

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: P1312231

Luminaire Tested: P3SQAS09R159727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312231
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: P3SQAS09R159727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

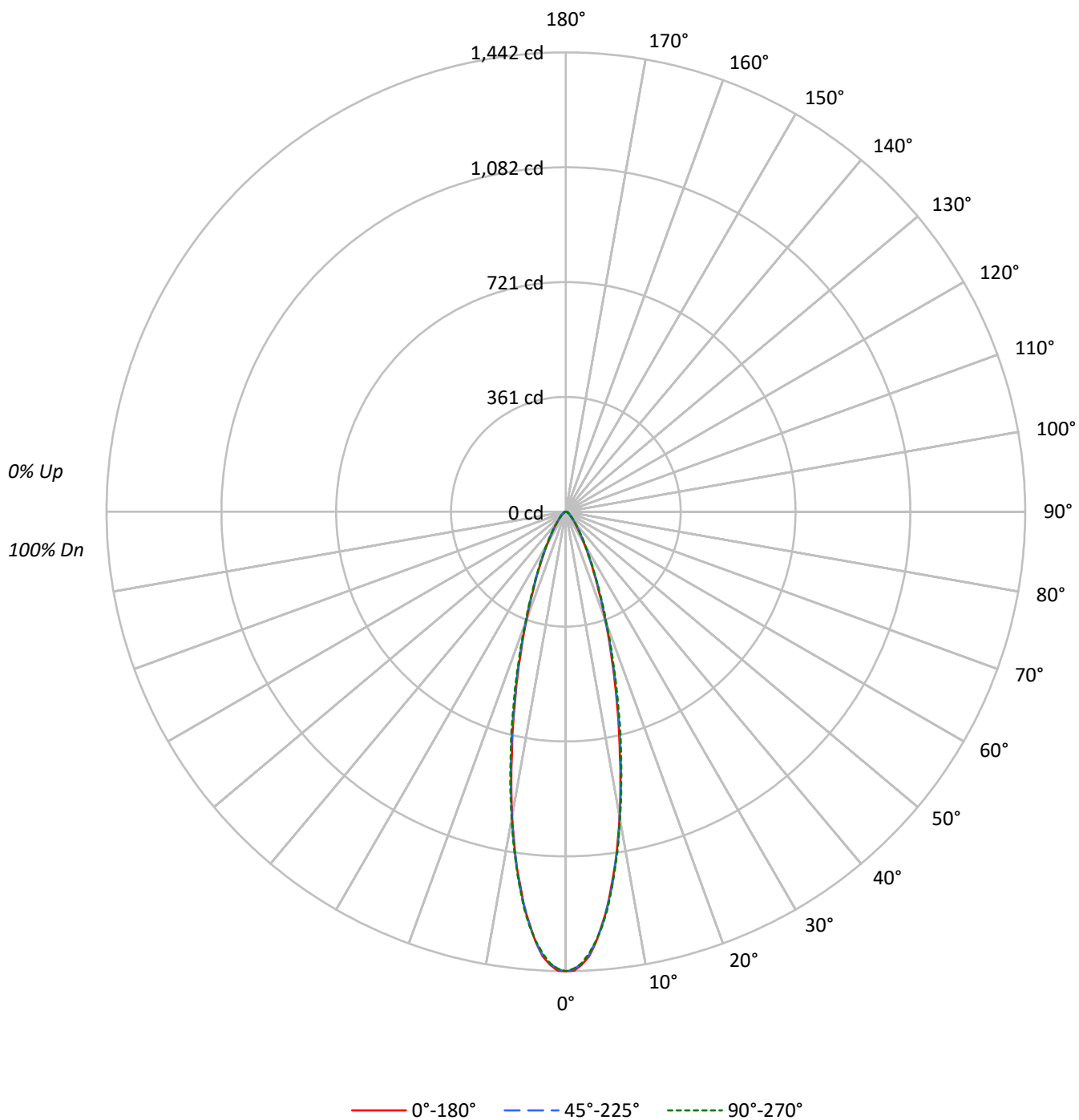
Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	248414	248414	248414
5°	225004	225436	225747
10°	169878	170315	171172
15°	110188	111383	113576
20°	66346	67134	68032
25°	38765	39564	40153
30°	22770	23506	23864
35°	14044	14549	14801
40°	9218	9510	9645
45°	6406	6552	6722
50°	4769	4930	5091
55°	3873	4054	4054
60°	3376	3376	3376
65°	2975	2975	2975
70°	2467	2769	2769
75°	2462	2462	2462
80°	1785	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	23.8
10°-20°	173.7	36.4
20°-30°	98.7	20.7
30°-40°	45.1	9.4
40°-50°	21.6	4.5
50°-60°	12.1	2.5
60°-70°	7.4	1.5
70°-80°	3.9	0.8
80°-90°	0.8	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°	386.1	80.9
0°-40°	431.1	90.4
0°-60°	464.8	97.5
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1302	1301	1304	1304	1306	113
15°	618	621	625	633	637	171
25°	204	204	208	210	211	97
35°	67	68	69	70	70	44
45°	26	26	27	28	28	21
55°	13	13	14	14	14	12
65°	7	7	7	7	7	7
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°	1442.4	1442.4	1442.4	1442.4	1442.4
1°	1441.2	1437.5	1436.3	1435.7	1434.5
2°	1422.8	1419.8	1419.1	1419.1	1418.5
3°	1397.1	1391.6	1392.2	1390.4	1388.5
4°	1353.6	1351.2	1352.4	1353.6	1351.2
5°	1301.5	1300.9	1304.0	1304.0	1305.8
6°	1247.6	1247.0	1245.2	1250.1	1252.5
7°	1179.0	1182.7	1187.6	1185.2	1187.0
8°	1116.6	1112.3	1114.1	1120.2	1120.9
9°	1043.1	1040.0	1048.0	1050.4	1051.0
10°	971.4	974.5	973.9	982.4	978.8
12.5°	784.6	789.5	795.0	798.7	802.4
15°	618.0	621.1	624.7	633.3	637.0
17.5°	475.3	479.0	482.6	490.0	491.2
20°	362.0	363.8	366.3	373.0	371.2
22.5°	270.7	273.8	276.2	279.3	281.1
25°	204.0	204.0	208.2	210.1	211.3
27.5°	151.9	153.1	156.2	158.6	158.0
30°	114.5	116.4	118.2	119.4	120.0
32.5°	88.2	88.2	90.0	91.9	92.5
35°	66.8	68.0	69.2	70.4	70.4
37.5°	52.1	52.7	53.9	54.5	54.5
40°	41.0	41.0	42.3	42.9	42.9
42.5°	32.5	33.1	33.7	34.3	34.3
45°	26.3	26.3	26.9	27.6	27.6
47.5°	21.4	21.4	22.0	22.7	22.7
50°	17.8	18.4	18.4	19.0	19.0
52.5°	15.3	15.3	15.3	15.9	15.9
55°	12.9	12.9	13.5	13.5	13.5
57.5°	11.0	11.0	11.0	11.6	11.6
60°	9.8	9.8	9.8	9.8	9.8
62.5°	8.6	8.6	8.6	8.6	8.6
65°	7.3	7.3	7.3	7.3	7.3
67.5°	6.1	6.1	6.1	6.7	6.7
70°	4.9	5.5	5.5	5.5	5.5
72.5°	4.3	4.3	4.3	4.3	4.3
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.1	3.1	3.1	3.1	3.1
80°	1.8	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)