

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: P1313900

Luminaire Tested: P3SQAS02R309735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313900
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: P3SQAS02R309735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

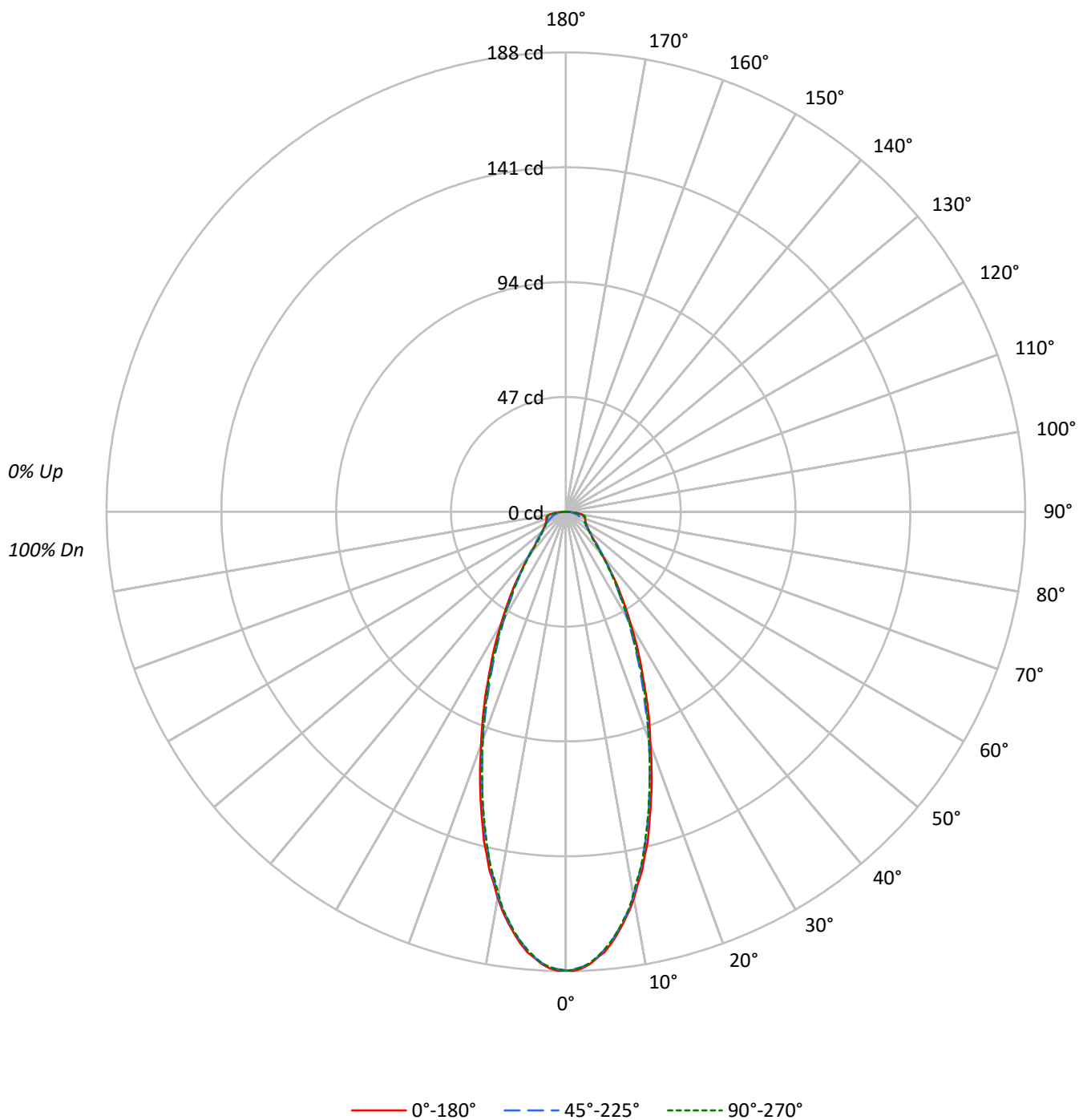
Lumens per Lamp: N/A
Luminaire Lumens: 148.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313900

