

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: P1308210

Luminaire Tested: P3SQAS17R459030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

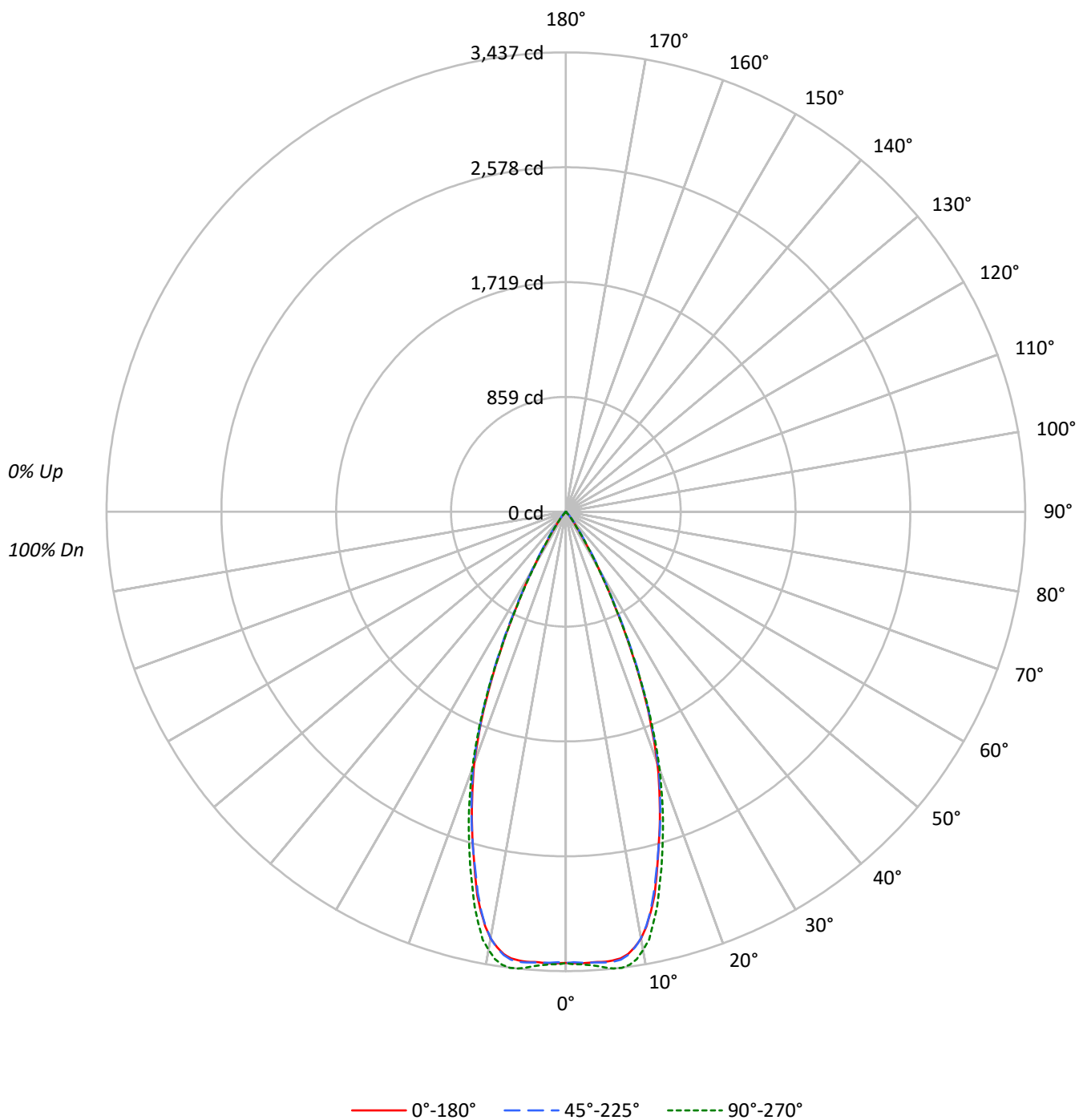
Lumens per Lamp: N/A
Luminaire Lumens: 1747.1 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	581320	581320	581320
5°	584215	585322	592012
10°	566872	566417	582191
15°	475093	474861	492299
20°	367266	371041	376228
25°	225144	229799	225638
30°	96549	100904	93487
35°	30317	36562	29518
40°	10432	13309	10139
45°	1875	5651	1559
50°	1045	2063	1045
55°	1171	1171	1171
60°	896	896	896
65°	1060	1060	1060
70°	655	655	655
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.8	18.4
10°-20°	741.3	42.4
20°-30°	542.8	31.1
30°-40°	119.9	6.9
40°-50°	14.7	0.8
50°-60°	3.5	0.2
60°-70°	2.5	0.1
70°-80°	1.4	0.1
80°-90°	0.2	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°	1604.9	91.9
0°-40°	1724.8	98.7
0°-60°	1743.0	99.8
0°-90°	1747.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1747.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3375	3375	3375	3375	3375	
5°	3379	3377	3386	3410	3424	319
15°	2665	2650	2663	2728	2761	735
25°	1185	1184	1209	1200	1187	537
35°	144	152	174	152	140	114
45°	8	13	23	13	6	10
55°	4	4	4	4	4	3
65°	3	3	3	3	3	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°	3375.4	3375.4	3375.4	3375.4	3375.4
1°	3378.0	3372.9	3371.6	3380.6	3387.0
2°	3380.6	3374.2	3375.4	3384.5	3388.3
3°	3378.0	3371.6	3378.0	3390.9	3396.0
4°	3376.7	3374.2	3380.6	3398.6	3407.6
5°	3379.3	3376.7	3385.7	3410.2	3424.4
6°	3375.4	3371.6	3384.5	3415.4	3436.0
7°	3366.4	3362.6	3376.7	3414.1	3437.3
8°	3342.0	3334.2	3348.4	3394.8	3423.1
9°	3298.2	3287.9	3302.0	3356.1	3389.6
10°	3241.5	3229.9	3238.9	3291.7	3329.1
11°	3160.4	3144.9	3155.2	3211.9	3260.8
12°	3057.3	3035.5	3048.3	3112.7	3147.5
13°	2945.3	2924.7	2927.3	2985.2	3034.2
14°	2806.2	2779.2	2790.8	2851.3	2889.9
15°	2664.6	2650.4	2663.3	2727.7	2761.1
17.5°	2340.0	2338.7	2350.3	2398.0	2416.0
20°	2003.9	2007.8	2024.5	2050.2	2052.8
22.5°	1605.9	1607.2	1625.3	1643.3	1639.4
25°	1184.8	1183.5	1209.3	1200.3	1187.4
27.5°	785.6	790.7	813.9	797.2	784.3
30°	485.5	495.8	507.4	486.8	470.1
32.5°	262.7	279.5	296.2	278.2	261.4
35°	144.2	152.0	173.9	152.0	140.4
37.5°	83.7	87.6	101.7	87.6	79.8
40°	46.4	52.8	59.2	52.8	45.1
42.5°	19.3	29.6	36.1	29.6	19.3
45°	7.7	12.9	23.2	12.9	6.4
47.5°	3.9	5.2	14.2	5.2	3.9
50°	3.9	3.9	7.7	3.9	3.9
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9	3.9
60°	2.6	2.6	2.6	3.9	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	1.3	1.3	1.3	2.6	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°	1.3	1.3	1.3	1.3	1.3
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)