

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: P1312621

Luminaire Tested: P3SQAS17R409727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312621
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: P3SQAS17R409727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

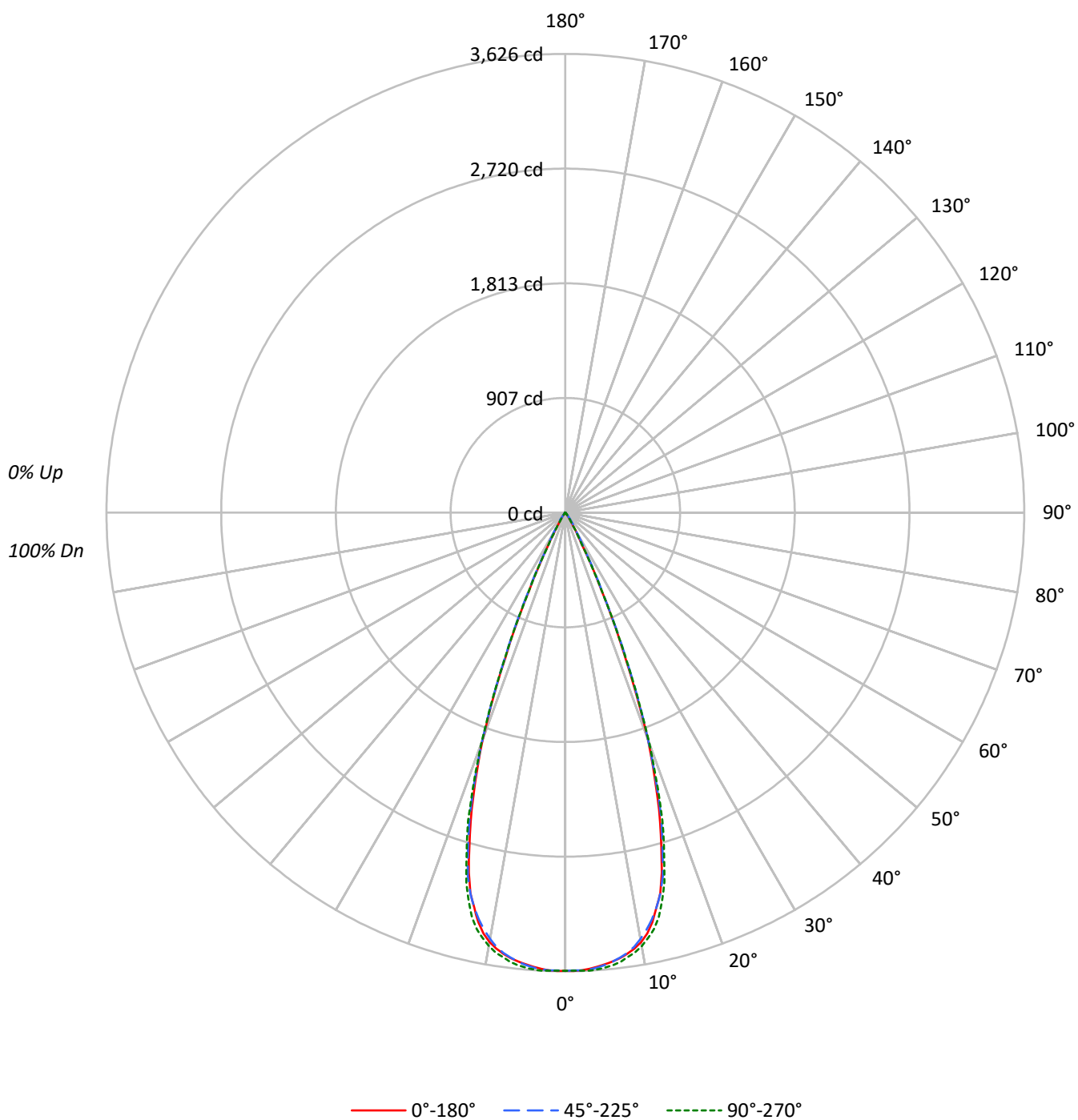
Lumens per Lamp: N/A
Luminaire Lumens: 1533.1 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	623825	623825	623825
5°	619673	620606	623960
10°	602897	598385	608371
15°	525302	530686	538959
20°	349910	351687	355041
25°	127223	131099	127831
30°	27006	36233	27006
35°	9524	16084	9062
40°	3395	5081	3395
45°	779	2095	779
50°	589	857	589
55°	661	661	661
60°	758	758	758
65°	448	897	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	22.1
10°-20°	788.8	51.4
20°-30°	355.0	23.2
30°-40°	40.4	2.6
40°-50°	5.8	0.4
50°-60°	2.0	0.1
60°-70°	1.7	0.1
70°-80°	1.0	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°	1482.2	96.7
0°-40°	1522.6	99.3
0°-60°	1530.4	99.8
0°-90°	1533.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3622	3622	3622	3622	3622	
5°	3584	3580	3590	3606	3609	338
15°	2946	2954	2976	3000	3023	782
25°	670	674	690	690	673	347
35°	45	51	76	48	43	34
45°	3	5	9	5	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	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°	3622.2	3622.2	3622.2	3622.2	3622.2
1°	3624.3	3621.1	3620.0	3626.5	3621.1
2°	3621.1	3618.9	3620.0	3626.5	3622.2
3°	3611.4	3612.5	3615.7	3627.6	3626.5
4°	3599.5	3598.4	3604.9	3620.0	3620.0
5°	3584.4	3580.1	3589.8	3606.0	3609.2
6°	3567.2	3561.8	3569.3	3589.8	3597.4
7°	3547.8	3537.0	3543.5	3568.3	3578.0
8°	3521.9	3507.9	3515.4	3540.2	3547.8
9°	3489.6	3468.0	3474.5	3504.7	3519.8
10°	3447.5	3420.6	3421.7	3455.1	3478.8
11°	3388.2	3358.0	3359.1	3401.2	3426.0
12°	3309.5	3282.6	3288.0	3326.8	3366.7
13°	3202.8	3195.3	3201.7	3243.8	3280.4
14°	3099.3	3091.8	3103.6	3142.4	3159.7
15°	2946.2	2953.8	2976.4	3000.1	3022.8
17.5°	2461.1	2490.2	2517.2	2533.4	2552.8
20°	1909.2	1875.8	1918.9	1899.5	1937.2
22.5°	1232.2	1257.0	1267.8	1257.0	1261.3
25°	669.5	673.8	689.9	689.9	672.7
27.5°	284.6	307.2	327.7	320.2	284.6
30°	135.8	156.3	182.2	157.4	135.8
32.5°	76.5	90.6	117.5	88.4	74.4
35°	45.3	50.7	76.5	48.5	43.1
37.5°	27.0	28.0	42.0	29.1	25.9
40°	15.1	18.3	22.6	18.3	15.1
42.5°	7.5	10.8	14.0	10.8	7.5
45°	3.2	5.4	8.6	5.4	3.2
47.5°	3.2	3.2	5.4	3.2	3.2
50°	2.2	2.2	3.2	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	2.2	2.2	2.2	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)