

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: P1309483

Luminaire Tested: P3SQAS20R509035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R509035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

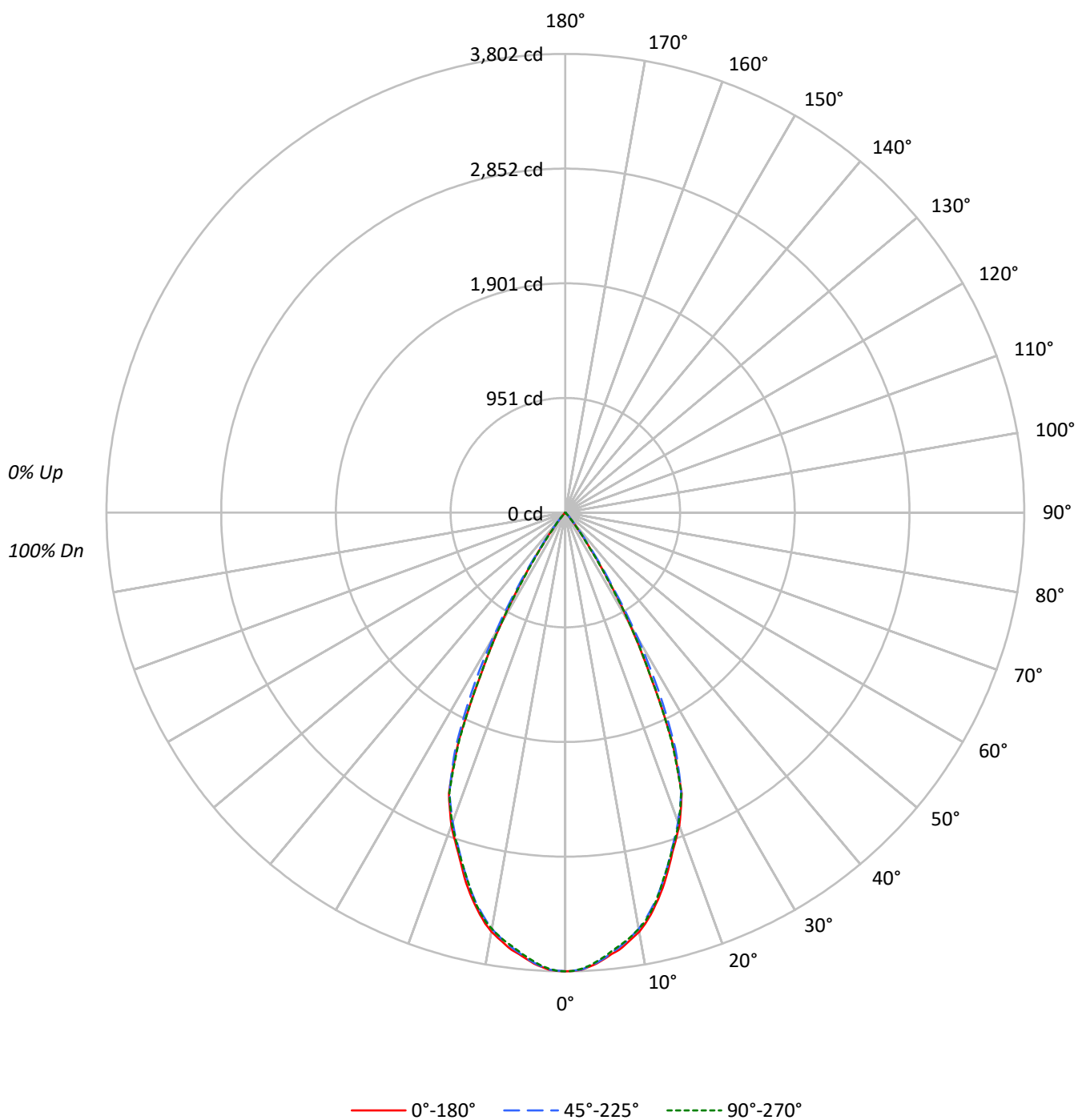
Lumens per Lamp: N/A
Luminaire Lumens: 2449.9 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	654739	654739	654739
5°	641905	640712	638897
10°	616782	612533	612830
15°	566203	560943	560319
20°	505840	500415	502963
25°	397574	409127	394267
30°	212707	238301	213383
35°	69465	81176	65449
40°	17199	21515	16412
45°	2119	7623	2119
50°	1393	2331	1393
55°	1561	1561	1561
60°	1206	1206	1206
65°	1426	1426	1426
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.6	14.2
10°-20°	879.2	35.9
20°-30°	924.7	37.7
30°-40°	266.5	10.9
40°-50°	21.7	0.9
50°-60°	4.7	0.2
60°-70°	3.3	0.1
70°-80°	1.8	0.1
80°-90°	0.5	0.0
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°	2151.5	87.8
0°-40°	2418.0	98.7
0°-60°	2444.3	99.8
0°-90°	2449.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2449.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3802	3802	3802	3802	3802	
5°	3713	3711	3706	3710	3696	349
15°	3176	3155	3146	3146	3143	884
25°	2092	2144	2153	2129	2075	907
35°	330	343	386	330	311	255
45°	9	17	31	17	9	16
55°	5	5	5	5	5	4
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3801.7	3801.7	3801.7	3801.7	3801.7
1°	3800.0	3803.5	3796.5	3808.7	3798.2
2°	3791.3	3793.0	3789.6	3798.2	3784.3
3°	3770.4	3773.9	3766.9	3773.9	3761.7
4°	3746.1	3746.1	3739.1	3744.3	3728.7
5°	3713.0	3711.3	3706.1	3709.6	3695.6
6°	3678.2	3676.5	3667.8	3667.8	3657.4
7°	3652.2	3640.0	3633.0	3631.3	3620.9
8°	3610.4	3606.9	3593.0	3593.0	3586.1
9°	3568.7	3565.2	3549.6	3553.0	3547.8
10°	3526.9	3514.8	3502.6	3504.3	3504.3
11°	3471.3	3460.9	3443.5	3450.4	3453.9
12°	3405.2	3393.0	3377.4	3391.3	3389.6
13°	3332.2	3321.7	3309.6	3320.0	3316.5
14°	3255.6	3240.0	3229.6	3236.5	3233.0
15°	3175.6	3154.8	3146.1	3146.1	3142.6
17.5°	2951.3	2939.1	2930.4	2925.2	2937.4
20°	2760.0	2749.6	2730.4	2735.6	2744.3
22.5°	2520.0	2518.3	2507.8	2499.1	2509.6
25°	2092.2	2144.3	2153.0	2128.7	2074.8
27.5°	1520.0	1641.7	1685.2	1627.8	1528.7
30°	1069.6	1127.0	1198.3	1085.2	1073.0
32.5°	645.2	660.9	727.0	648.7	631.3
35°	330.4	342.6	386.1	330.4	311.3
37.5°	154.8	161.7	179.1	154.8	144.3
40°	76.5	85.2	95.7	80.0	73.0
42.5°	33.0	43.5	55.7	41.7	29.6
45°	8.7	17.4	31.3	17.4	8.7
47.5°	5.2	7.0	17.4	7.0	5.2
50°	5.2	5.2	8.7	5.2	5.2
52.5°	5.2	5.2	5.2	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2	5.2
60°	3.5	5.2	3.5	5.2	3.5
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	0.0	1.7	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)