

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: P1317531

Luminaire Tested: P3SQAS02R209835DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317531
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: P3SQAS02R209835DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

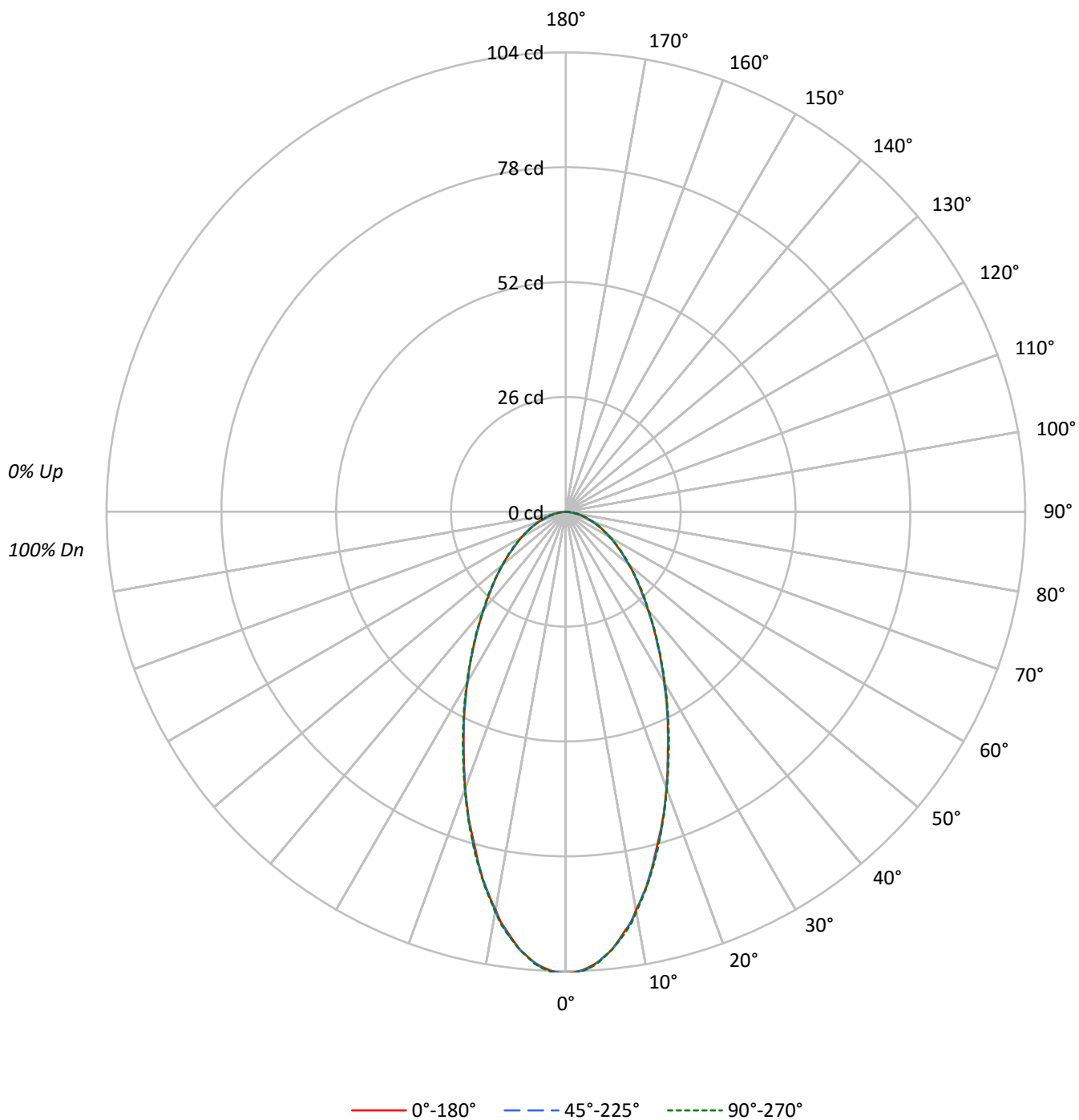
Lumens per Lamp: N/A
Luminaire Lumens: 125.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	17997	17997	17997
5°	17461	17461	17478
10°	16019	16054	16089
15°	14103	14175	14210
20°	12206	12206	12243
25°	10394	10394	10470
30°	8869	8830	8909
35°	7569	7569	7611
40°	6497	6497	6542
45°	5675	5675	5724
50°	5010	5010	5010
55°	4414	4414	4474
60°	3996	3996	3996
65°	3586	3586	3586
70°	3172	3172	3172
75°	2861	2728	2861
80°	2380	2380	2380
85°	1383	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	7.5
10°-20°	22.1	17.7
20°-30°	25.2	20.2
30°-40°	22.6	18.1
40°-50°	18.1	14.5
50°-60°	13.3	10.7
60°-70°	8.7	7.0
70°-80°	4.5	3.6
80°-90°	1.0	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°	56.7	45.3
0°-40°	79.3	63.4
0°-60°	110.7	88.6
0°-90°	125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	104	104	104	104	104	
5°	101	101	101	101	101	9
15°	79	79	80	80	80	22
25°	55	55	55	55	55	25
35°	36	36	36	36	36	23
45°	23	23	23	23	24	18
55°	15	15	15	15	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
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°	104.5	104.5	104.5	104.5	104.5
1°	104.3	104.1	104.3	104.3	104.5
2°	103.9	103.9	103.9	103.8	104.1
3°	103.2	103.2	103.4	103.2	103.4
4°	102.3	102.3	102.3	102.1	102.5
5°	101.0	101.0	101.0	101.0	101.1
6°	99.7	99.5	99.7	99.5	99.7
7°	97.8	97.8	98.0	97.8	98.0
8°	95.9	95.7	96.1	95.9	96.3
9°	94.1	93.9	94.1	93.9	94.4
10°	91.6	91.8	91.8	91.8	92.0
12.5°	86.0	85.7	85.7	85.7	86.0
15°	79.1	79.1	79.5	79.5	79.7
17.5°	73.0	72.8	73.2	73.2	73.2
20°	66.6	66.4	66.6	66.6	66.8
22.5°	60.3	60.5	60.5	60.5	60.7
25°	54.7	54.7	54.7	54.9	55.1
27.5°	49.5	49.3	49.5	49.6	49.8
30°	44.6	44.4	44.4	44.6	44.8
32.5°	40.1	39.9	40.1	40.1	40.3
35°	36.0	36.0	36.0	36.0	36.2
37.5°	32.3	32.3	32.3	32.5	32.5
40°	28.9	28.9	28.9	29.1	29.1
42.5°	25.9	25.9	25.9	26.1	26.3
45°	23.3	23.3	23.3	23.3	23.5
47.5°	20.9	20.9	20.9	21.1	21.1
50°	18.7	18.5	18.7	18.8	18.7
52.5°	16.6	16.6	16.6	16.6	16.8
55°	14.7	14.7	14.7	14.7	14.9
57.5°	13.1	13.1	13.1	13.2	13.2
60°	11.6	11.6	11.6	11.6	11.6
62.5°	10.1	10.1	10.1	10.1	10.1
65°	8.8	8.6	8.8	8.8	8.8
67.5°	7.5	7.5	7.5	7.5	7.5
70°	6.3	6.3	6.3	6.3	6.3
72.5°	5.2	5.2	5.2	5.2	5.2
75°	4.3	4.1	4.1	4.3	4.3
77.5°	3.4	3.2	3.4	3.4	3.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.5	1.5	1.5	1.7	1.7
85°	0.7	0.7	0.7	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)