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313900

CATALOG NUMBER: P3SQAS02R309735DE010 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°	32326	32326	32326
5°	31274	31118	31118
10°	28068	27911	27788
15°	23518	23161	23125
20°	18566	18199	18199
25°	14214	13663	13910
30°	10540	10003	10242
35°	7632	7296	7338
40°	5238	5351	5103
45°	3921	4092	3751
50°	3403	3349	3349
55°	3213	3063	3123
60°	3272	3031	3203
65°	3586	3056	3505
70°	4230	3072	4129
75°	5456	3327	5257
80°	6744	3570	6248
85°	5335	3557	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6744 cd/sqm

TEST NUMBER: P1313900

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	11.2
10°-20°	36.0	24.3
20°-30°	33.5	22.7
30°-40°	22.2	15.0
40°-50°	13.0	8.8
50°-60°	9.4	6.4
60°-70°	8.0	5.4
70°-80°	6.6	4.5
80°-90°	2.7	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°	86.1	58.2
0°-40°	108.3	73.2
0°-60°	130.7	88.3
0°-90°	148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	188	188	188	188	188	
5°	181	181	180	180	180	17
15°	132	131	130	130	130	36
25°	75	73	72	72	73	34
35°	36	36	35	35	35	23
45°	16	16	17	16	15	13
55°	11	10	10	10	10	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	8
85°	3	3	2	3	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1313900

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	187.7	187.7	187.7	187.7	187.7
1°	187.9	187.7	187.2	187.5	187.5
2°	187.0	186.8	186.5	186.5	186.5
3°	185.4	185.2	185.0	185.0	185.0
4°	183.1	182.9	182.9	182.7	182.7
5°	180.9	180.7	180.0	180.0	180.0
6°	177.7	177.5	177.0	176.8	176.8
7°	173.9	173.9	173.2	172.9	173.2
8°	169.8	169.5	169.1	168.9	168.9
9°	165.5	164.8	164.8	164.1	164.6
10°	160.5	160.0	159.6	159.1	158.9
11°	154.8	154.6	153.9	153.5	153.2
12°	150.1	148.9	148.5	147.8	148.2
13°	143.9	143.3	142.1	141.9	142.1
14°	138.7	137.4	136.5	136.0	135.8
15°	131.9	130.6	129.9	129.7	129.7
17.5°	116.7	115.8	114.0	114.0	114.0
20°	101.3	100.4	99.3	99.1	99.3
22.5°	87.9	86.4	84.5	84.8	86.1
25°	74.8	73.4	71.9	72.1	73.2
27.5°	63.7	61.9	60.3	60.7	61.4
30°	53.0	51.9	50.3	50.8	51.5
32.5°	44.0	43.3	41.5	41.9	42.6
35°	36.3	35.6	34.7	34.9	34.9
37.5°	29.0	29.0	28.8	28.6	28.3
40°	23.3	23.8	23.8	23.1	22.7
42.5°	19.0	19.5	19.9	19.0	18.4
45°	16.1	16.3	16.8	15.9	15.4
47.5°	14.1	14.1	14.5	13.8	13.6
50°	12.7	12.7	12.5	12.2	12.5
52.5°	11.6	11.3	11.1	11.3	11.3
55°	10.7	10.4	10.2	10.4	10.4
57.5°	10.0	9.7	9.5	9.5	9.7
60°	9.5	9.1	8.8	9.1	9.3
62.5°	9.1	8.4	8.2	8.4	8.8
65°	8.8	7.9	7.5	7.9	8.6
67.5°	8.6	7.5	6.8	7.5	8.4
70°	8.4	7.0	6.1	7.0	8.2
72.5°	8.2	6.6	5.7	6.6	8.2
75°	8.2	6.1	5.0	6.1	7.9
77.5°	7.7	5.7	4.3	5.7	7.5
80°	6.8	5.2	3.6	5.0	6.3
82.5°	5.0	4.5	2.7	4.3	4.8
85°	2.7	3.2	1.8	2.9	2.5
87.5°	0.5	0.7	0.5	1.4	0.9



TEST NUMBER: P1313900

CATALOG NUMBER: P3SQAS02R309735DE010 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)