

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: P1307490

Luminaire Tested: P3SQAS02R209030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209030DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

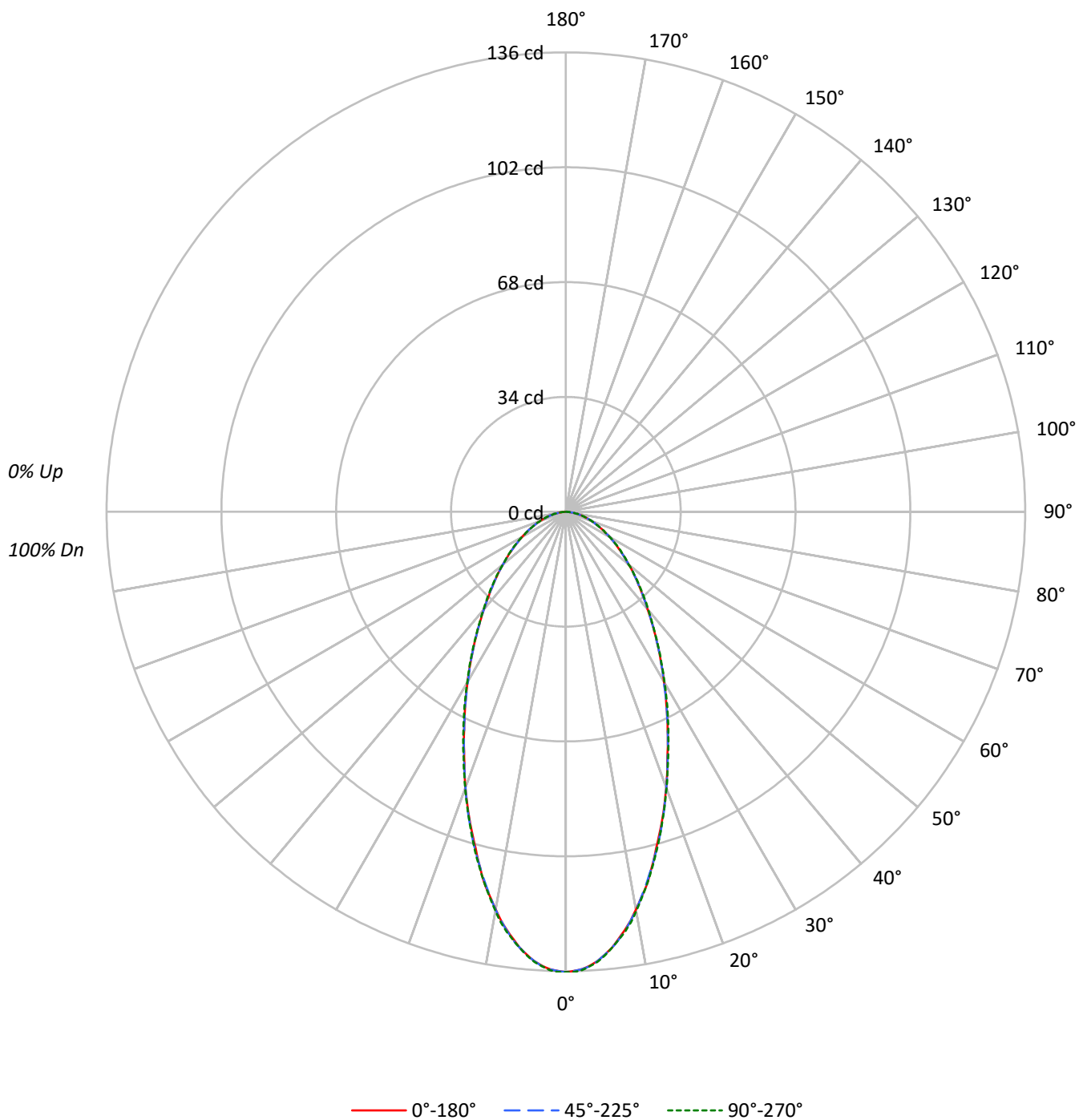
Lumens per Lamp: N/A
Luminaire Lumens: 163.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307490

