

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: P1312279

Luminaire Tested: P3SQAS09R309727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

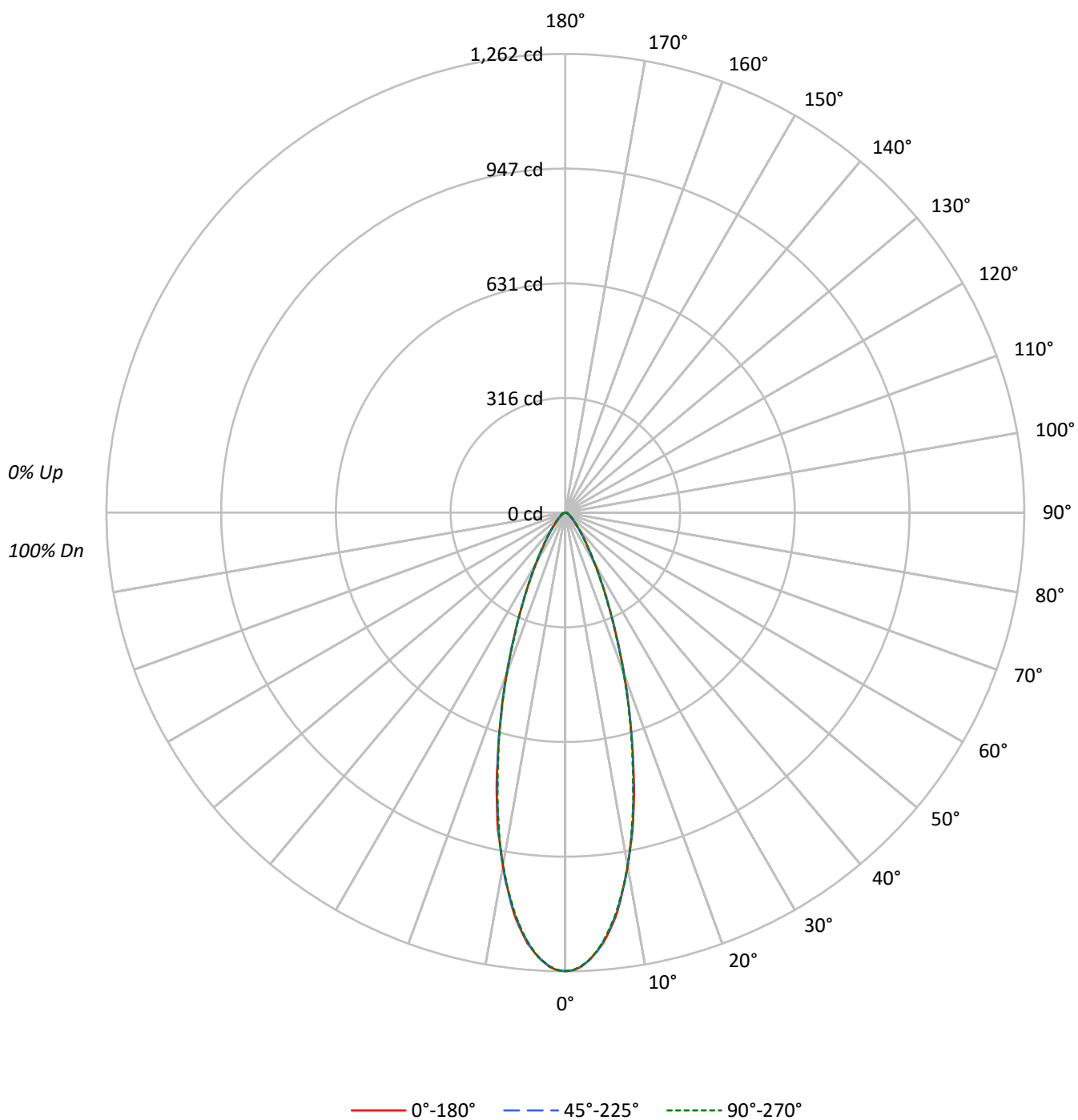
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312279

