

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: P1314189

Luminaire Tested: P3SQAS09R209735DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209735DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

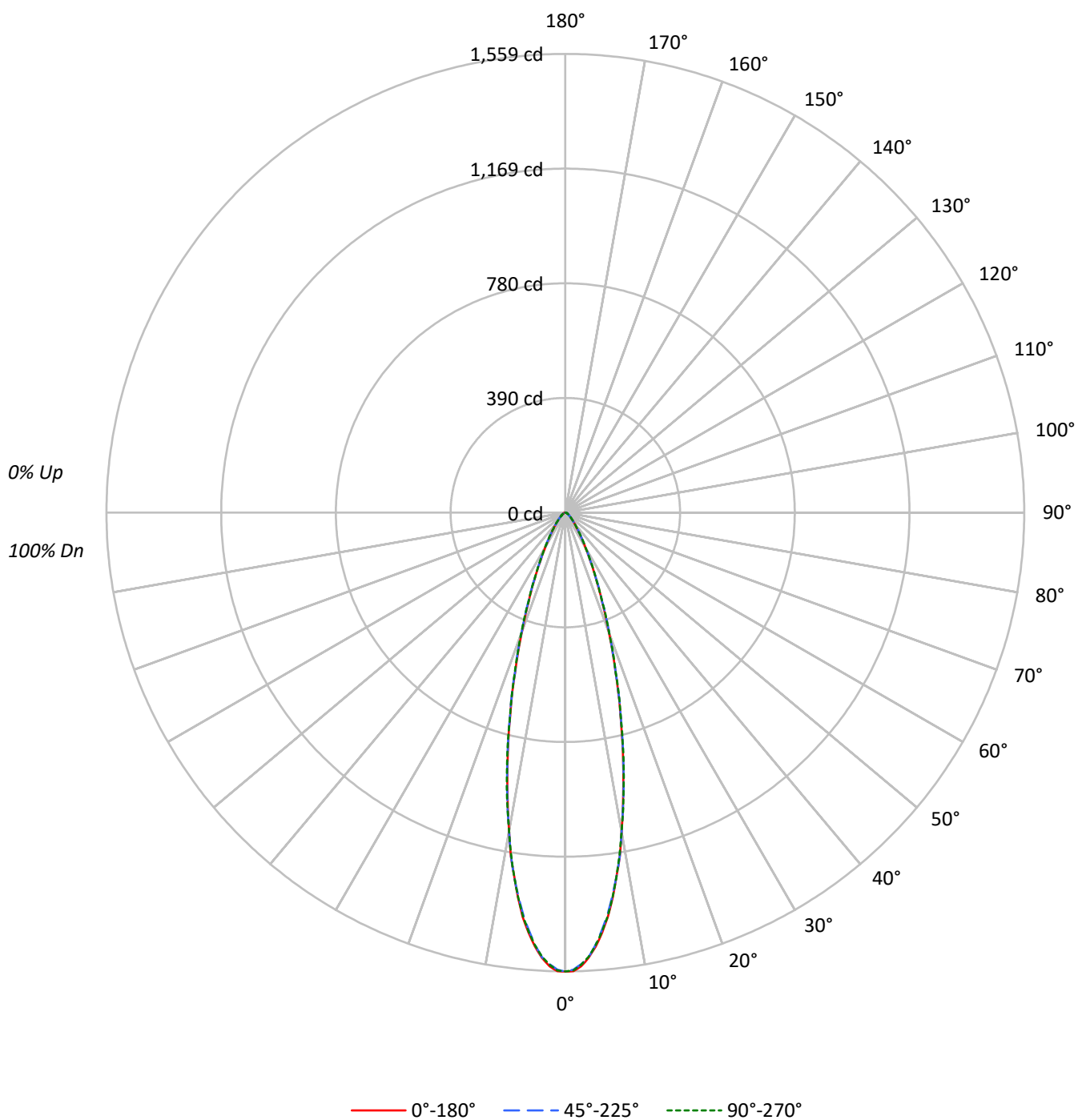
Lumens per Lamp: N/A
Luminaire Lumens: 548.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		96	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	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	268564	268564	268564
5°	247755	246337	247167
10°	192262	192507	192507
15°	129944	130568	130568
20°	78918	79926	80293
25°	46290	46937	46823
30°	27006	27543	27682
35°	16504	16925	16925
40°	10746	10904	11039
45°	7477	7648	7818
50°	5493	5680	5680
55°	4294	4504	4504
60°	3754	3754	3996
65°	3342	3342	3627
70°	3072	3072	3072
75°	2728	2728	2728
80°	1984	1984	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	22.9
10°-20°	201.4	36.7
20°-30°	116.6	21.3
30°-40°	52.3	9.5
40°-50°	24.8	4.5
50°-60°	13.6	2.5
60°-70°	8.2	1.5
70°-80°	4.4	0.8
80°-90°	1.0	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°	443.7	81.0
0°-40°	496.0	90.5
0°-60°	534.4	97.5
0°-90°	548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1559	1559	1559	1559	1559	
5°	1433	1428	1425	1428	1430	126
15°	729	729	732	729	732	201
25°	244	244	247	245	246	115
35°	78	79	80	81	80	51
45°	31	31	31	31	32	24
55°	14	14	15	15	15	13
65°	8	8	8	8	9	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°	1559.4	1559.4	1559.4	1559.4	1559.4
1°	1558.7	1554.6	1553.2	1551.9	1556.0
2°	1543.0	1538.2	1535.5	1536.9	1537.5
3°	1515.0	1512.3	1512.3	1510.2	1511.6
4°	1478.8	1473.4	1473.4	1474.1	1474.1
5°	1433.1	1428.3	1424.9	1427.7	1429.7
6°	1381.9	1375.8	1373.1	1373.7	1378.5
7°	1319.2	1311.0	1312.3	1315.7	1315.7
8°	1248.2	1247.5	1248.9	1247.5	1248.9
9°	1182.7	1173.1	1181.3	1174.5	1177.9
10°	1099.4	1098.7	1100.8	1102.8	1100.8
12.5°	909.7	913.1	914.5	911.7	917.9
15°	728.8	728.8	732.3	728.8	732.3
17.5°	567.1	566.4	569.2	566.4	570.5
20°	430.6	435.4	436.1	436.1	438.1
22.5°	324.8	324.8	327.6	328.3	326.9
25°	243.6	243.6	247.0	245.0	246.4
27.5°	180.2	181.5	184.3	185.6	185.6
30°	135.8	136.5	138.5	139.2	139.2
32.5°	102.4	103.7	105.1	105.8	106.5
35°	78.5	79.2	80.5	81.2	80.5
37.5°	60.1	60.7	62.1	62.8	62.8
40°	47.8	47.8	48.5	49.1	49.1
42.5°	37.5	38.2	38.2	38.9	38.9
45°	30.7	30.7	31.4	31.4	32.1
47.5°	24.6	24.6	25.3	25.9	25.9
50°	20.5	20.5	21.2	21.2	21.2
52.5°	17.1	17.1	17.7	17.7	17.7
55°	14.3	14.3	15.0	15.0	15.0
57.5°	12.3	12.3	13.0	13.0	13.0
60°	10.9	10.9	10.9	10.9	11.6
62.5°	9.6	9.6	9.6	9.6	9.6
65°	8.2	8.2	8.2	8.2	8.9
67.5°	6.8	6.8	6.8	6.8	7.5
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.8	4.8	4.8	5.5	5.5
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	2.0	2.0	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	1.4
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)