

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: P1312246

Luminaire Tested: P3SQAS09R209727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312246
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: P3SQAS09R209727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

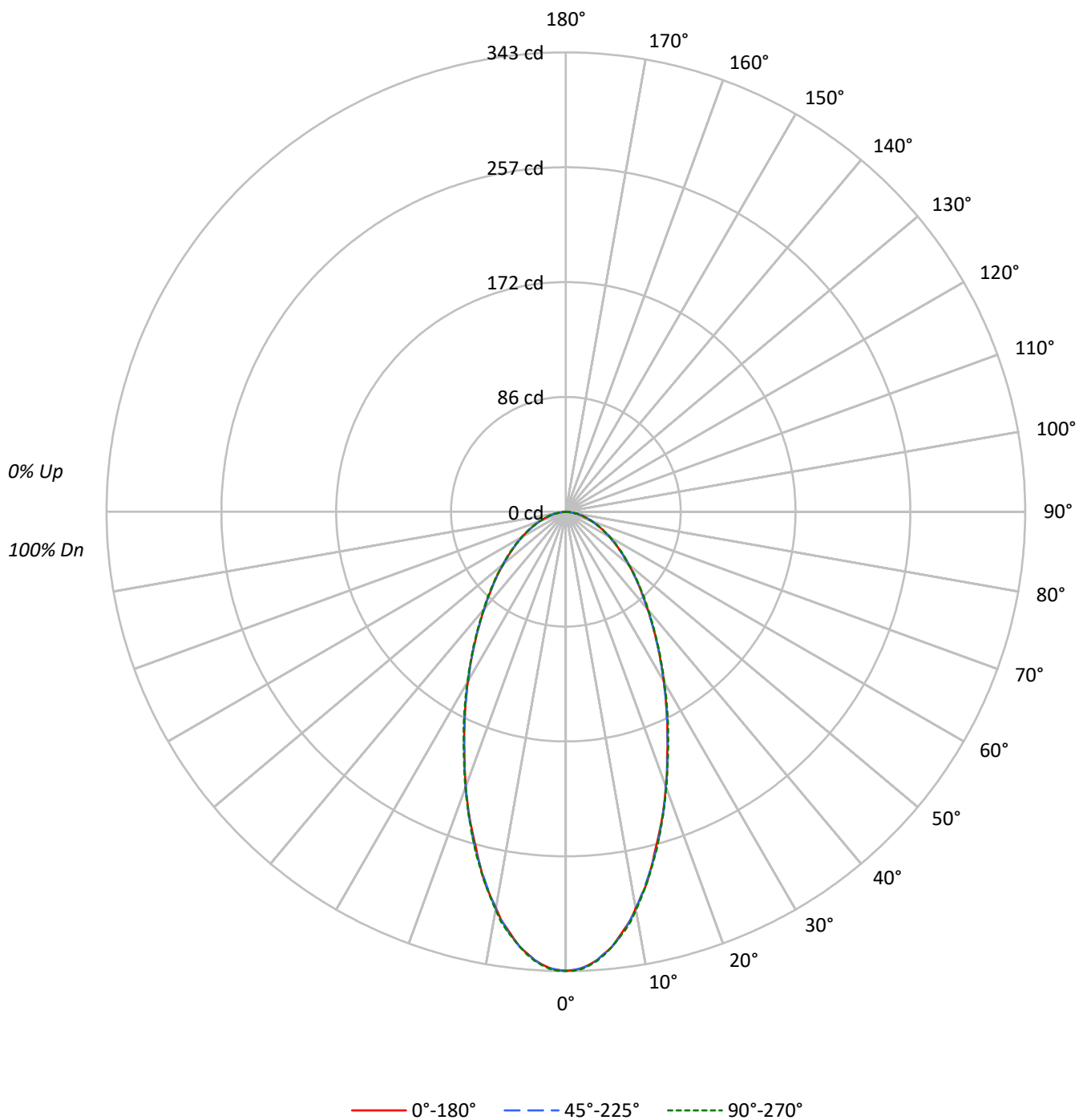
Lumens per Lamp: N/A
Luminaire Lumens: 410.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1312246

