

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: P1316656

Luminaire Tested: P3SQAS02R209830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316656
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: P3SQAS02R209830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

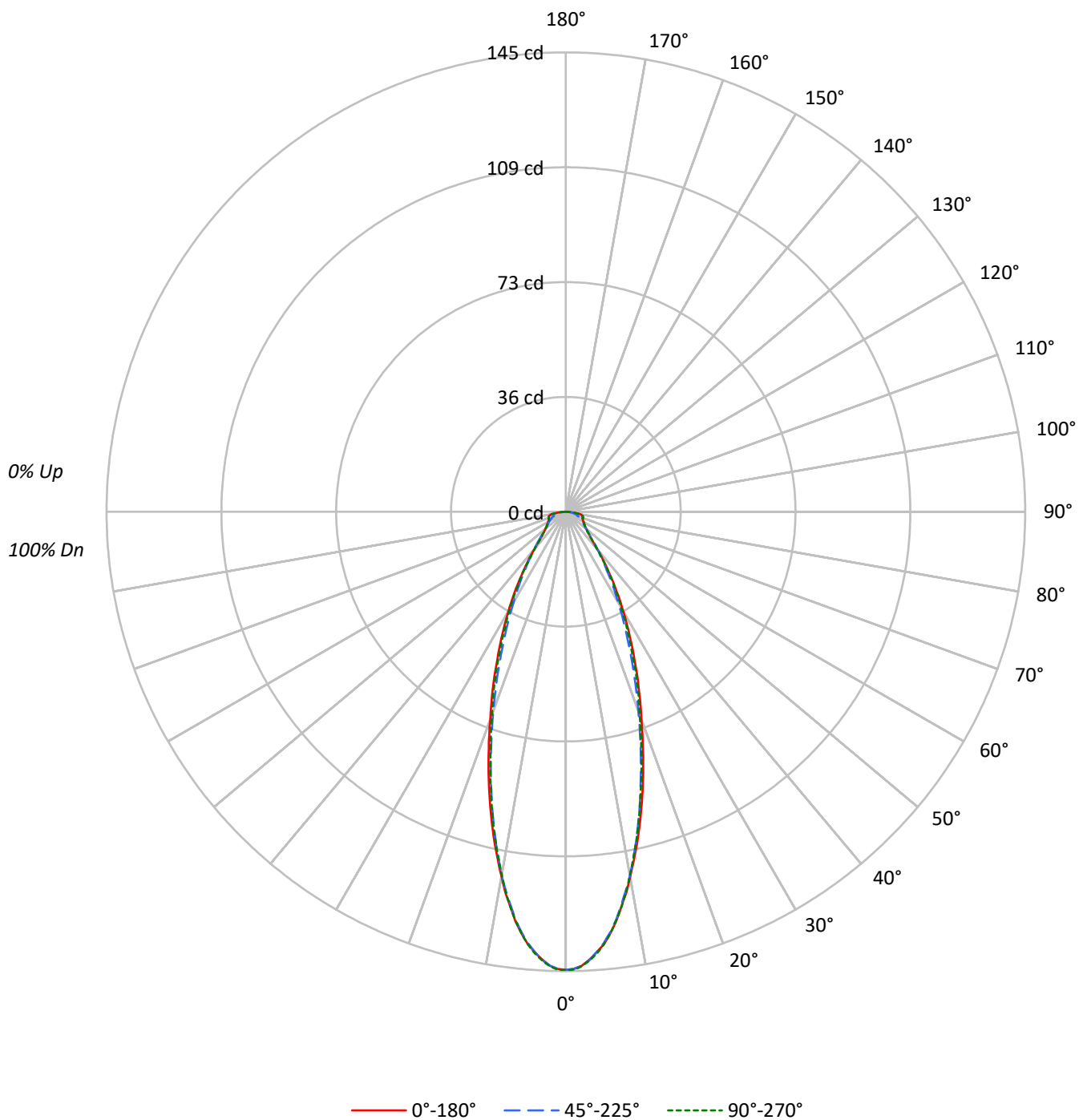
Lumens per Lamp: N/A
Luminaire Lumens: 102.0 lumens
Efficiency: N/A
Efficacy: 28.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316656

