

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: P1314220

Luminaire Tested: P3SQAS09R309735DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309735DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

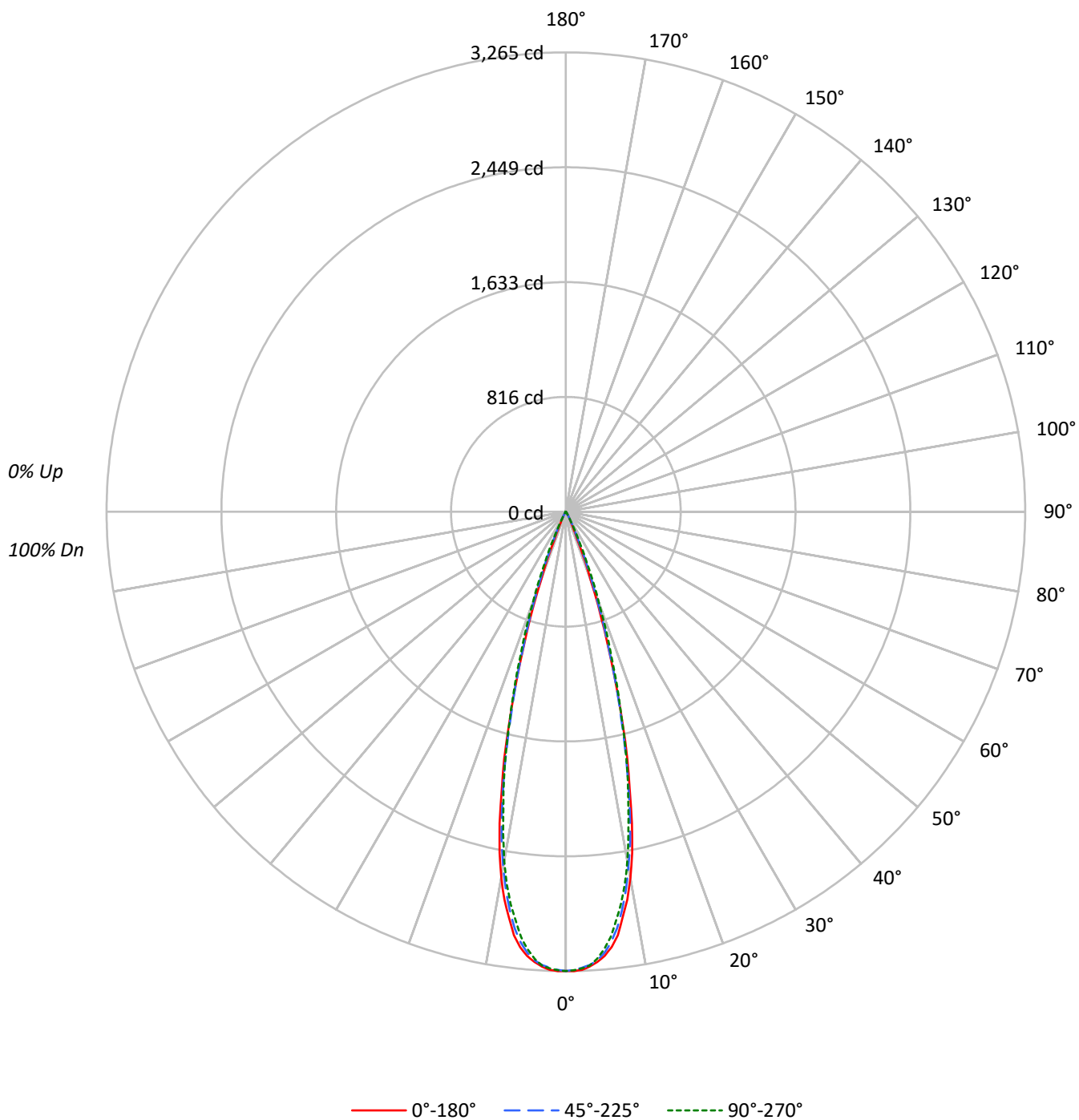
Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314220

CATALOG NUMBER: P3SQAS09R309735DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314220

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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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	562221	562221	562221
5°	547737	543969	539491
10°	462241	448059	440784
15°	278555	270781	275774
20°	94497	109104	125855
25°	17368	27212	32134
30°	5966	6642	7457
35°	1724	2144	2292
40°	450	764	607
45°	170	170	170
50°	188	0	188
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

TEST NUMBER: P1314220

CATALOG NUMBER: P3SQAS09R309735DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	35.7
10°-20°	412.6	52.2
20°-30°	87.3	11.0
30°-40°	8.0	1.0
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	782.1	98.9
0°-40°	790.2	99.9
0°-60°	791.0	100.0
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3264	3264	3264	3264	3264	
5°	3168	3162	3146	3137	3121	286
15°	1562	1557	1519	1554	1547	412
25°	91	102	143	168	169	67
35°	8	10	10	12	11	7
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

TEST NUMBER: P1314220

CATALOG NUMBER: P3SQAS09R309735DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3264.5	3264.5	3264.5	3264.5	3264.5
1°	3265.2	3261.8	3257.0	3263.8	3259.0
2°	3258.4	3250.2	3243.3	3250.2	3248.1
3°	3237.9	3231.1	3226.3	3229.7	3229.7
4°	3207.2	3199.7	3195.6	3196.3	3186.1
5°	3168.3	3162.2	3146.5	3137.0	3120.6
6°	3111.1	3096.0	3077.0	3061.3	3040.1
7°	3033.3	3010.1	2982.8	2955.6	2929.0
8°	2908.5	2897.6	2860.8	2842.4	2815.8
9°	2791.2	2764.6	2725.1	2695.1	2680.7
10°	2643.2	2603.7	2562.1	2538.2	2520.5
11°	2468.0	2427.7	2394.3	2359.5	2332.3
12°	2262.0	2227.9	2189.7	2166.6	2134.5
13°	2017.9	2013.1	1970.1	1962.6	1958.6
14°	1808.5	1789.4	1747.2	1758.7	1761.5
15°	1562.3	1556.9	1518.7	1554.2	1546.7
17.5°	978.6	980.6	1004.5	1060.4	1078.2
20°	515.6	531.2	595.3	662.9	686.7
22.5°	208.7	243.5	308.9	354.6	385.3
25°	91.4	102.3	143.2	168.4	169.1
27.5°	51.8	52.5	68.9	71.6	73.0
30°	30.0	30.7	33.4	35.5	37.5
32.5°	16.4	17.7	18.4	21.1	21.1
35°	8.2	10.2	10.2	12.3	10.9
37.5°	4.8	5.5	6.1	6.1	5.5
40°	2.0	2.7	3.4	3.4	2.7
42.5°	0.7	1.4	1.4	1.4	2.0
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1314220

CATALOG NUMBER: P3SQAS09R309735DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)