

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: P1312894

Luminaire Tested: P3SQAS02R209730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

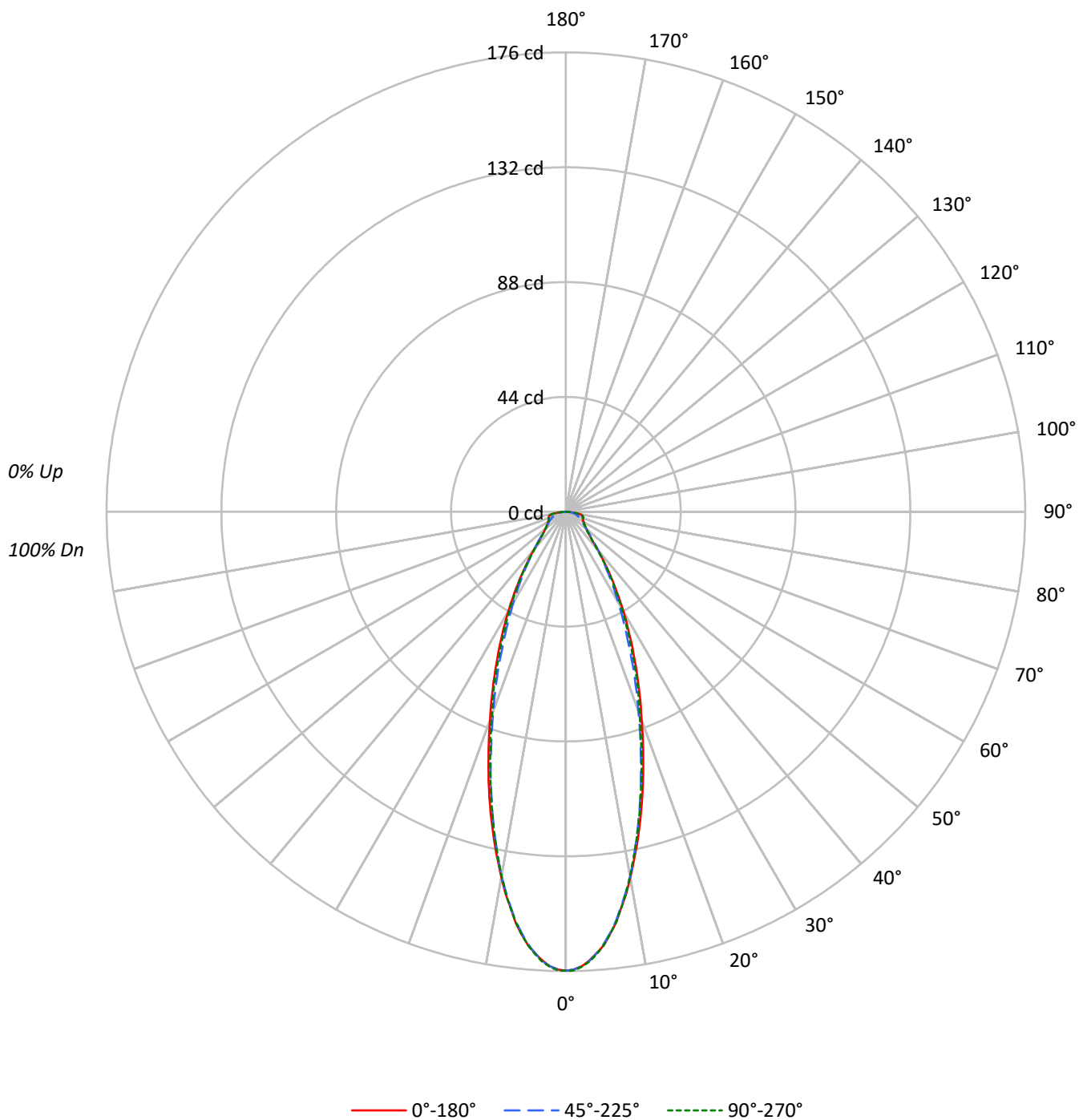
Lumens per Lamp: N/A
Luminaire Lumens: 124.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312894