CATALOG NUMBER: P3SQAS02R209830DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316656

CATALOG NUMBER: P3SQAS02R209830DE010 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°	24903	24903	24903
5°	23702	23633	23702
10°	20461	20391	20373
15°	16600	16225	16279
20°	12793	12243	12463
25°	9710	9007	9444
30°	7199	6563	7000
35°	5088	4752	5025
40°	3507	3507	3440
45°	2582	2704	2582
50°	2251	2251	2251
55°	2162	2102	2162
60°	2239	2032	2239
65°	2404	2038	2404
70°	2870	2065	2870
75°	3726	2262	3726
80°	4661	2281	4463
85°	3557	2174	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4661 cd/sqm

TEST NUMBER: P1316656

CATALOG NUMBER: P3SQAS02R209830DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	12.2
10°-20°	25.3	24.8
20°-30°	22.6	22.2
30°-40°	14.8	14.6
40°-50°	8.6	8.5
50°-60°	6.4	6.3
60°-70°	5.4	5.3
70°-80°	4.5	4.4
80°-90°	1.9	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°	60.4	59.2
0°-40°	75.2	73.7
0°-60°	90.2	88.5
0°-90°	102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	145	145	145	145	145	
5°	137	137	137	137	137	12
15°	93	92	91	91	91	26
25°	51	50	47	49	50	24
35°	24	24	23	23	24	15
45°	11	11	11	11	11	9
55°	7	7	7	7	7	7
65°	6	5	5	5	6	6
75°	6	4	3	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1316656

CATALOG NUMBER: P3SQAS02R209830DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	144.6	144.6	144.6	144.6	144.6
1°	144.3	144.5	144.3	144.5	144.6
2°	143.4	143.6	143.4	143.4	143.6
3°	141.6	141.8	141.8	141.8	141.9
4°	139.4	139.6	139.4	139.6	139.8
5°	137.1	136.9	136.7	136.9	137.1
6°	133.9	133.7	133.5	133.7	133.9
7°	130.3	130.1	129.9	129.9	130.1
8°	125.8	126.0	125.4	125.8	126.0
9°	121.8	121.5	121.1	121.1	121.5
10°	117.0	116.6	116.6	116.5	116.5
12.5°	105.2	104.4	103.9	103.9	104.1
15°	93.1	92.2	91.0	91.2	91.3
17.5°	81.1	80.0	78.4	78.8	79.1
20°	69.8	68.7	66.8	67.5	68.0
22.5°	60.1	58.5	56.7	57.2	59.0
25°	51.1	49.7	47.4	48.6	49.7
27.5°	43.2	41.6	39.7	40.9	42.0
30°	36.2	34.8	33.0	34.1	35.2
32.5°	30.0	28.7	27.5	28.2	29.1
35°	24.2	23.5	22.6	23.3	23.9
37.5°	19.6	19.2	18.8	19.2	19.0
40°	15.6	15.8	15.6	15.6	15.3
42.5°	12.4	12.9	13.1	12.7	12.4
45°	10.6	10.8	11.1	10.8	10.6
47.5°	9.3	9.3	9.5	9.3	9.2
50°	8.4	8.4	8.4	8.4	8.4
52.5°	7.7	7.7	7.5	7.7	7.7
55°	7.2	7.0	7.0	7.0	7.2
57.5°	6.8	6.6	6.5	6.6	6.8
60°	6.5	6.1	5.9	6.1	6.5
62.5°	6.1	5.7	5.6	5.7	6.1
65°	5.9	5.4	5.0	5.4	5.9
67.5°	5.7	5.0	4.7	5.0	5.9
70°	5.7	4.7	4.1	4.8	5.7
72.5°	5.6	4.5	3.8	4.5	5.6
75°	5.6	4.1	3.4	4.1	5.6
77.5°	5.2	3.8	2.9	3.8	5.2
80°	4.7	3.4	2.3	3.4	4.5
82.5°	3.4	2.9	1.8	2.9	3.4
85°	1.8	2.0	1.1	2.0	2.0
87.5°	0.2	0.7	0.4	1.1	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)