

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: P1313234

Luminaire Tested: P3SQAS09R259730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313234
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: P3SQAS09R259730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

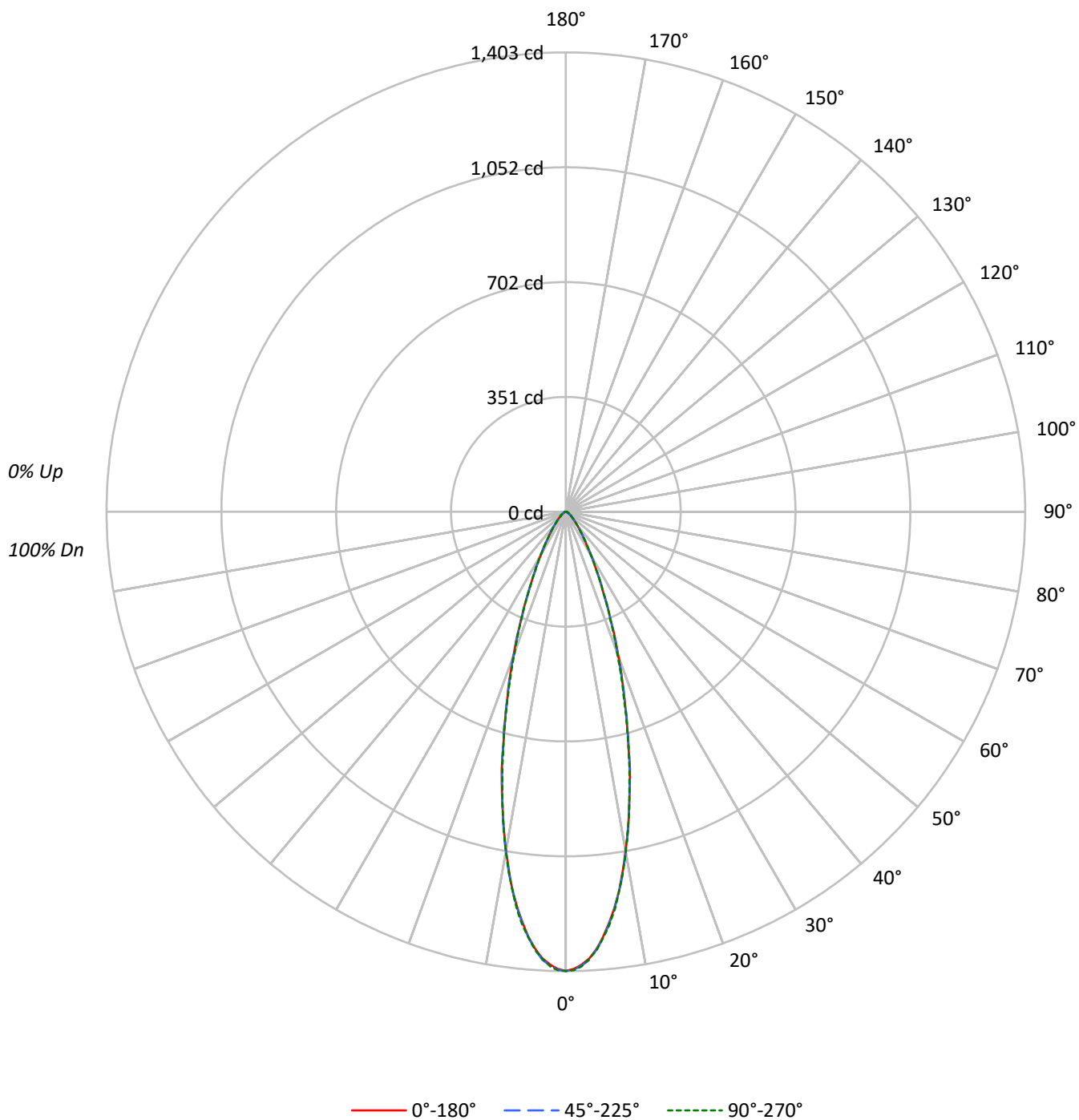
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1313234