CATALOG NUMBER: P3SQAS09R209727DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312246

CATALOG NUMBER: P3SQAS09R209727DE010 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	45	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°	59038	59038	59038
5°	57241	57241	57362
10°	52551	52674	52779
15°	46268	46500	46607
20°	40046	40046	40156
25°	34072	34072	34319
30°	29094	28975	29213
35°	24830	24830	24956
40°	21335	21335	21470
45°	18632	18632	18778
50°	16397	16397	16397
55°	14533	14533	14713
60°	13089	13089	13089
65°	11736	11736	11736
70°	10474	10474	10474
75°	9382	8983	9382
80°	7934	7934	7934
85°	4742	4742	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18778 cd/sqm

TEST NUMBER: P1312246

CATALOG NUMBER: P3SQAS09R209727DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	7.5
10°-20°	72.6	17.7
20°-30°	82.6	20.2
30°-40°	74.2	18.1
40°-50°	59.5	14.5
50°-60°	43.7	10.7
60°-70°	28.6	7.0
70°-80°	14.8	3.6
80°-90°	3.4	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°	185.9	45.3
0°-40°	260.1	63.4
0°-60°	363.2	88.6
0°-90°	410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	331	331	331	331	332	31
15°	260	260	261	261	261	73
25°	179	179	179	180	181	83
35°	118	118	118	118	119	74
45°	76	76	76	76	77	59
55°	48	48	48	48	49	44
65°	29	28	29	29	29	29
75°	14	14	14	14	14	15
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

TEST NUMBER: P1312246

CATALOG NUMBER: P3SQAS09R209727DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	342.8	342.8	342.8	342.8	342.8
1°	342.2	341.6	342.2	342.2	342.8
2°	340.9	340.9	340.9	340.3	341.6
3°	338.5	338.5	339.1	338.5	339.1
4°	335.4	335.4	335.4	334.8	336.0
5°	331.1	331.1	331.1	331.1	331.8
6°	326.9	326.3	326.9	326.3	326.9
7°	320.7	320.7	321.4	320.7	321.4
8°	314.6	314.0	315.2	314.6	315.8
9°	308.5	307.9	308.5	307.9	309.7
10°	300.5	301.2	301.2	301.2	301.8
12.5°	282.2	281.0	281.0	281.0	282.2
15°	259.5	259.5	260.8	260.8	261.4
17.5°	239.3	238.7	239.9	239.9	239.9
20°	218.5	217.9	218.5	218.5	219.1
22.5°	197.7	198.3	198.3	198.3	198.9
25°	179.3	179.3	179.3	180.0	180.6
27.5°	162.2	161.6	162.2	162.8	163.4
30°	146.3	145.7	145.7	146.3	146.9
32.5°	131.6	131.0	131.6	131.6	132.2
35°	118.1	118.1	118.1	118.1	118.7
37.5°	105.9	105.9	105.9	106.5	106.5
40°	94.9	94.9	94.9	95.5	95.5
42.5°	85.1	85.1	85.1	85.7	86.3
45°	76.5	76.5	76.5	76.5	77.1
47.5°	68.6	68.6	68.6	69.2	69.2
50°	61.2	60.6	61.2	61.8	61.2
52.5°	54.5	54.5	54.5	54.5	55.1
55°	48.4	48.4	48.4	48.4	49.0
57.5°	42.8	42.8	42.8	43.5	43.5
60°	38.0	38.0	38.0	38.0	38.0
62.5°	33.1	33.1	33.1	33.1	33.1
65°	28.8	28.2	28.8	28.8	28.8
67.5°	24.5	24.5	24.5	24.5	24.5
70°	20.8	20.8	20.8	20.8	20.8
72.5°	17.1	17.1	17.1	17.1	17.1
75°	14.1	13.5	13.5	14.1	14.1
77.5°	11.0	10.4	11.0	11.0	11.0
80°	8.0	8.0	8.0	8.0	8.0
82.5°	4.9	4.9	4.9	5.5	5.5
85°	2.4	2.4	2.4	3.1	3.1
87.5°	0.6	0.6	0.6	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)