

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: P1313096

Luminaire Tested: P3SQAS05R309730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313096
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: P3SQAS05R309730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

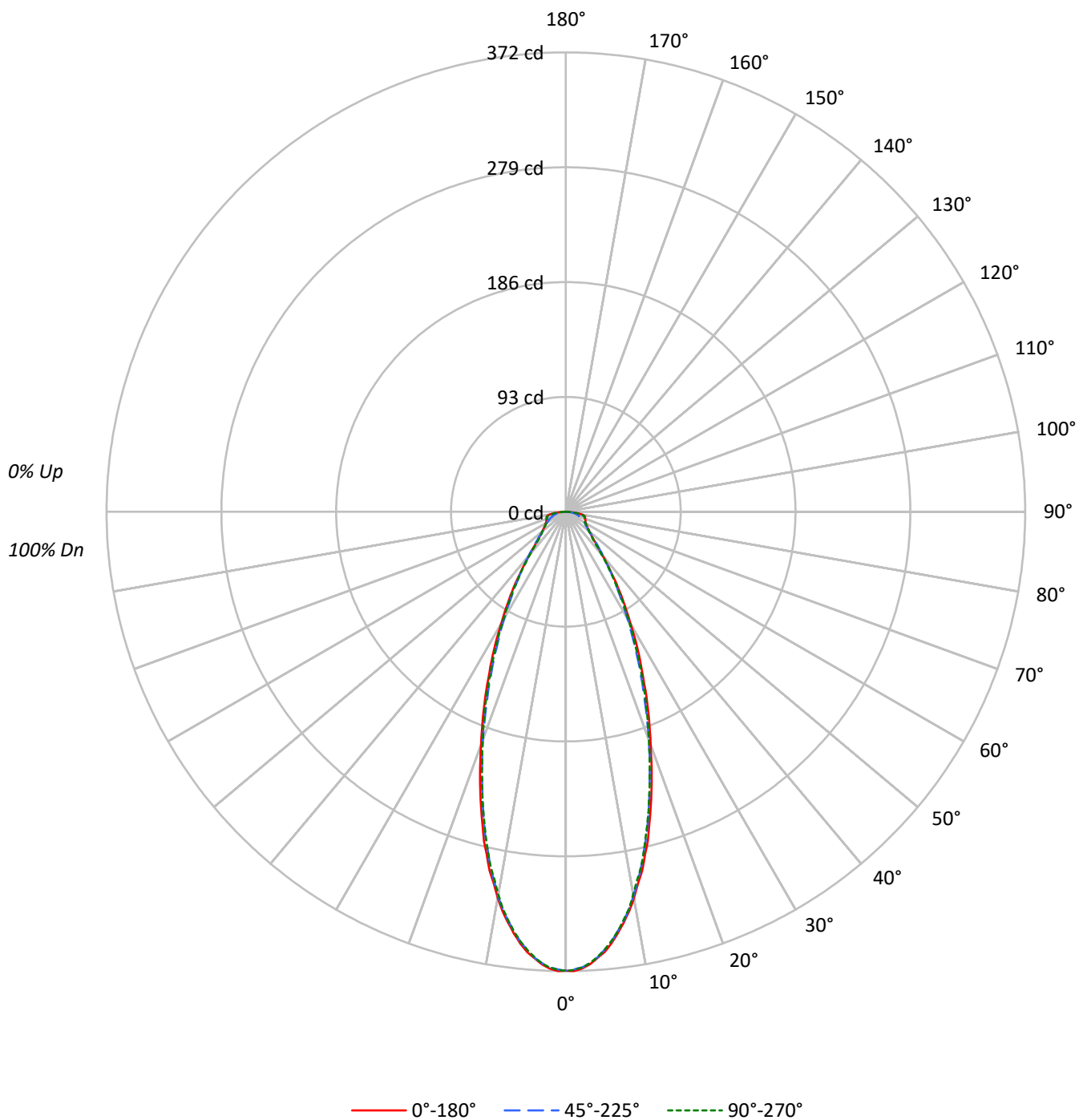
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1313096

