

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: P1315161

Luminaire Tested: P3SQAS09R209740DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315161
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: P3SQAS09R209740DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

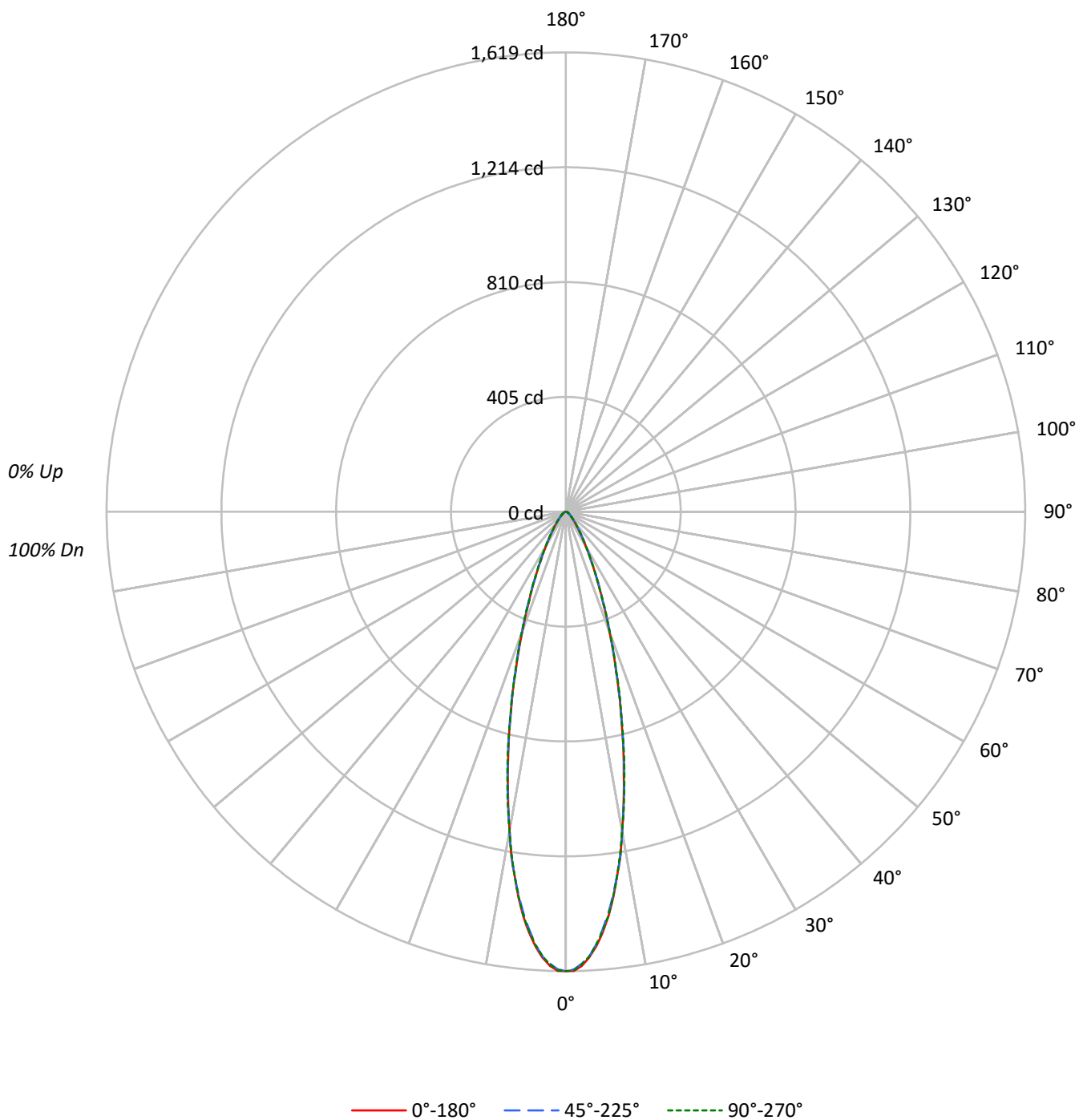
Lumens per Lamp: N/A
Luminaire Lumens: 569.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315161