CATALOG NUMBER: P3SQAS09R309727DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312279

CATALOG NUMBER: P3SQAS09R309727DE010 E3SQPHL1MW

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217259	217259	217259
5°	205676	205157	205054
10°	172798	172798	172151
15°	128749	128410	127644
20°	86158	85718	85828
25°	53112	52998	53226
30°	31938	31938	32057
35°	19595	19595	19721
40°	12410	12410	12680
45°	8500	8671	8671
50°	6243	6243	6243
55°	4774	4954	4954
60°	3996	3996	4237
65°	3505	3505	3505
70°	3072	3374	3374
75°	2861	2861	2861
80°	2479	2479	2479
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8671 cd/sqm

TEST NUMBER: P1312279

CATALOG NUMBER: P3SQAS09R309727DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	19.3
10°-20°	197.5	35.6
20°-30°	131.3	23.7
30°-40°	60.7	11.0
40°-50°	28.2	5.1
50°-60°	15.0	2.7
60°-70°	8.8	1.6
70°-80°	4.7	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°	435.7	78.6
0°-40°	496.3	89.6
0°-60°	539.6	97.4
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1190	1187	1187	1190	1186	107
15°	722	724	720	720	716	198
25°	280	279	279	279	280	131
35°	93	93	93	94	94	60
45°	35	35	36	36	36	28
55°	16	16	16	16	16	15
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1312279

CATALOG NUMBER: P3SQAS09R309727DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.5	1261.5	1261.5	1261.5	1261.5
1°	1259.0	1257.8	1259.0	1260.8	1258.4
2°	1250.4	1249.2	1249.2	1251.7	1249.2
3°	1233.9	1235.1	1234.5	1236.9	1232.7
4°	1213.0	1212.4	1214.9	1216.1	1212.4
5°	1189.7	1187.3	1186.7	1189.7	1186.1
6°	1157.9	1156.0	1154.8	1158.5	1153.6
7°	1123.5	1122.3	1120.5	1121.7	1118.0
8°	1081.3	1080.6	1079.4	1080.6	1076.3
9°	1034.1	1034.1	1036.5	1035.9	1033.4
10°	988.1	989.3	988.1	989.3	984.4
11°	936.6	936.6	937.8	937.2	937.8
12°	891.8	886.9	885.7	884.5	880.8
13°	834.2	830.6	829.3	830.6	828.7
14°	781.5	779.1	772.9	774.2	771.7
15°	722.1	724.5	720.2	720.2	715.9
17.5°	590.3	587.8	589.0	589.7	587.8
20°	470.1	468.9	467.7	466.5	468.3
22.5°	365.3	365.9	364.7	363.5	362.3
25°	279.5	278.9	278.9	278.9	280.1
27.5°	212.1	212.1	212.1	212.7	212.7
30°	160.6	159.4	160.6	161.2	161.2
32.5°	120.1	121.4	122.0	122.0	122.0
35°	93.2	92.6	93.2	93.8	93.8
37.5°	71.1	71.1	71.7	71.7	72.3
40°	55.2	55.2	55.2	55.8	56.4
42.5°	43.5	43.5	44.1	44.1	44.7
45°	34.9	34.9	35.6	35.6	35.6
47.5°	28.2	28.2	28.8	28.8	28.8
50°	23.3	23.3	23.3	23.3	23.3
52.5°	19.6	19.0	19.6	19.6	19.6
55°	15.9	16.5	16.5	16.5	16.5
57.5°	13.5	14.1	14.1	14.1	14.1
60°	11.6	11.6	11.6	12.3	12.3
62.5°	9.8	10.4	10.4	10.4	10.4
65°	8.6	8.6	8.6	8.6	8.6
67.5°	7.4	7.4	7.4	7.4	8.0
70°	6.1	6.1	6.7	6.7	6.7
72.5°	5.5	5.5	5.5	5.5	5.5
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.1	3.1	3.7	3.7	3.1
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312279
CATALOG NUMBER: P3SQAS09R309727DE010 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)