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312894

CATALOG NUMBER: P3SQAS02R209730DE010 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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30277	30277	30277
5°	28819	28733	28819
10°	24868	24798	24763
15°	20183	19720	19791
20°	15560	14882	15157
25°	11820	10946	11478
30°	8770	7975	8511
35°	6202	5782	6097
40°	4272	4272	4159
45°	3142	3288	3142
50°	2760	2760	2760
55°	2612	2552	2612
60°	2721	2480	2721
65°	2934	2486	2934
70°	3525	2518	3525
75°	4525	2728	4525
80°	5653	2777	5455
85°	4347	2569	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5653 cd/sqm

TEST NUMBER: P1312894

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	12.2
10°-20°	30.8	24.8
20°-30°	27.5	22.2
30°-40°	18.0	14.6
40°-50°	10.5	8.5
50°-60°	7.8	6.3
60°-70°	6.6	5.3
70°-80°	5.4	4.4
80°-90°	2.3	1.8
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°	73.4	59.2
0°-40°	91.4	73.7
0°-60°	109.7	88.5
0°-90°	124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	176	176	176	176	176	
5°	167	166	166	166	167	15
15°	113	112	111	111	111	31
25°	62	60	58	59	60	29
35°	30	29	28	28	29	19
45°	13	13	14	13	13	10
55°	9	8	8	8	9	8
65°	7	6	6	6	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1312894

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	175.8	175.8	175.8	175.8	175.8
1°	175.4	175.6	175.4	175.6	175.8
2°	174.3	174.5	174.3	174.3	174.5
3°	172.1	172.3	172.3	172.3	172.6
4°	169.5	169.7	169.5	169.7	169.9
5°	166.7	166.5	166.2	166.5	166.7
6°	162.7	162.5	162.3	162.5	162.7
7°	158.4	158.2	157.9	157.9	158.2
8°	152.9	153.1	152.5	152.9	153.1
9°	148.1	147.7	147.3	147.3	147.7
10°	142.2	141.8	141.8	141.6	141.6
12.5°	127.8	127.0	126.3	126.3	126.5
15°	113.2	112.1	110.6	110.8	111.0
17.5°	98.6	97.3	95.3	95.8	96.2
20°	84.9	83.6	81.2	82.0	82.7
22.5°	73.1	71.1	68.9	69.6	71.8
25°	62.2	60.4	57.6	59.1	60.4
27.5°	52.6	50.6	48.2	49.7	51.0
30°	44.1	42.3	40.1	41.4	42.8
32.5°	36.4	34.9	33.4	34.3	35.3
35°	29.5	28.6	27.5	28.4	29.0
37.5°	23.8	23.3	22.9	23.3	23.1
40°	19.0	19.2	19.0	19.0	18.5
42.5°	15.1	15.7	15.9	15.5	15.1
45°	12.9	13.1	13.5	13.1	12.9
47.5°	11.3	11.3	11.6	11.3	11.1
50°	10.3	10.3	10.3	10.3	10.3
52.5°	9.4	9.4	9.2	9.4	9.4
55°	8.7	8.5	8.5	8.5	8.7
57.5°	8.3	8.1	7.9	8.1	8.3
60°	7.9	7.4	7.2	7.4	7.9
62.5°	7.4	7.0	6.8	7.0	7.4
65°	7.2	6.5	6.1	6.5	7.2
67.5°	7.0	6.1	5.7	6.1	7.2
70°	7.0	5.7	5.0	5.9	7.0
72.5°	6.8	5.5	4.6	5.5	6.8
75°	6.8	5.0	4.1	5.0	6.8
77.5°	6.3	4.6	3.5	4.6	6.3
80°	5.7	4.1	2.8	4.1	5.5
82.5°	4.1	3.5	2.2	3.5	4.1
85°	2.2	2.4	1.3	2.4	2.4
87.5°	0.2	0.9	0.4	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)