

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: P1310826

Luminaire Tested: P3SQAS02R209050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310826
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: P3SQAS02R209050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

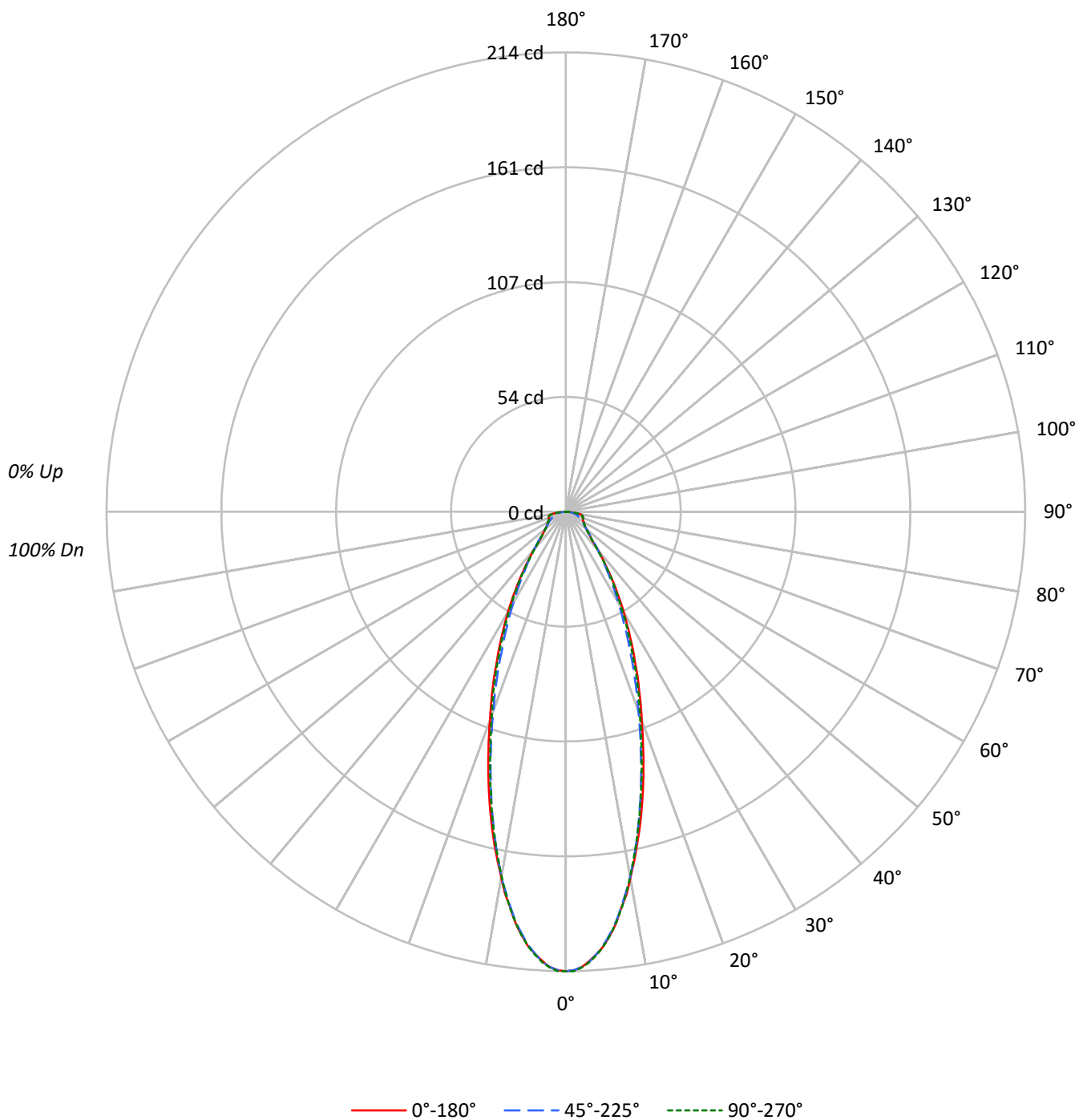
Lumens per Lamp: N/A
Luminaire Lumens: 151.0 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310826

