

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: P1316690

Luminaire Tested: P3SQAS02R309830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

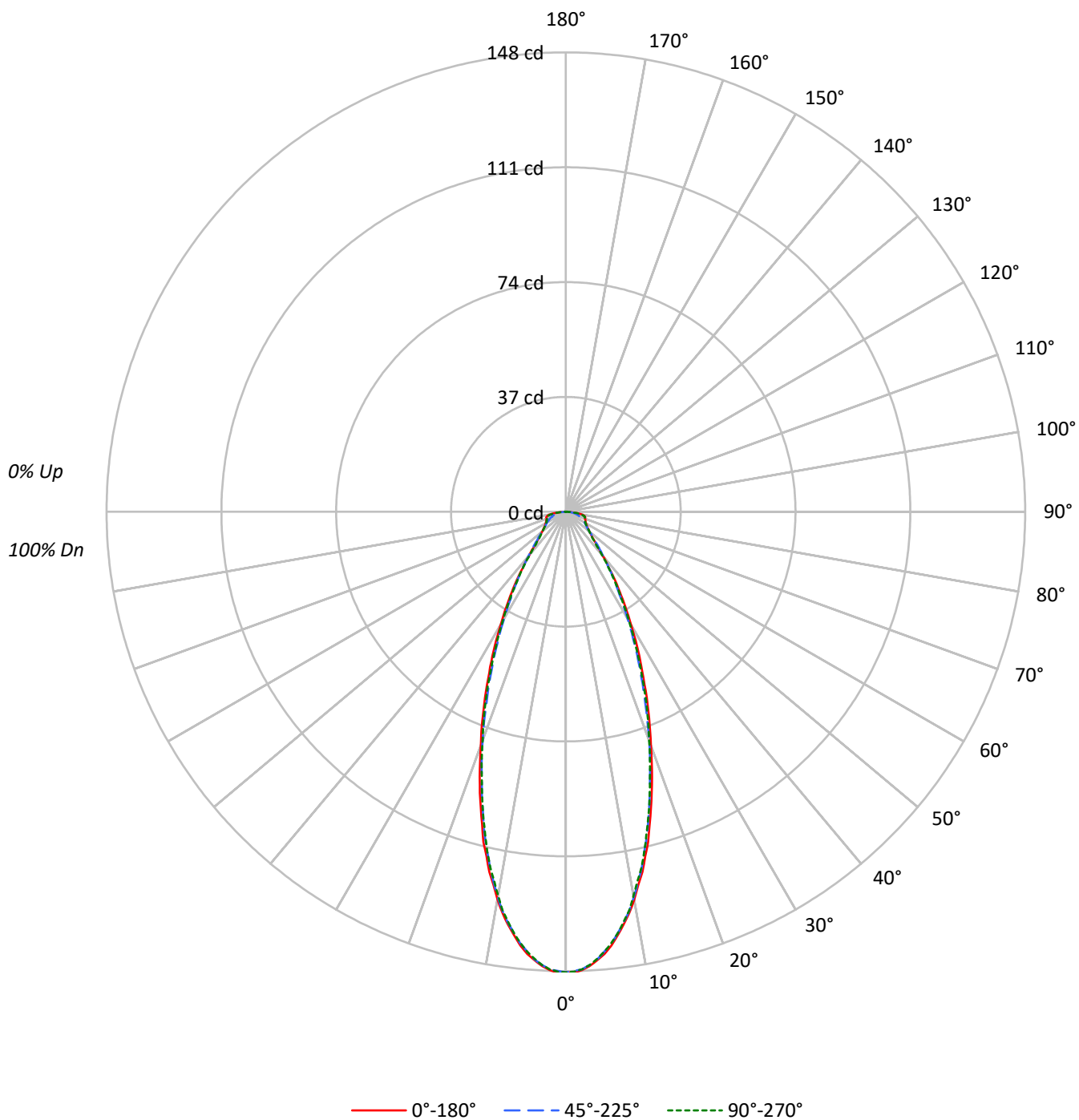
Lumens per Lamp: N/A
Luminaire Lumens: 117.0 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316690

