

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: P1308949

Luminaire Tested: P3SQAS09R259035DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259035DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

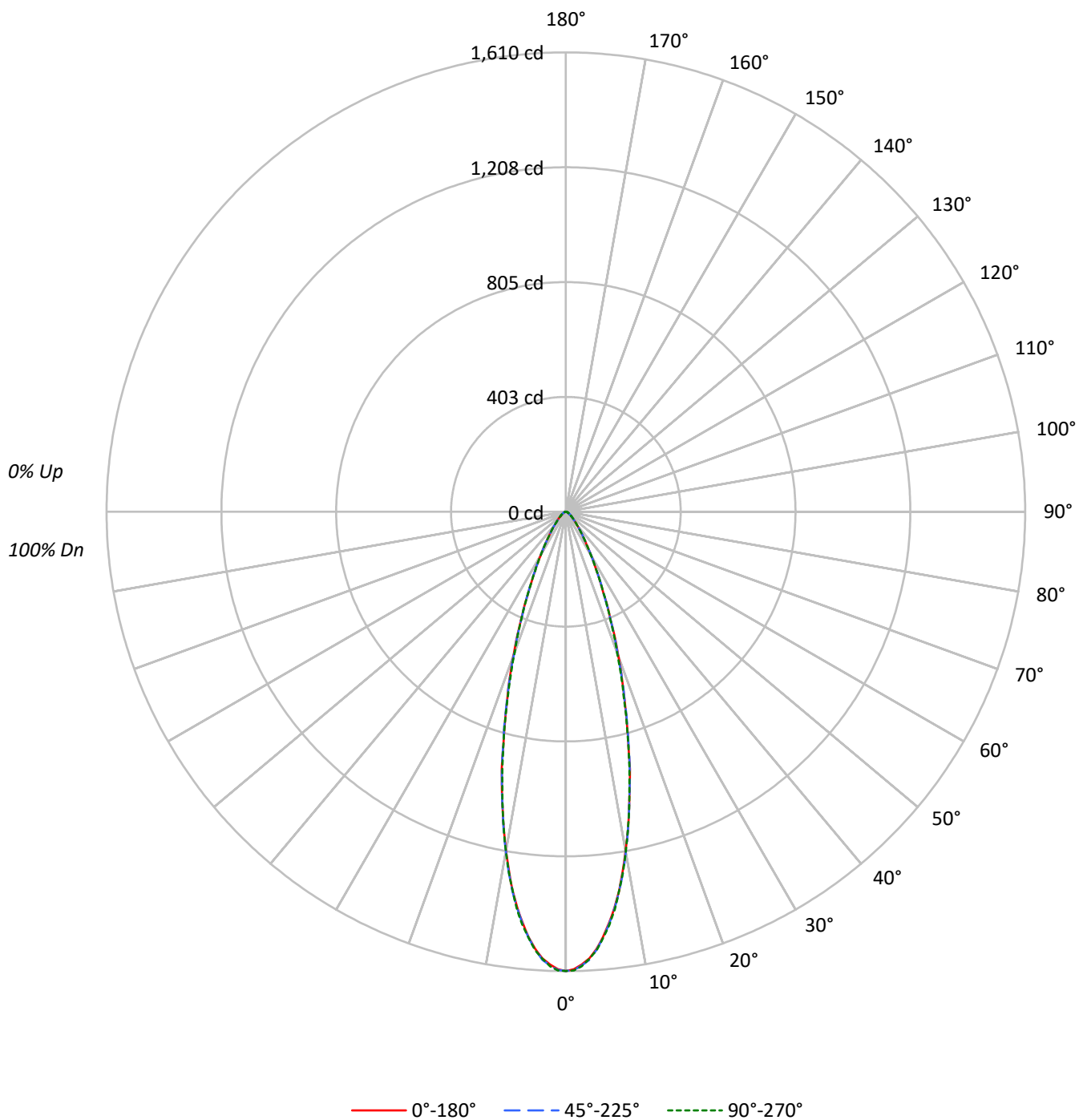
Lumens per Lamp: N/A
Luminaire Lumens: 645.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	277227	277227	277227
5°	258768	259027	259165
10°	211062	211727	211727
15°	150751	151553	150751
20°	98657	97704	96311
25°	58661	58946	58661
30°	35338	35338	35179
35°	21529	21697	21529
40°	13714	13871	13871
45°	9548	9548	9548
50°	6859	7073	7073
55°	5435	5435	5645
60°	4409	4684	4684
65°	3994	3994	3994
70°	3424	3424	3777
75°	2994	2994	3527
80°	2975	2975	2975
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	20.7
10°-20°	233.2	36.1
20°-30°	146.6	22.7
30°-40°	67.1	10.4
40°-50°	31.3	4.9
50°-60°	16.8	2.6
60°-70°	9.9	1.5
70°-80°	5.2	0.8
80°-90°	1.2	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°	513.5	79.6
0°-40°	580.6	90.0
0°-60°	628.8	97.5
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1610	1610	1610	1610	1610	
5°	1497	1500	1498	1500	1499	134
15°	846	851	850	852	846	233
25°	309	312	310	310	309	147
35°	102	102	103	103	102	67
45°	39	39	39	39	39	31
55°	18	18	18	19	19	17
65°	10	10	10	10	10	10
75°	4	4	4	5	5	5
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°	1609.7	1609.7	1609.7	1609.7	1609.7