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313096

CATALOG NUMBER: P3SQAS05R309730DE010 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	60	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°	63998	63998	63998
5°	61909	61597	61597
10°	55559	55244	55017
15°	46571	45840	45769
20°	36765	36014	36014
25°	28143	27022	27535
30°	20881	19807	20264
35°	15096	14444	14528
40°	10387	10589	10094
45°	7770	8086	7429
50°	6725	6618	6618
55°	6336	6065	6185
60°	6476	6028	6338
65°	7131	6031	6968
70°	8359	6093	8157
75°	10780	6588	10447
80°	13389	7141	12497
85°	10671	7114	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13389 cd/sqm

TEST NUMBER: P1313096

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	11.2
10°-20°	71.2	24.3
20°-30°	66.4	22.7
30°-40°	44.0	15.0
40°-50°	25.6	8.8
50°-60°	18.6	6.4
60°-70°	15.8	5.4
70°-80°	13.1	4.5
80°-90°	5.4	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°	170.4	58.2
0°-40°	214.4	73.2
0°-60°	258.7	88.3
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	358	358	356	356	356	33
15°	261	258	257	257	257	72
25°	148	145	142	143	145	68
35°	72	70	69	69	69	45
45°	32	32	33	31	30	26
55°	21	21	20	21	21	19
65°	18	16	15	16	17	17
75°	16	12	10	12	16	17
85°	5	6	4	6	5	6
90°	0	0	0	0	0	

TEST NUMBER: P1313096

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	371.6	371.6	371.6	371.6	371.6
1°	372.0	371.6	370.7	371.1	371.1
2°	370.2	369.8	369.3	369.3	369.3
3°	367.1	366.6	366.2	366.2	366.2
4°	362.6	362.1	362.1	361.7	361.7
5°	358.1	357.6	356.3	356.3	356.3
6°	351.8	351.4	350.5	350.0	350.0
7°	344.2	344.2	342.8	342.4	342.8
8°	336.1	335.7	334.8	334.3	334.3
9°	327.6	326.2	326.2	324.9	325.8
10°	317.7	316.8	315.9	315.0	314.6
11°	306.5	306.0	304.7	303.8	303.3
12°	297.1	294.8	293.9	292.6	293.5
13°	284.9	283.6	281.4	280.9	281.4
14°	274.6	271.9	270.1	269.2	268.8
15°	261.2	258.5	257.1	256.7	256.7
17.5°	231.1	229.3	225.7	225.7	225.7
20°	200.6	198.8	196.5	196.1	196.5
22.5°	174.1	171.0	167.4	167.8	170.5
25°	148.1	145.4	142.2	142.7	144.9
27.5°	126.1	122.5	119.4	120.3	121.6
30°	105.0	102.8	99.6	100.5	101.9
32.5°	87.1	85.7	82.1	83.0	84.4
35°	71.8	70.5	68.7	69.1	69.1
37.5°	57.4	57.4	57.0	56.5	56.1
40°	46.2	47.1	47.1	45.8	44.9
42.5°	37.7	38.6	39.5	37.7	36.3
45°	31.9	32.3	33.2	31.4	30.5
47.5°	27.8	27.8	28.7	27.4	26.9
50°	25.1	25.1	24.7	24.2	24.7
52.5°	22.9	22.4	22.0	22.4	22.4
55°	21.1	20.6	20.2	20.6	20.6
57.5°	19.7	19.3	18.8	18.8	19.3
60°	18.8	17.9	17.5	17.9	18.4
62.5°	17.9	16.6	16.2	16.6	17.5
65°	17.5	15.7	14.8	15.7	17.1
67.5°	17.1	14.8	13.5	14.8	16.6
70°	16.6	13.9	12.1	13.9	16.2
72.5°	16.2	13.0	11.2	13.0	16.2
75°	16.2	12.1	9.9	12.1	15.7
77.5°	15.3	11.2	8.5	11.2	14.8
80°	13.5	10.3	7.2	9.9	12.6
82.5°	9.9	9.0	5.4	8.5	9.4
85°	5.4	6.3	3.6	5.8	4.9
87.5°	0.9	1.3	0.9	2.7	1.8



TEST NUMBER: P1313096

CATALOG NUMBER: P3SQAS05R309730DE010 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)