

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: P1311954

Luminaire Tested: P3SQAS02R309727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311954
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: P3SQAS02R309727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

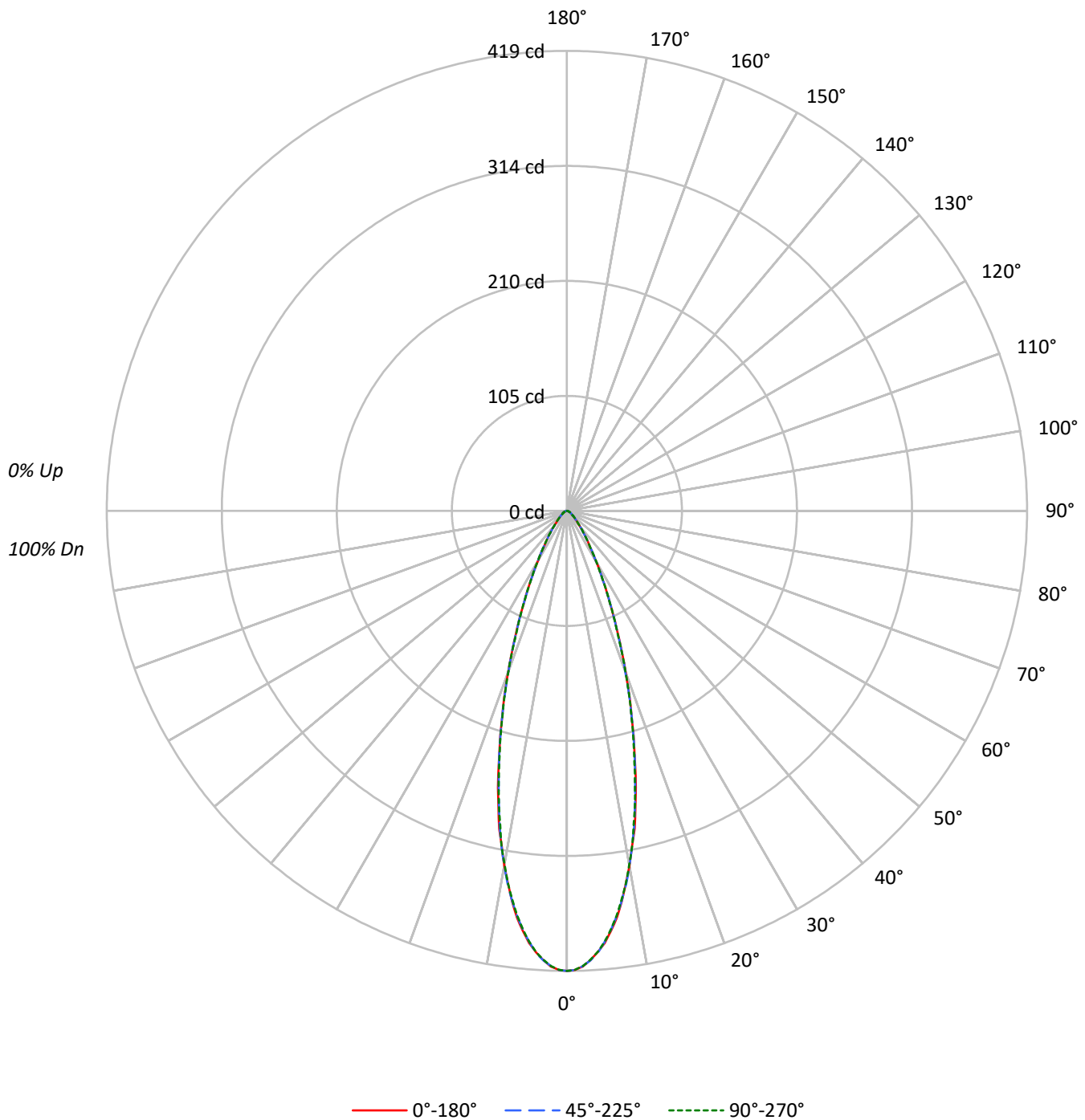
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1311954

CATALOG NUMBER: P3SQAS02R309727DE010 E3SQPHL1MW

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	96	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	91	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°	72161	72161	72161
5°	68305	68132	68098
10°	57395	57395	57186
15°	42756	42649	42399
20°	28609	28463	28499
25°	17634	17596	17672
30°	10600	10600	10639
35°	6497	6497	6539
40°	4114	4114	4204
45°	2825	2874	2874
50°	2063	2063	2063
55°	1591	1651	1651
60°	1343	1343	1412
65°	1182	1182	1182
70°	1007	1108	1108
75°	932	932	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

TEST NUMBER: P1311954

CATALOG NUMBER: P3SQAS02R309727DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	19.3
10°-20°	65.6	35.6
20°-30°	43.6	23.7
30°-40°	20.1	10.9
40°-50°	9.4	5.1
50°-60°	5.0	2.7
60°-70°	2.9	1.6
70°-80°	1.5	0.8
80°-90°	0.3	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°	144.7	78.6
0°-40°	164.8	89.6
0°-60°	179.2	97.4
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	395	394	394	395	394	36
15°	240	241	239	239	238	66
25°	93	93	93	93	93	44
35°	31	31	31	31	31	20
45°	12	12	12	12	12	9
55°	5	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.0	419.0	419.0	419.0	419.0
1°	418.2	417.7	418.2	418.8	418.0
2°	415.3	414.9	414.9	415.7	414.9
3°	409.8	410.2	410.0	410.8	409.4
4°	402.9	402.7	403.5	403.9	402.7
5°	395.1	394.3	394.1	395.1	393.9
6°	384.6	384.0	383.5	384.8	383.1
7°	373.2	372.8	372.1	372.6	371.3
8°	359.1	358.9	358.5	358.9	357.5
9°	343.4	343.4	344.3	344.1	343.2
10°	328.2	328.6	328.2	328.6	327.0
11°	311.1	311.1	311.5	311.3	311.5
12°	296.2	294.6	294.2	293.8	292.5
13°	277.1	275.9	275.4	275.9	275.2
14°	259.6	258.8	256.7	257.1	256.3
15°	239.8	240.6	239.2	239.2	237.8
17.5°	196.0	195.2	195.6	195.8	195.2
20°	156.1	155.7	155.3	154.9	155.5
22.5°	121.3	121.5	121.1	120.7	120.3
25°	92.8	92.6	92.6	92.6	93.0
27.5°	70.4	70.4	70.4	70.6	70.6
30°	53.3	52.9	53.3	53.5	53.5
32.5°	39.9	40.3	40.5	40.5	40.5
35°	30.9	30.7	30.9	31.1	31.1
37.5°	23.6	23.6	23.8	23.8	24.0
40°	18.3	18.3	18.3	18.5	18.7
42.5°	14.5	14.5	14.7	14.7	14.9
45°	11.6	11.6	11.8	11.8	11.8
47.5°	9.4	9.4	9.6	9.6	9.6
50°	7.7	7.7	7.7	7.7	7.7
52.5°	6.5	6.3	6.5	6.5	6.5
55°	5.3	5.5	5.5	5.5	5.5
57.5°	4.5	4.7	4.7	4.7	4.7
60°	3.9	3.9	3.9	4.1	4.1
62.5°	3.3	3.5	3.5	3.5	3.5
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.4	2.4	2.4	2.4	2.6
70°	2.0	2.0	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.0	1.0	1.2	1.2	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311954
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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)