

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: P1309328

Luminaire Tested: P3SQAS17R459035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309328
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: P3SQAS17R459035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

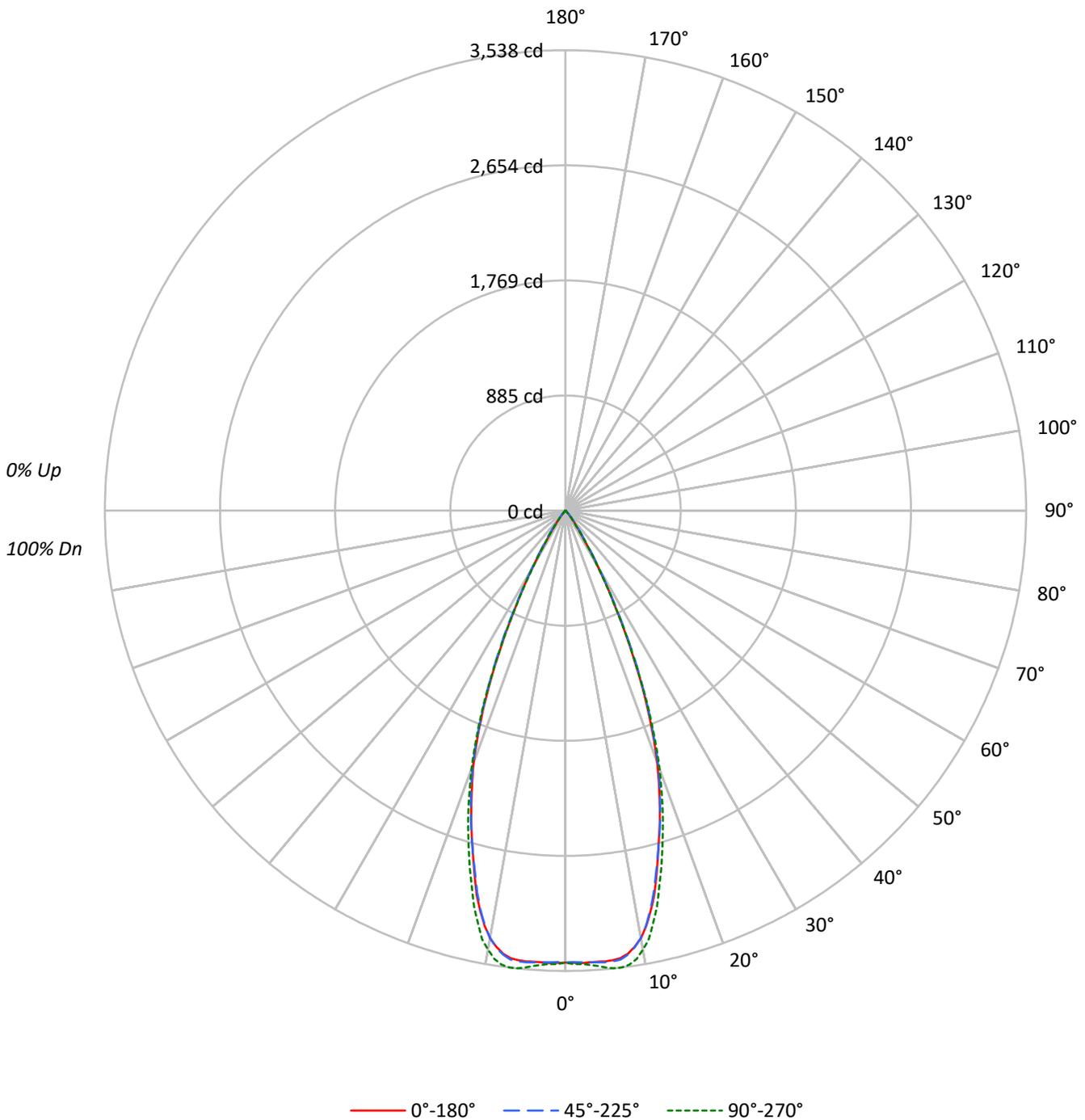
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1798.0 lumens
Efficiency: N/A
Efficacy: 84.8 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 (A_{in}): 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