1°	1603.0	1604.5	1606.0	1608.2	1607.5
2°	1587.9	1590.9	1591.7	1594.7	1593.9
3°	1567.6	1566.8	1572.9	1572.9	1569.1
4°	1536.0	1537.5	1539.0	1540.5	1541.2
5°	1496.8	1499.8	1498.3	1499.8	1499.1
6°	1448.6	1453.1	1452.4	1453.9	1456.1
7°	1397.4	1400.4	1400.4	1398.9	1404.9
8°	1341.7	1339.4	1343.2	1341.7	1341.0
9°	1275.4	1280.0	1280.7	1277.0	1278.5
10°	1206.9	1209.9	1210.7	1213.0	1210.7
11°	1139.2	1139.2	1140.7	1144.4	1138.4
12°	1065.4	1072.2	1065.4	1068.4	1065.4
13°	995.4	996.9	995.4	994.6	989.3
14°	929.1	923.8	925.3	919.3	920.1
15°	845.5	850.8	850.0	851.6	845.5
17.5°	679.9	682.9	682.1	680.6	673.1
20°	538.3	538.3	533.1	530.1	525.5
22.5°	411.1	409.6	407.3	405.1	406.6
25°	308.7	312.5	310.2	310.2	308.7
27.5°	233.4	237.9	234.2	231.9	233.4
30°	177.7	179.2	177.7	176.9	176.9
32.5°	134.0	134.8	134.0	134.0	134.0
35°	102.4	102.4	103.2	103.2	102.4
37.5°	79.1	79.1	79.1	79.1	79.8
40°	61.0	61.7	61.7	61.7	61.7
42.5°	48.2	48.9	48.9	48.9	48.9
45°	39.2	39.2	39.2	39.2	39.2
47.5°	31.6	31.6	31.6	31.6	32.4
50°	25.6	26.4	26.4	26.4	26.4
52.5°	21.8	21.8	21.8	21.8	21.8
55°	18.1	18.1	18.1	18.8	18.8
57.5°	15.1	15.1	15.8	15.8	15.8
60°	12.8	13.6	13.6	13.6	13.6
62.5°	11.3	11.3	12.0	12.0	12.0
65°	9.8	9.8	9.8	9.8	9.8
67.5°	8.3	8.3	8.3	8.3	9.0
70°	6.8	6.8	6.8	7.5	7.5
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.5	4.5	4.5	5.3	5.3
77.5°	3.8	3.8	3.8	3.8	3.8
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)