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315161

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQPHL1MW

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°	278846	278846	278846
5°	257246	255777	256641
10°	199625	199887	199887
15°	134936	135560	135560
20°	81942	82987	83372
25°	48077	48742	48609
30°	28040	28597	28756
35°	17135	17576	17576
40°	11151	11308	11466
45°	7770	7940	8111
50°	5707	5894	5894
55°	4474	4684	4684
60°	3892	3892	4133
65°	3464	3464	3749
70°	3223	3223	3223
75°	2861	2861	2861
80°	2083	2083	2777
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8111 cd/sqm

TEST NUMBER: P1315161

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	22.9
10°-20°	209.1	36.7
20°-30°	121.1	21.3
30°-40°	54.3	9.5
40°-50°	25.7	4.5
50°-60°	14.1	2.5
60°-70°	8.5	1.5
70°-80°	4.6	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°	460.7	81.0
0°-40°	515.0	90.5
0°-60°	554.9	97.5
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1619	1619	1619	1619	1619	
5°	1488	1483	1480	1482	1484	131
15°	757	757	760	757	760	208
25°	253	253	256	254	256	120
35°	82	82	84	84	84	53
45°	32	32	33	33	33	25
55°	15	15	16	16	16	14
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	

TEST NUMBER: P1315161

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.1	1619.1	1619.1	1619.1	1619.1
1°	1618.4	1614.2	1612.8	1611.3	1615.6
2°	1602.1	1597.2	1594.3	1595.7	1596.5
3°	1573.1	1570.2	1570.2	1568.1	1569.5
4°	1535.5	1529.8	1529.8	1530.6	1530.6
5°	1488.0	1483.1	1479.5	1482.4	1484.5
6°	1434.9	1428.5	1425.7	1426.4	1431.4
7°	1369.7	1361.2	1362.6	1366.2	1366.2
8°	1296.0	1295.3	1296.7	1295.3	1296.7
9°	1228.0	1218.1	1226.6	1219.5	1223.0
10°	1141.5	1140.8	1143.0	1145.1	1143.0
12.5°	944.6	948.1	949.5	946.7	953.1
15°	756.8	756.8	760.3	756.8	760.3
17.5°	588.8	588.1	591.0	588.1	592.4
20°	447.1	452.1	452.8	452.8	454.9
22.5°	337.3	337.3	340.1	340.8	339.4
25°	253.0	253.0	256.5	254.4	255.8
27.5°	187.1	188.5	191.3	192.7	192.7
30°	141.0	141.7	143.8	144.6	144.6
32.5°	106.3	107.7	109.1	109.8	110.5
35°	81.5	82.2	83.6	84.3	83.6
37.5°	62.4	63.1	64.5	65.2	65.2
40°	49.6	49.6	50.3	51.0	51.0
42.5°	39.0	39.7	39.7	40.4	40.4
45°	31.9	31.9	32.6	32.6	33.3
47.5°	25.5	25.5	26.2	26.9	26.9
50°	21.3	21.3	22.0	22.0	22.0
52.5°	17.7	17.7	18.4	18.4	18.4
55°	14.9	14.9	15.6	15.6	15.6
57.5°	12.8	12.8	13.5	13.5	13.5
60°	11.3	11.3	11.3	11.3	12.0
62.5°	9.9	9.9	9.9	9.9	9.9
65°	8.5	8.5	8.5	8.5	9.2
67.5°	7.1	7.1	7.1	7.1	7.8
70°	6.4	6.4	6.4	6.4	6.4
72.5°	5.0	5.0	5.0	5.7	5.7
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.1	2.1	2.1	2.8	2.8
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)