TEST NUMBER: P1309328
CATALOG NUMBER: P3SQAS17R459035DE010 E3SQCD1MW

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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	598301	598301	598301
5°	601278	602419	609283
10°	583415	582961	599189
15°	488947	488715	506669
20°	377987	381873	387224
25°	231719	236507	232232
30°	99373	103848	96211
35°	31200	37613	30380
40°	10724	13714	10432
45°	1948	5821	1607
50°	1072	2143	1072
55°	1201	1201	1201
60°	930	930	930
65°	1100	1100	1100
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: 5821 cd/sqm



TEST NUMBER: P1309328

CATALOG NUMBER: P3SQAS17R459035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	18.4
10°-20°	762.9	42.4
20°-30°	558.6	31.1
30°-40°	123.4	6.9
40°-50°	15.1	0.8
50°-60°	3.6	0.2
60°-70°	2.6	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°	1651.7	91.9
0°-40°	1775.1	98.7
0°-60°	1793.9	99.8
0°-90°	1798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3474	3474	3474	3474	3474	
5°	3478	3475	3485	3510	3524	328
15°	2742	2728	2741	2807	2842	757
25°	1219	1218	1245	1235	1222	552
35°	148	156	179	156	144	117
45°	8	13	24	13	7	11
55°	4	4	4	4	4	3
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CATALOG NUMBER: P3SQAS17R459035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3474.0	3474.0	3474.0	3474.0	3474.0
1°	3476.6	3471.3	3470.0	3479.3	3485.9
2°	3479.3	3472.7	3474.0	3483.3	3487.2
3°	3476.6	3470.0	3476.6	3489.9	3495.2
4°	3475.3	3472.7	3479.3	3497.8	3507.1
5°	3478.0	3475.3	3484.6	3509.8	3524.3
6°	3474.0	3470.0	3483.3	3515.1	3536.3
7°	3464.7	3460.7	3475.3	3513.7	3537.6
8°	3439.5	3431.6	3446.1	3493.9	3523.0
9°	3394.5	3383.9	3398.4	3454.1	3488.6
10°	3336.1	3324.2	3333.5	3387.8	3426.3
11°	3252.6	3236.7	3247.3	3305.7	3356.0
12°	3146.6	3124.1	3137.3	3203.6	3239.4
13°	3031.3	3010.1	3012.7	3072.4	3122.7
14°	2888.1	2860.3	2872.2	2934.5	2974.3
15°	2742.3	2727.8	2741.0	2807.3	2841.7
17.5°	2408.3	2407.0	2418.9	2468.0	2486.5
20°	2062.4	2066.4	2083.6	2110.1	2112.8
22.5°	1652.8	1654.2	1672.7	1691.3	1687.3
25°	1219.4	1218.1	1244.6	1235.3	1222.1
27.5°	808.5	813.8	837.7	820.4	807.2
30°	499.7	510.3	522.2	501.0	483.8
32.5°	270.4	287.6	304.9	286.3	269.1
35°	148.4	156.4	178.9	156.4	144.5
37.5°	86.2	90.1	104.7	90.1	82.2
40°	47.7	54.3	61.0	54.3	46.4
42.5°	19.9	30.5	37.1	30.5	19.9
45°	8.0	13.3	23.9	13.3	6.6
47.5°	4.0	5.3	14.6	5.3	4.0
50°	4.0	4.0	8.0	4.0	4.0
52.5°	4.0	4.0	4.0	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0	4.0
60°	2.7	2.7	2.7	4.0	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	1.3	1.3	1.3	2.7	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



TEST NUMBER: P1309328
CATALOG NUMBER: P3SQAS17R459035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)