

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: P1310825

Luminaire Tested: P3SQAS02R209050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310825
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: P3SQAS02R209050DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

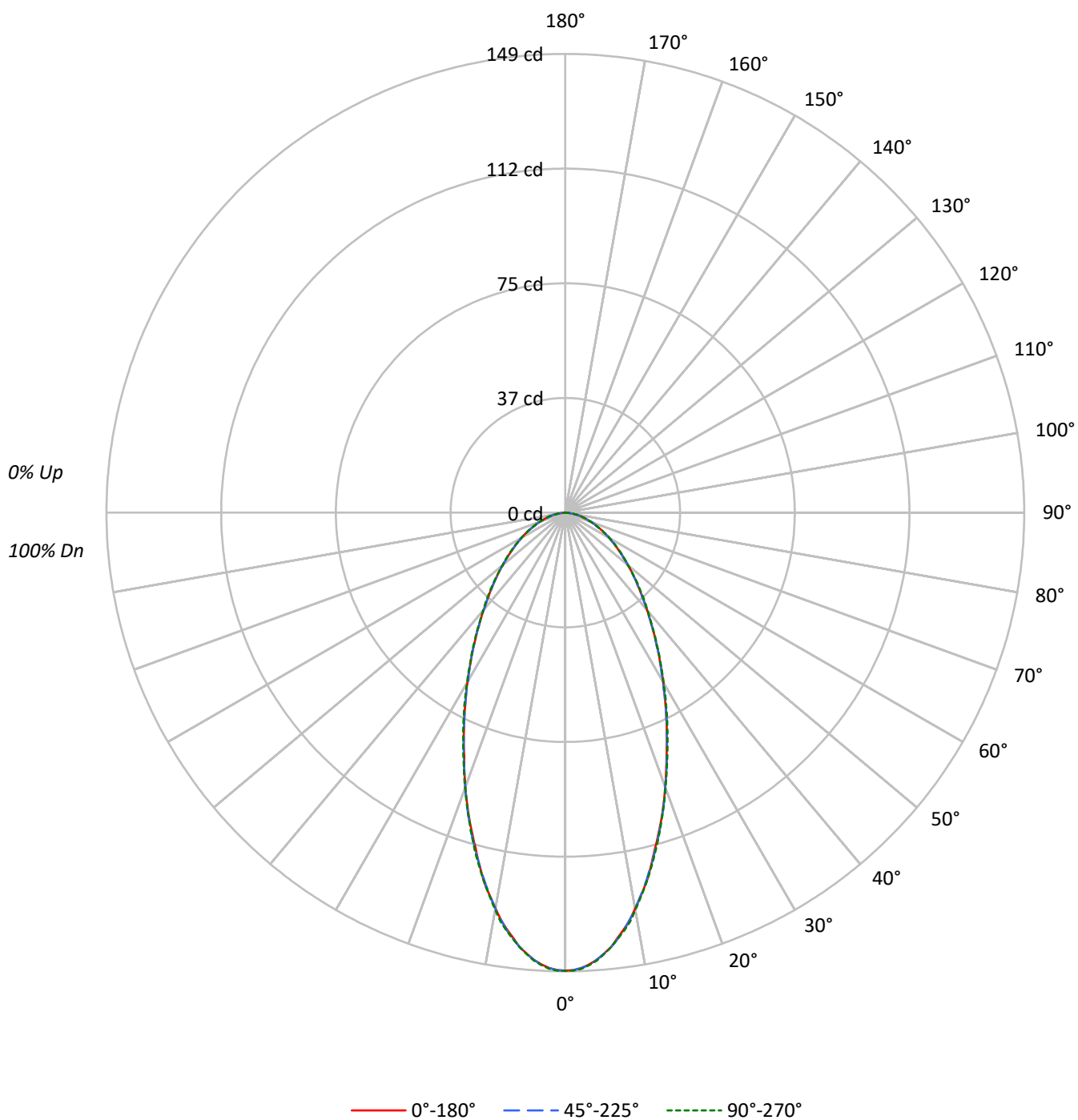
Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310825

CATALOG NUMBER: P3SQAS02R209050DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



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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°	25627	25627	25627
5°	24860	24860	24895
10°	22822	22857	22909
15°	20094	20183	20237
20°	17393	17393	17430
25°	14803	14803	14898
30°	12628	12568	12688
35°	10786	10786	10849
40°	9263	9263	9330
45°	8086	8086	8159
50°	7127	7127	7127
55°	6305	6305	6396
60°	5683	5683	5683
65°	5094	5094	5094
70°	4532	4532	4532
75°	4059	3859	4059
80°	3471	3471	3471
85°	2174	2174	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8159 cd/sqm

TEST NUMBER: P1310825

CATALOG NUMBER: P3SQAS02R209050DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	7.5
10°-20°	31.5	17.7
20°-30°	35.9	20.2
30°-40°	32.2	18.1
40°-50°	25.8	14.5
50°-60°	19.0	10.7
60°-70°	12.4	7.0
70°-80°	6.4	3.6
80°-90°	1.5	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°	80.7	45.3
0°-40°	112.9	63.4
0°-60°	157.7	88.6
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	149	149	149	149	149	
5°	144	144	144	144	144	13
15°	113	113	113	113	114	31
25°	78	78	78	78	78	36
35°	51	51	51	51	52	32
45°	33	33	33	33	34	26
55°	21	21	21	21	21	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	148.8	148.8	148.8	148.8	148.8
1°	148.6	148.3	148.6	148.6	148.8
2°	148.0	148.0	148.0	147.8	148.3
3°	147.0	147.0	147.2	147.0	147.2
4°	145.6	145.6	145.6	145.4	145.9
5°	143.8	143.8	143.8	143.8	144.0
6°	141.9	141.6	141.9	141.6	141.9
7°	139.2	139.2	139.5	139.2	139.5
8°	136.6	136.3	136.9	136.6	137.1
9°	133.9	133.7	133.9	133.7	134.5
10°	130.5	130.7	130.7	130.7	131.0
12.5°	122.5	122.0	122.0	122.0	122.5
15°	112.7	112.7	113.2	113.2	113.5
17.5°	103.9	103.6	104.2	104.2	104.2
20°	94.9	94.6	94.9	94.9	95.1
22.5°	85.8	86.1	86.1	86.1	86.4
25°	77.9	77.9	77.9	78.1	78.4
27.5°	70.4	70.2	70.4	70.7	71.0
30°	63.5	63.2	63.2	63.5	63.8
32.5°	57.1	56.9	57.1	57.1	57.4
35°	51.3	51.3	51.3	51.3	51.6
37.5°	46.0	46.0	46.0	46.2	46.2
40°	41.2	41.2	41.2	41.5	41.5
42.5°	36.9	36.9	36.9	37.2	37.5
45°	33.2	33.2	33.2	33.2	33.5
47.5°	29.8	29.8	29.8	30.0	30.0
50°	26.6	26.3	26.6	26.8	26.6
52.5°	23.7	23.7	23.7	23.7	23.9
55°	21.0	21.0	21.0	21.0	21.3
57.5°	18.6	18.6	18.6	18.9	18.9
60°	16.5	16.5	16.5	16.5	16.5
62.5°	14.4	14.4	14.4	14.4	14.4
65°	12.5	12.2	12.5	12.5	12.5
67.5°	10.6	10.6	10.6	10.6	10.6
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.4	7.4	7.4	7.4	7.4
75°	6.1	5.8	5.8	6.1	6.1
77.5°	4.8	4.5	4.8	4.8	4.8
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.1	2.1	2.1	2.4	2.4
85°	1.1	1.1	1.1	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)