

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: P1308201

Luminaire Tested: P3SQAS17R409030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

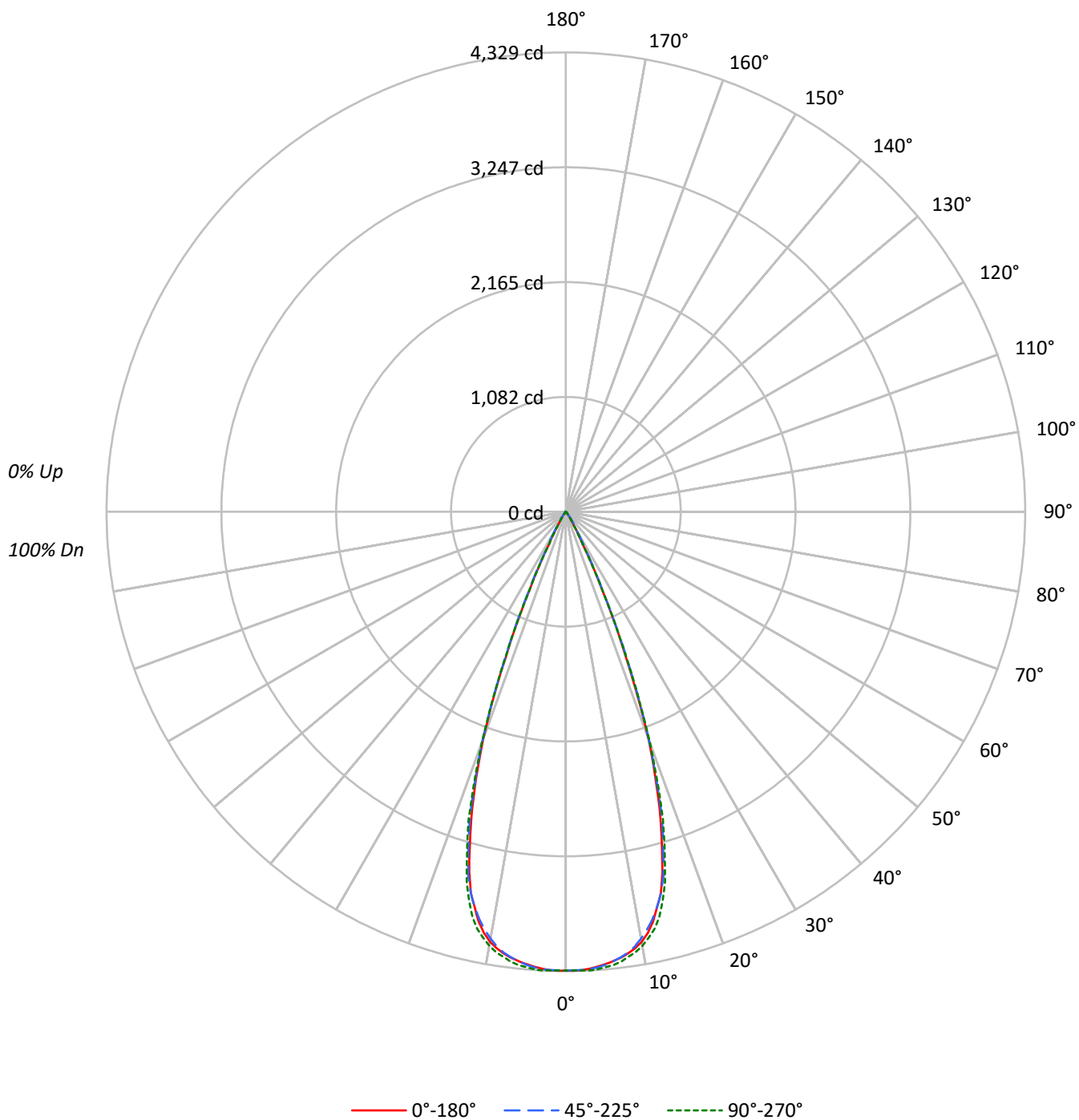
Lumens per Lamp: N/A
Luminaire Lumens: 1830.1 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	744673	744673	744673
5°	739738	740845	744856
10°	719699	714313	726239
15°	627074	633511	643370
20°	417703	419811	423825
25°	151869	156506	152591
30°	32236	43253	32236
35°	11353	19216	10828
40°	4047	6070	4047
45°	950	2509	950
50°	697	1045	697
55°	781	781	781
60°	896	896	896
65°	530	1060	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.0	22.1
10°-20°	941.6	51.4
20°-30°	423.8	23.2
30°-40°	48.2	2.6
40°-50°	6.9	0.4
50°-60°	2.4	0.1
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.0	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°	1769.4	96.7
0°-40°	1817.6	99.3
0°-60°	1826.9	99.8
0°-90°	1830.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4324	4324	4324	4324	4324	
5°	4279	4274	4285	4305	4308	404
15°	3517	3526	3553	3581	3608	934
25°	799	804	824	824	803	414
35°	54	60	91	58	52	40
45°	4	6	10	6	4	5
55°	3	3	3	3	3	2
65°	1	3	3	3	1	2
75°	1	1	1	1	1	1
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°	4323.9	4323.9	4323.9	4323.9	4323.9
1°	4326.5	4322.6	4321.3	4329.1	4322.6
2°	4322.6	4320.1	4321.3	4329.1	4323.9
3°	4311.0	4312.3	4316.2	4330.3	4329.1
4°	4296.9	4295.6	4303.3	4321.3	4321.3
5°	4278.9	4273.7	4285.3	4304.6	4308.5
6°	4258.3	4251.8	4260.9	4285.3	4294.3
7°	4235.1	4222.2	4230.0	4259.6	4271.2
8°	4204.2	4187.5	4196.5	4226.1	4235.1
9°	4165.6	4139.9	4147.6	4183.6	4201.7
10°	4115.4	4083.3	4084.6	4124.4	4152.8
11°	4044.7	4008.6	4009.9	4060.1	4089.7
12°	3950.7	3918.5	3925.0	3971.3	4018.9
13°	3823.3	3814.3	3822.0	3872.2	3916.0
14°	3699.8	3690.8	3704.9	3751.3	3771.8
15°	3517.0	3526.0	3553.1	3581.4	3608.4
17.5°	2937.9	2972.7	3004.9	3024.2	3047.3
20°	2279.1	2239.2	2290.6	2267.5	2312.5
22.5°	1470.9	1500.5	1513.4	1500.5	1505.6
25°	799.2	804.3	823.6	823.6	803.0
27.5°	339.7	366.8	391.2	382.2	339.7
30°	162.1	186.6	217.5	187.9	162.1
32.5°	91.4	108.1	140.3	105.5	88.8
35°	54.0	60.5	91.4	57.9	51.5
37.5°	32.2	33.5	50.2	34.7	30.9
40°	18.0	21.9	27.0	21.9	18.0
42.5°	9.0	12.9	16.7	12.9	9.0
45°	3.9	6.4	10.3	6.4	3.9
47.5°	3.9	3.9	6.4	3.9	3.9
50°	2.6	2.6	3.9	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	1.3	2.6	2.6	2.6	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)