4	702.4
17.5°	524.1	528.2	532.2	540.3	541.7
20°	399.2	401.2	403.9	411.3	409.3
22.5°	298.5	301.9	304.6	308.0	310.0
25°	224.9	224.9	229.6	231.7	233.0
27.5°	167.5	168.9	172.2	174.9	174.3
30°	126.3	128.3	130.4	131.7	132.4
32.5°	97.3	97.3	99.3	101.3	102.0
35°	73.6	75.0	76.3	77.7	77.7
37.5°	57.4	58.1	59.4	60.1	60.1
40°	45.3	45.3	46.6	47.3	47.3
42.5°	35.8	36.5	37.1	37.8	37.8
45°	29.0	29.0	29.7	30.4	30.4
47.5°	23.6	23.6	24.3	25.0	25.0
50°	19.6	20.3	20.3	20.9	20.9
52.5°	16.9	16.9	16.9	17.6	17.6
55°	14.2	14.2	14.9	14.9	14.9
57.5°	12.2	12.2	12.2	12.8	12.8
60°	10.8	10.8	10.8	10.8	10.8
62.5°	9.5	9.5	9.5	9.5	9.5
65°	8.1	8.1	8.1	8.1	8.1
67.5°	6.8	6.8	6.8	7.4	7.4
70°	5.4	6.1	6.1	6.1	6.1
72.5°	4.7	4.7	4.7	4.7	4.7
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.0	2.7	2.7	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)