CATALOG NUMBER: P3SQAS02R209050DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310826

CATALOG NUMBER: P3SQAS02R209050DE010 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	64		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		58	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°	36873	36873	36873
5°	35095	34991	35095
10°	30289	30202	30149
15°	24587	24017	24106
20°	18932	18108	18456
25°	14385	13321	13986
30°	10679	9725	10361
35°	7548	7043	7422
40°	5193	5193	5081
45°	3824	4019	3824
50°	3349	3349	3349
55°	3183	3123	3183
60°	3307	3031	3307
65°	3586	3016	3586
70°	4280	3072	4280
75°	5456	3327	5456
80°	6843	3471	6546
85°	5335	3162	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6843 cd/sqm

TEST NUMBER: P1310826

CATALOG NUMBER: P3SQAS02R209050DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	12.2
10°-20°	37.5	24.8
20°-30°	33.5	22.2
30°-40°	22.0	14.6
40°-50°	12.8	8.5
50°-60°	9.5	6.3
60°-70°	8.0	5.3
70°-80°	6.6	4.4
80°-90°	2.8	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°	89.4	59.2
0°-40°	111.3	73.7
0°-60°	133.6	88.5
0°-90°	151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	203	203	202	203	203	18
15°	138	136	135	135	135	38
25°	76	74	70	72	74	35
35°	36	35	34	34	35	23
45°	16	16	16	16	16	13
55°	11	10	10	10	11	10
65°	9	8	7	8	9	9
75°	8	6	5	6	8	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

TEST NUMBER: P1310826

CATALOG NUMBER: P3SQAS02R209050DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	214.1	214.1	214.1	214.1	214.1
1°	213.6	213.9	213.6	213.9	214.1
2°	212.3	212.5	212.3	212.3	212.5
3°	209.6	209.9	209.9	209.9	210.1
4°	206.4	206.7	206.4	206.7	206.9
5°	203.0	202.7	202.4	202.7	203.0
6°	198.2	197.9	197.6	197.9	198.2
7°	192.9	192.6	192.3	192.3	192.6
8°	186.2	186.5	185.7	186.2	186.5
9°	180.4	179.8	179.3	179.3	179.8
10°	173.2	172.7	172.7	172.4	172.4
12.5°	155.7	154.6	153.8	153.8	154.1
15°	137.9	136.5	134.7	135.0	135.2
17.5°	120.1	118.5	116.1	116.6	117.2
20°	103.3	101.7	98.8	99.9	100.7
22.5°	89.0	86.6	83.9	84.7	87.4
25°	75.7	73.6	70.1	72.0	73.6
27.5°	64.0	61.6	58.7	60.6	62.2
30°	53.7	51.5	48.9	50.5	52.1
32.5°	44.4	42.5	40.6	41.7	43.0
35°	35.9	34.8	33.5	34.5	35.3
37.5°	29.0	28.4	27.9	28.4	28.2
40°	23.1	23.4	23.1	23.1	22.6
42.5°	18.3	19.1	19.4	18.9	18.3
45°	15.7	15.9	16.5	15.9	15.7
47.5°	13.8	13.8	14.1	13.8	13.5
50°	12.5	12.5	12.5	12.5	12.5
52.5°	11.4	11.4	11.2	11.4	11.4
55°	10.6	10.4	10.4	10.4	10.6
57.5°	10.1	9.8	9.6	9.8	10.1
60°	9.6	9.0	8.8	9.0	9.6
62.5°	9.0	8.5	8.2	8.5	9.0
65°	8.8	8.0	7.4	8.0	8.8
67.5°	8.5	7.4	6.9	7.4	8.8
70°	8.5	6.9	6.1	7.2	8.5
72.5°	8.2	6.6	5.6	6.6	8.2
75°	8.2	6.1	5.0	6.1	8.2
77.5°	7.7	5.6	4.3	5.6	7.7
80°	6.9	5.0	3.5	5.0	6.6
82.5°	5.0	4.3	2.7	4.3	5.0
85°	2.7	2.9	1.6	2.9	2.9
87.5°	0.3	1.1	0.5	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)