

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: P1316946

Luminaire Tested: P3SQAS09R209830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316946
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: P3SQAS09R209830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

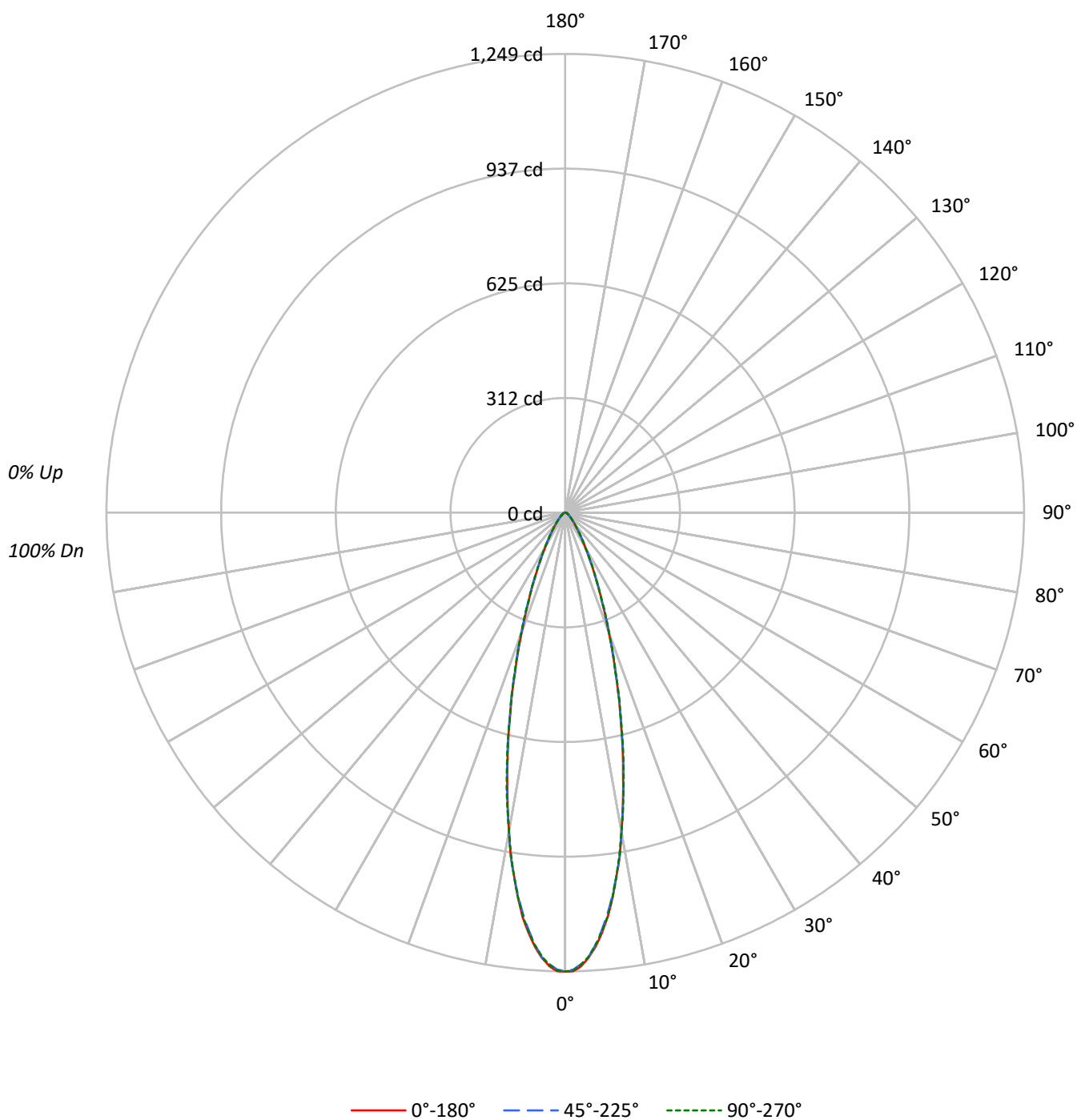
Lumens per Lamp: N/A
Luminaire Lumens: 439.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	215141	215141	215141
5°	198484	197343	198000
10°	154016	154209	154209
15°	104108	104590	104590
20°	63230	64018	64330
25°	37093	37606	37511
30°	21637	22074	22174
35°	13224	13561	13561
40°	8611	8723	8858
45°	5992	6113	6259
50°	4394	4528	4528
55°	3453	3603	3603
60°	2997	2997	3203
65°	2690	2690	2893
70°	2467	2467	2467
75°	2196	2196	2196
80°	1587	1587	2182
85°	988	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6259 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	22.9
10°-20°	161.3	36.7
20°-30°	93.4	21.3
30°-40°	41.9	9.5
40°-50°	19.9	4.5
50°-60°	10.9	2.5
60°-70°	6.6	1.5
70°-80°	3.5	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°	355.5	81.0
0°-40°	397.4	90.5
0°-60°	428.1	97.5
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1148	1144	1142	1144	1145	101
15°	584	584	587	584	587	161
25°	195	195	198	196	197	92
35°	63	63	64	65	64	41
45°	25	25	25	25	26	19
55°	12	12	12	12	12	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.2	1249.2	1249.2	1249.2	1249.2
1°	1248.7	1245.4	1244.3	1243.2	1246.5
2°	1236.1	1232.3	1230.1	1231.2	1231.7
3°	1213.7	1211.5	1211.5	1209.8	1210.9
4°	1184.7	1180.3	1180.3	1180.9	1180.9
5°	1148.1	1144.2	1141.5	1143.7	1145.3
6°	1107.1	1102.1	1100.0	1100.5	1104.3
7°	1056.8	1050.2	1051.3	1054.0	1054.0
8°	999.9	999.4	1000.5	999.4	1000.5
9°	947.4	939.8	946.3	940.9	943.6
10°	880.7	880.2	881.8	883.5	881.8
12.5°	728.7	731.5	732.6	730.4	735.3
15°	583.9	583.9	586.6	583.9	586.6
17.5°	454.3	453.8	455.9	453.8	457.0
20°	345.0	348.8	349.3	349.3	351.0
22.5°	260.2	260.2	262.4	263.0	261.9
25°	195.2	195.2	197.9	196.3	197.4
27.5°	144.3	145.4	147.6	148.7	148.7
30°	108.8	109.3	111.0	111.5	111.5
32.5°	82.0	83.1	84.2	84.7	85.3
35°	62.9	63.4	64.5	65.1	64.5
37.5°	48.1	48.7	49.7	50.3	50.3
40°	38.3	38.3	38.8	39.4	39.4
42.5°	30.1	30.6	30.6	31.2	31.2
45°	24.6	24.6	25.1	25.1	25.7
47.5°	19.7	19.7	20.2	20.8	20.8
50°	16.4	16.4	16.9	16.9	16.9
52.5°	13.7	13.7	14.2	14.2	14.2
55°	11.5	11.5	12.0	12.0	12.0
57.5°	9.8	9.8	10.4	10.4	10.4
60°	8.7	8.7	8.7	8.7	9.3
62.5°	7.7	7.7	7.7	7.7	7.7
65°	6.6	6.6	6.6	6.6	7.1
67.5°	5.5	5.5	5.5	5.5	6.0
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.8	3.8	3.8	4.4	4.4
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.6	1.6	1.6	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)