

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: P1312393

Luminaire Tested: P3SQAS13R159727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

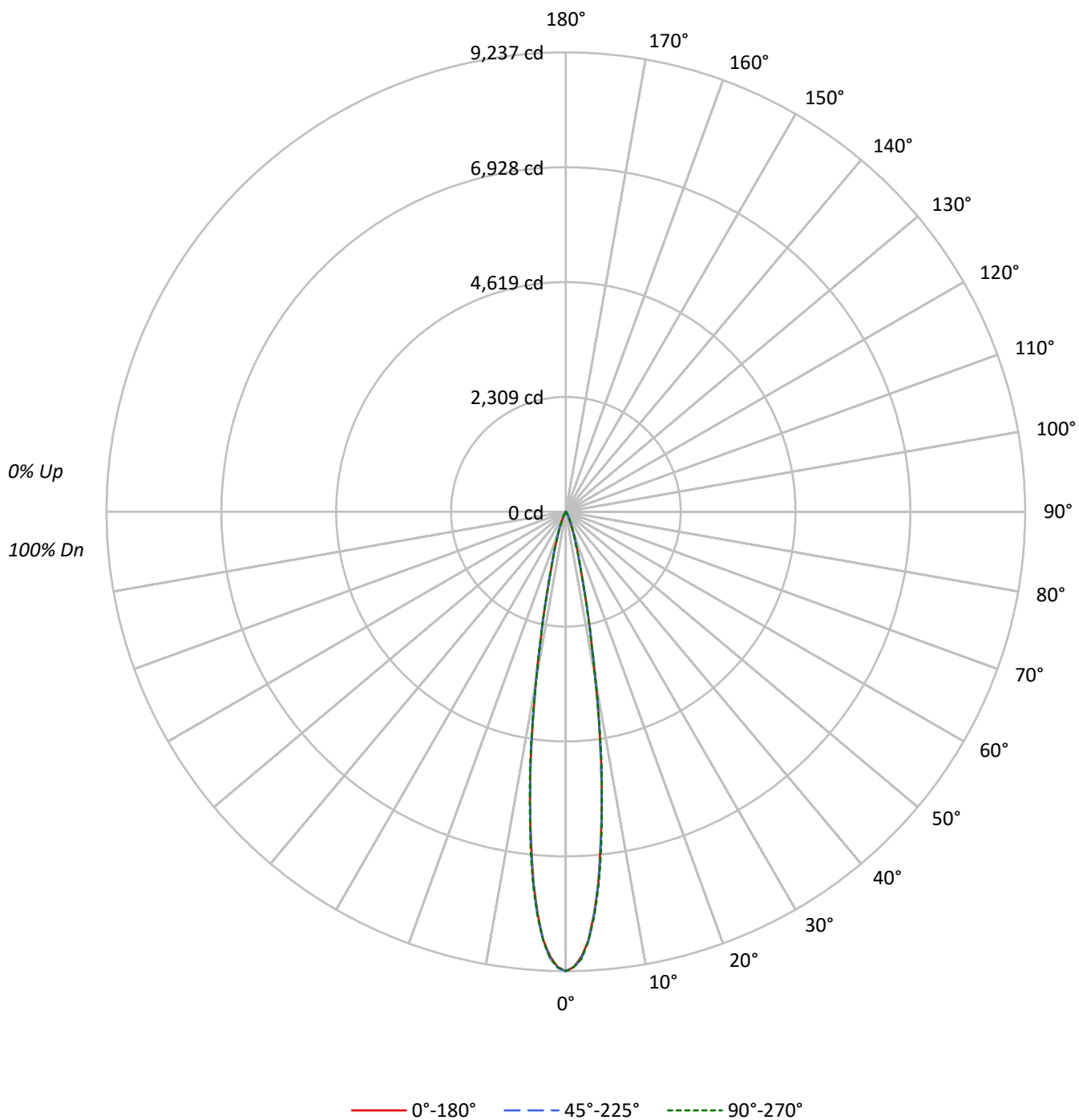
Lumens per Lamp: N/A
Luminaire Lumens: 1036.9 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1590872	1590872	1590872
5°	1293613	1298108	1302620
10°	602460	603019	599749
15°	186411	193079	189459
20°	74318	78497	73420
25°	31107	36675	29549
30°	12628	16844	11654
35°	4100	7695	3763
40°	1461	3103	1461
45°	585	999	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.2	55.8
10°-20°	345.7	33.3
20°-30°	88.0	8.5
30°-40°	19.1	1.8
40°-50°	3.1	0.3
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.5	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°	1011.9	97.6
0°-40°	1031.0	99.4
0°-60°	1035.5	99.9
0°-90°	1036.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9237	9237	9237	9237	9237	
5°	7483	7493	7509	7474	7535	577
15°	1046	1075	1083	1067	1063	344
25°	164	175	193	171	156	83
35°	20	25	37	24	18	15
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
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°	9237.3	9237.3	9237.3	9237.3	9237.3
1°	9156.7	9172.2	9174.6	9172.2	9159.2
2°	8950.7	8996.3	8986.6	8967.0	8994.7
3°	8632.4	8655.2	8651.9	8653.5	8647.0
4°	8114.5	8154.4	8131.6	8148.7	8150.4
5°	7482.7	7493.3	7508.7	7474.5	7534.8
6°	6705.1	6772.7	6713.3	6771.9	6795.5
7°	5914.5	5953.6	5877.9	5918.6	5943.0
8°	5106.0	5037.6	5079.1	5079.9	5160.5
9°	4233.1	4247.0	4282.0	4242.1	4277.1
10°	3445.0	3476.7	3448.2	3434.4	3429.5
11°	2720.3	2756.1	2753.7	2757.8	2730.9
12°	2188.6	2169.9	2182.1	2142.2	2160.1
13°	1703.4	1704.2	1694.4	1678.1	1663.5
14°	1334.5	1326.4	1349.2	1328.8	1310.1
15°	1045.5	1074.8	1082.9	1067.4	1062.6
17.5°	644.9	645.7	657.1	642.4	640.8
20°	405.5	415.3	428.3	412.8	400.6
22.5°	256.5	265.4	285.8	266.3	249.2
25°	163.7	175.1	193.0	171.0	155.5
27.5°	102.6	113.2	130.3	109.9	98.5
30°	63.5	70.8	84.7	69.2	58.6
32.5°	36.6	44.0	55.4	41.5	35.0
35°	19.5	25.2	36.6	24.4	17.9
37.5°	11.4	14.7	23.6	13.0	10.6
40°	6.5	9.0	13.8	8.1	6.5
42.5°	4.1	5.7	6.5	4.9	3.3
45°	2.4	3.3	4.1	3.3	2.4
47.5°	1.6	2.4	3.3	1.6	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0
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)