CATALOG NUMBER: P3SQAS09R259730DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313234

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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	73		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°	241559	241559	241559
5°	225471	225695	225817
10°	183903	184480	184480
15°	131352	132065	131352
20°	85975	85131	83922
25°	51117	51364	51117
30°	30784	30784	30665
35°	18754	18901	18754
40°	11938	12095	12095
45°	8305	8305	8305
50°	5975	6162	6162
55°	4714	4714	4924
60°	3858	4064	4064
65°	3464	3464	3464
70°	2971	2971	3323
75°	2595	2595	3061
80°	2579	2579	2579
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8305 cd/sqm

TEST NUMBER: P1313234

CATALOG NUMBER: P3SQAS09R259730DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	20.7
10°-20°	203.2	36.2
20°-30°	127.7	22.7
30°-40°	58.4	10.4
40°-50°	27.3	4.9
50°-60°	14.7	2.6
60°-70°	8.6	1.5
70°-80°	4.5	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°	447.5	79.6
0°-40°	505.9	90.0
0°-60°	547.8	97.5
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1304	1307	1306	1307	1306	116
15°	737	741	741	742	737	203
25°	269	272	270	270	269	128
35°	89	89	90	90	89	58
45°	34	34	34	34	34	27
55°	16	16	16	16	16	14
65°	8	8	8	8	8	8
75°	4	4	4	5	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1313234

CATALOG NUMBER: P3SQAS09R259730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.6	1402.6	1402.6	1402.6	1402.6
1°	1396.7	1398.0	1399.3	1401.3	1400.6
2°	1383.6	1386.2	1386.9	1389.5	1388.8
3°	1365.9	1365.2	1370.5	1370.5	1367.2
4°	1338.3	1339.6	1340.9	1342.2	1342.9
5°	1304.2	1306.8	1305.5	1306.8	1306.2
6°	1262.2	1266.1	1265.5	1266.8	1268.8
7°	1217.6	1220.2	1220.2	1218.9	1224.2
8°	1169.1	1167.1	1170.4	1169.1	1168.4
9°	1111.3	1115.3	1115.9	1112.6	1113.9
10°	1051.6	1054.2	1054.9	1056.9	1054.9
11°	992.6	992.6	993.9	997.2	991.9
12°	928.3	934.2	928.3	930.9	928.3
13°	867.3	868.6	867.3	866.6	862.0
14°	809.5	805.0	806.3	801.0	801.7
15°	736.7	741.3	740.7	742.0	736.7
17.5°	592.4	595.0	594.4	593.1	586.5
20°	469.1	469.1	464.5	461.8	457.9
22.5°	358.2	356.9	354.9	352.9	354.3
25°	269.0	272.3	270.3	270.3	269.0
27.5°	203.4	207.3	204.0	202.1	203.4
30°	154.8	156.1	154.8	154.2	154.2
32.5°	116.8	117.4	116.8	116.8	116.8
35°	89.2	89.2	89.9	89.9	89.2
37.5°	68.9	68.9	68.9	68.9	69.5
40°	53.1	53.8	53.8	53.8	53.8
42.5°	42.0	42.6	42.6	42.6	42.6
45°	34.1	34.1	34.1	34.1	34.1
47.5°	27.6	27.6	27.6	27.6	28.2
50°	22.3	23.0	23.0	23.0	23.0
52.5°	19.0	19.0	19.0	19.0	19.0
55°	15.7	15.7	15.7	16.4	16.4
57.5°	13.1	13.1	13.8	13.8	13.8
60°	11.2	11.8	11.8	11.8	11.8
62.5°	9.8	9.8	10.5	10.5	10.5
65°	8.5	8.5	8.5	8.5	8.5
67.5°	7.2	7.2	7.2	7.2	7.9
70°	5.9	5.9	5.9	6.6	6.6
72.5°	5.2	5.2	5.2	5.2	5.2
75°	3.9	3.9	3.9	4.6	4.6
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.3	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313234
CATALOG NUMBER: P3SQAS09R259730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)