

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: P1314234

Luminaire Tested: P3SQAS09R359735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

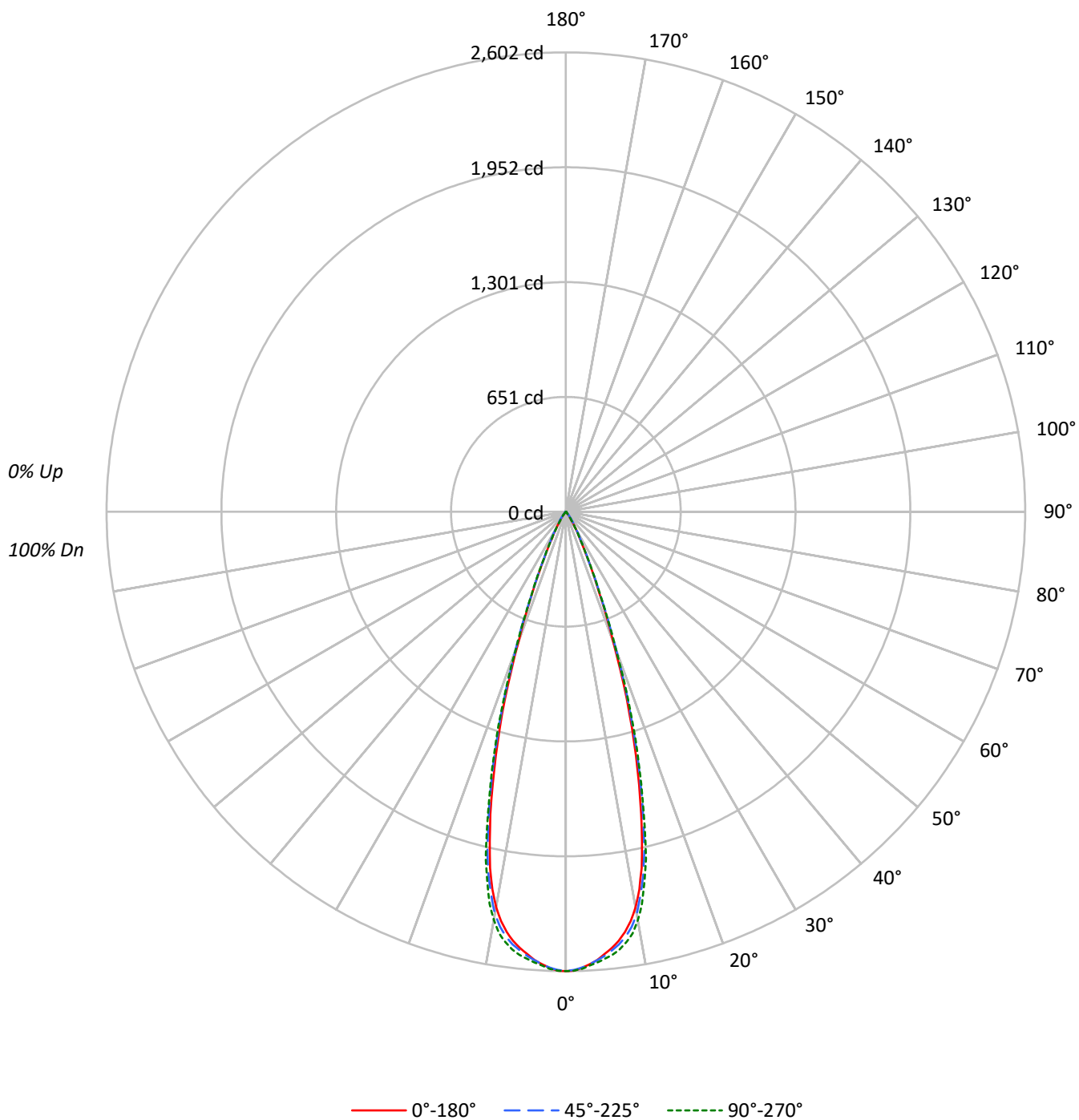
Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314234

CATALOG NUMBER: P3SQAS09R359735DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314234

CATALOG NUMBER: P3SQAS09R359735DE010 E3SQCD1MW

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	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448106	448106	448106
5°	434846	436385	439324
10°	397763	404689	410897
15°	285526	295975	299024
20°	143615	151990	152375
25°	54424	56115	56381
30°	22114	25355	21696
35°	8031	12194	7737
40°	3372	5216	3215
45°	828	2168	828
50°	536	911	536
55°	601	601	601
60°	689	689	689
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2168 cd/sqm

TEST NUMBER: P1314234

CATALOG NUMBER: P3SQAS09R359735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	26.9
10°-20°	438.3	50.1
20°-30°	157.6	18.0
30°-40°	33.1	3.8
40°-50°	5.7	0.7
50°-60°	1.8	0.2
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	831.1	95.1
0°-40°	864.2	98.9
0°-60°	871.8	99.7
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2602	2602	2602	2602	2602	
5°	2515	2520	2524	2541	2541	233
15°	1601	1629	1660	1678	1677	426
25°	286	290	295	298	297	152
35°	38	45	58	44	37	29
45°	3	6	9	6	3	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314234

CATALOG NUMBER: P3SQAS09R359735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2601.9	2601.9	2601.9	2601.9	2601.9
1°	2600.5	2600.5	2595.1	2601.2	2599.2
2°	2586.2	2587.6	2584.2	2591.7	2591.0
3°	2566.4	2569.9	2567.1	2578.0	2574.6
4°	2545.3	2548.0	2546.7	2560.3	2558.9
5°	2515.3	2520.1	2524.2	2541.2	2541.2
6°	2484.6	2489.4	2498.2	2516.7	2522.8
7°	2449.1	2455.3	2469.6	2494.2	2498.2
8°	2404.1	2410.9	2430.7	2457.3	2462.8
9°	2348.2	2358.4	2380.9	2413.0	2416.4
10°	2274.5	2282.7	2314.1	2340.7	2349.6
11°	2179.1	2185.9	2213.8	2256.8	2262.3
12°	2063.1	2071.3	2107.4	2135.4	2140.9
13°	1916.5	1932.2	1975.8	2003.1	2018.1
14°	1765.8	1786.9	1818.3	1857.1	1847.6
15°	1601.4	1629.3	1660.0	1677.8	1677.1
17.5°	1198.3	1214.7	1242.0	1252.2	1265.8
20°	783.6	804.8	829.3	838.9	831.4
22.5°	486.3	491.7	499.2	503.3	502.0
25°	286.4	290.5	295.3	298.0	296.7
27.5°	172.6	182.1	188.9	180.7	176.0
30°	111.2	115.3	127.5	116.6	109.1
32.5°	66.2	75.7	85.9	73.0	63.4
35°	38.2	45.0	58.0	44.3	36.8
37.5°	24.6	28.0	37.5	27.3	23.9
40°	15.0	19.1	23.2	17.7	14.3
42.5°	7.5	11.6	13.6	10.2	7.5
45°	3.4	5.5	8.9	5.5	3.4
47.5°	2.0	2.7	5.5	2.7	2.0
50°	2.0	2.0	3.4	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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: P1314234

CATALOG NUMBER: P3SQAS09R359735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)