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316690

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	59	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25558	25558	25558
5°	24722	24601	24601
10°	22192	22052	21965
15°	18596	18311	18276
20°	14680	14387	14387
25°	11231	10794	11003
30°	8332	7915	8094
35°	6034	5761	5803
40°	4159	4227	4024
45°	3093	3239	2971
50°	2679	2653	2653
55°	2522	2432	2462
60°	2583	2411	2514
65°	2853	2404	2771
70°	3323	2417	3273
75°	4325	2595	4192
80°	5356	2876	4959
85°	4347	2766	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5356 cd/sqm

TEST NUMBER: P1316690

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	11.2
10°-20°	28.5	24.3
20°-30°	26.5	22.7
30°-40°	17.6	15.0
40°-50°	10.2	8.8
50°-60°	7.5	6.4
60°-70°	6.3	5.4
70°-80°	5.2	4.5
80°-90°	2.2	1.9
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°	68.0	58.1
0°-40°	85.6	73.2
0°-60°	103.3	88.3
0°-90°	117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	148	148	148	148	148	
5°	143	143	142	142	142	13
15°	104	103	103	102	102	29
25°	59	58	57	57	58	27
35°	29	28	27	28	28	18
45°	13	13	13	12	12	10
55°	8	8	8	8	8	8
65°	7	6	6	6	7	7
75°	6	5	4	5	6	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1316690

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	148.4	148.4	148.4	148.4	148.4
1°	148.5	148.4	148.0	148.2	148.2
2°	147.8	147.7	147.5	147.5	147.5
3°	146.6	146.4	146.2	146.2	146.2
4°	144.8	144.6	144.6	144.4	144.4
5°	143.0	142.8	142.3	142.3	142.3
6°	140.5	140.3	139.9	139.8	139.8
7°	137.4	137.4	136.9	136.7	136.9
8°	134.2	134.0	133.7	133.5	133.5
9°	130.8	130.3	130.3	129.7	130.1
10°	126.9	126.5	126.1	125.8	125.6
11°	122.4	122.2	121.7	121.3	121.1
12°	118.6	117.7	117.4	116.8	117.2
13°	113.8	113.2	112.4	112.2	112.4
14°	109.7	108.6	107.9	107.5	107.3
15°	104.3	103.2	102.7	102.5	102.5
17.5°	92.3	91.6	90.1	90.1	90.1
20°	80.1	79.4	78.5	78.3	78.5
22.5°	69.5	68.3	66.8	67.0	68.1
25°	59.1	58.1	56.8	57.0	57.9
27.5°	50.4	48.9	47.7	48.0	48.6
30°	41.9	41.0	39.8	40.1	40.7
32.5°	34.8	34.2	32.8	33.1	33.7
35°	28.7	28.1	27.4	27.6	27.6
37.5°	22.9	22.9	22.8	22.6	22.4
40°	18.5	18.8	18.8	18.3	17.9
42.5°	15.1	15.4	15.8	15.1	14.5
45°	12.7	12.9	13.3	12.5	12.2
47.5°	11.1	11.1	11.5	10.9	10.8
50°	10.0	10.0	9.9	9.7	9.9
52.5°	9.1	9.0	8.8	9.0	9.0
55°	8.4	8.2	8.1	8.2	8.2
57.5°	7.9	7.7	7.5	7.5	7.7
60°	7.5	7.2	7.0	7.2	7.3
62.5°	7.2	6.6	6.5	6.6	7.0
65°	7.0	6.3	5.9	6.3	6.8
67.5°	6.8	5.9	5.4	5.9	6.6
70°	6.6	5.6	4.8	5.6	6.5
72.5°	6.5	5.2	4.5	5.2	6.5
75°	6.5	4.8	3.9	4.8	6.3
77.5°	6.1	4.5	3.4	4.5	5.9
80°	5.4	4.1	2.9	3.9	5.0
82.5°	3.9	3.6	2.2	3.4	3.8
85°	2.2	2.5	1.4	2.3	2.0
87.5°	0.4	0.5	0.4	1.1	0.7



TEST NUMBER: P1316690
CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)