CATALOG NUMBER: P3SQAS02R209030DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307490

CATALOG NUMBER: P3SQAS02R209030DE010 E3SQPHLD1MW

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23474	23474	23474
5°	22768	22768	22803
10°	20898	20933	20986
15°	18400	18490	18525
20°	15927	15927	15963
25°	13549	13549	13644
30°	11574	11514	11614
35°	9882	9882	9924
40°	8476	8476	8543
45°	7404	7404	7477
50°	6511	6511	6511
55°	5765	5765	5855
60°	5201	5201	5201
65°	4646	4646	4646
70°	4179	4179	4179
75°	3726	3593	3726
80°	3174	3174	3174
85°	1976	1976	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7477 cd/sqm

TEST NUMBER: P1307490

CATALOG NUMBER: P3SQAS02R209030DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	7.5
10°-20°	28.9	17.7
20°-30°	32.8	20.2
30°-40°	29.5	18.1
40°-50°	23.6	14.5
50°-60°	17.4	10.7
60°-70°	11.3	7.0
70°-80°	5.9	3.6
80°-90°	1.4	0.8
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°	73.9	45.3
0°-40°	103.4	63.4
0°-60°	144.4	88.6
0°-90°	163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	136	136	136	136	136	
5°	132	132	132	132	132	12
15°	103	103	104	104	104	29
25°	71	71	71	72	72	33
35°	47	47	47	47	47	29
45°	30	30	30	30	31	24
55°	19	19	19	19	20	17
65°	11	11	11	11	11	11
75°	6	5	5	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1307490

CATALOG NUMBER: P3SQAS02R209030DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	136.3	136.3	136.3	136.3	136.3
1°	136.0	135.8	136.0	136.0	136.3
2°	135.5	135.5	135.5	135.3	135.8
3°	134.6	134.6	134.8	134.6	134.8
4°	133.4	133.4	133.4	133.1	133.6
5°	131.7	131.7	131.7	131.7	131.9
6°	129.9	129.7	129.9	129.7	129.9
7°	127.5	127.5	127.8	127.5	127.8
8°	125.1	124.8	125.3	125.1	125.6
9°	122.6	122.4	122.6	122.4	123.1
10°	119.5	119.7	119.7	119.7	120.0
12.5°	112.2	111.7	111.7	111.7	112.2
15°	103.2	103.2	103.7	103.7	103.9
17.5°	95.1	94.9	95.4	95.4	95.4
20°	86.9	86.6	86.9	86.9	87.1
22.5°	78.6	78.8	78.8	78.8	79.1
25°	71.3	71.3	71.3	71.5	71.8
27.5°	64.5	64.2	64.5	64.7	65.0
30°	58.2	57.9	57.9	58.2	58.4
32.5°	52.3	52.1	52.3	52.3	52.6
35°	47.0	47.0	47.0	47.0	47.2
37.5°	42.1	42.1	42.1	42.3	42.3
40°	37.7	37.7	37.7	38.0	38.0
42.5°	33.8	33.8	33.8	34.1	34.3
45°	30.4	30.4	30.4	30.4	30.7
47.5°	27.3	27.3	27.3	27.5	27.5
50°	24.3	24.1	24.3	24.6	24.3
52.5°	21.7	21.7	21.7	21.7	21.9
55°	19.2	19.2	19.2	19.2	19.5
57.5°	17.0	17.0	17.0	17.3	17.3
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.1	13.1	13.1	13.1	13.1
65°	11.4	11.2	11.4	11.4	11.4
67.5°	9.7	9.7	9.7	9.7	9.7
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.6	5.4	5.4	5.6	5.6
77.5°	4.4	4.1	4.4	4.4	4.4
80°	3.2	3.2	3.2	3.2	3.2
82.5°	1.9	1.9	1.9	2.2	2.2
85°	1.0	1.0	1.0	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)