

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: P1317996

Luminaire Tested: P3SQAS13R309835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

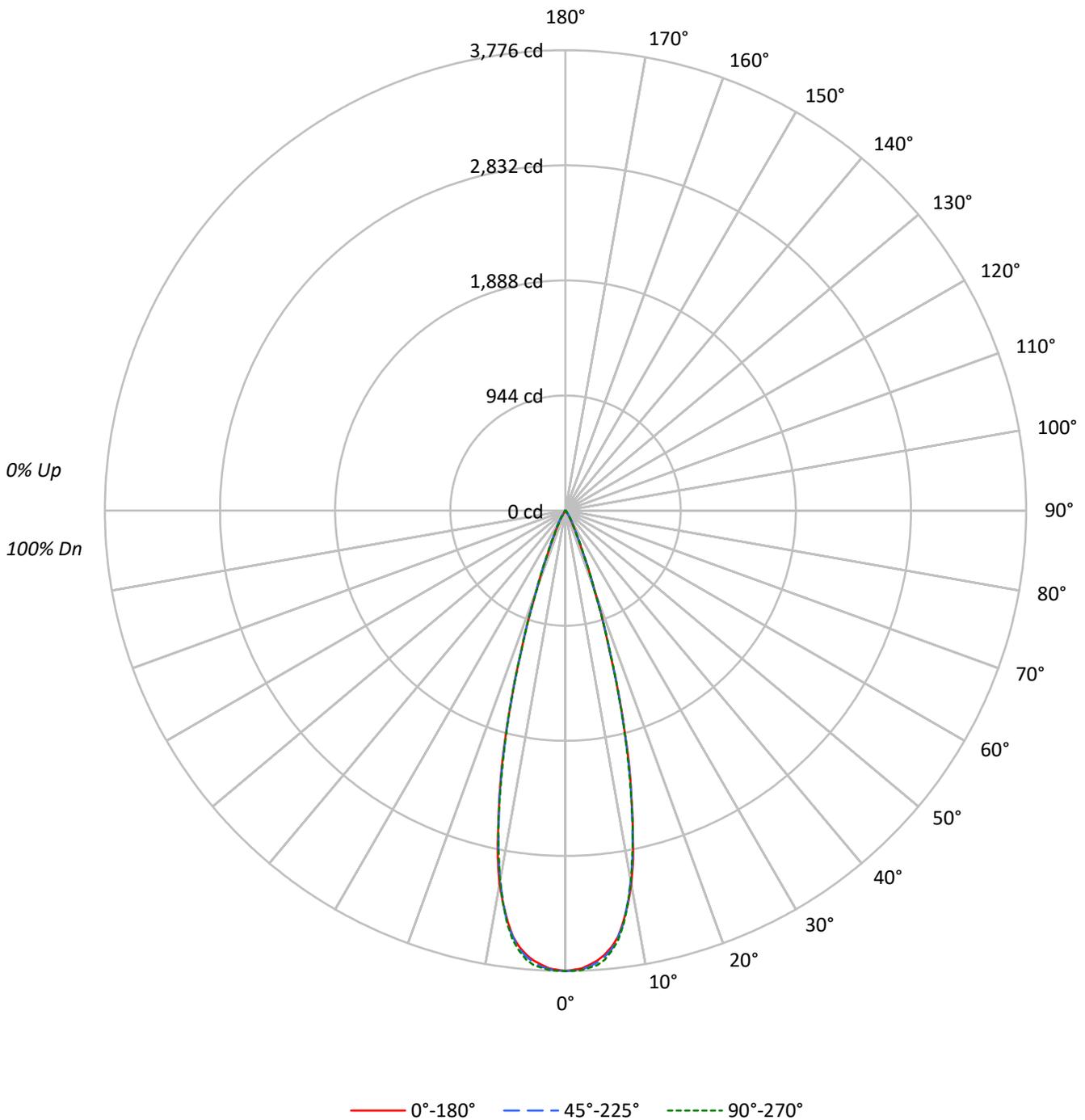
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 982.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	650278	650278	650278
5°	632466	635215	639139
10°	543858	539206	539748
15°	334184	331474	331741
20°	127175	127468	125104
25°	40457	42604	40590
30°	16267	20185	16725
35°	5256	8914	5256
40°	2383	3912	2383
45°	926	1656	926
50°	402	804	402
55°	450	450	450
60°	517	517	517
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: 1656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.1	33.9
10°-20°	494.1	50.3
20°-30°	122.8	12.5
30°-40°	24.5	2.5
40°-50°	4.5	0.5
50°-60°	1.4	0.1
60°-70°	1.0	0.1
70°-80°	0.7	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°	949.9	96.7
0°-40°	974.4	99.2
0°-60°	980.2	99.8
0°-90°	982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3776	3776	3776	3776	3776	
5°	3658	3670	3674	3680	3697	333
15°	1874	1878	1859	1865	1861	496
25°	213	217	224	221	214	119
35°	25	33	42	32	25	20
45°	4	4	7	5	4	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3775.8	3775.8	3775.8	3775.8	3775.8
1°	3767.4	3772.0	3775.0	3775.0	3775.0
2°	3756.8	3759.9	3764.4	3765.2	3771.2
3°	3731.8	3738.7	3746.2	3750.8	3753.8
4°	3701.5	3710.6	3715.2	3726.5	3736.4
5°	3658.4	3670.5	3674.3	3679.6	3697.0
6°	3600.0	3609.1	3616.7	3619.0	3629.6
7°	3522.7	3527.3	3525.8	3529.6	3548.5
8°	3405.3	3406.8	3419.7	3411.4	3424.3
9°	3265.9	3259.9	3256.8	3262.9	3263.7
10°	3109.9	3089.4	3083.3	3078.0	3086.4
11°	2907.6	2881.1	2883.3	2881.8	2869.7
12°	2656.1	2653.0	2633.3	2637.1	2655.3
13°	2399.3	2404.6	2400.8	2405.3	2384.9
14°	2158.3	2132.6	2139.4	2113.6	2123.5
15°	1874.3	1878.0	1859.1	1865.2	1860.6
17.5°	1200.0	1208.3	1202.3	1197.0	1205.3
20°	693.9	693.2	695.5	688.6	682.6
22.5°	365.2	370.5	377.3	378.0	382.6
25°	212.9	217.4	224.2	221.2	213.6
27.5°	130.3	138.6	149.2	141.7	132.6
30°	81.8	88.6	101.5	89.4	84.1
32.5°	46.2	56.1	66.7	56.1	46.2
35°	25.0	32.6	42.4	31.8	25.0
37.5°	16.7	18.9	28.0	18.9	16.7
40°	10.6	12.9	17.4	12.9	10.6
42.5°	6.1	8.3	9.8	8.3	6.1
45°	3.8	4.5	6.8	5.3	3.8
47.5°	1.5	2.3	4.5	2.3	2.3
50°	1.5	1.5	3.0	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
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°	0.8	0.8	0.8	0.8	0.8
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)