

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: P1315357

Luminaire Tested: P3SQAS13R309740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315357
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: P3SQAS13R309740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

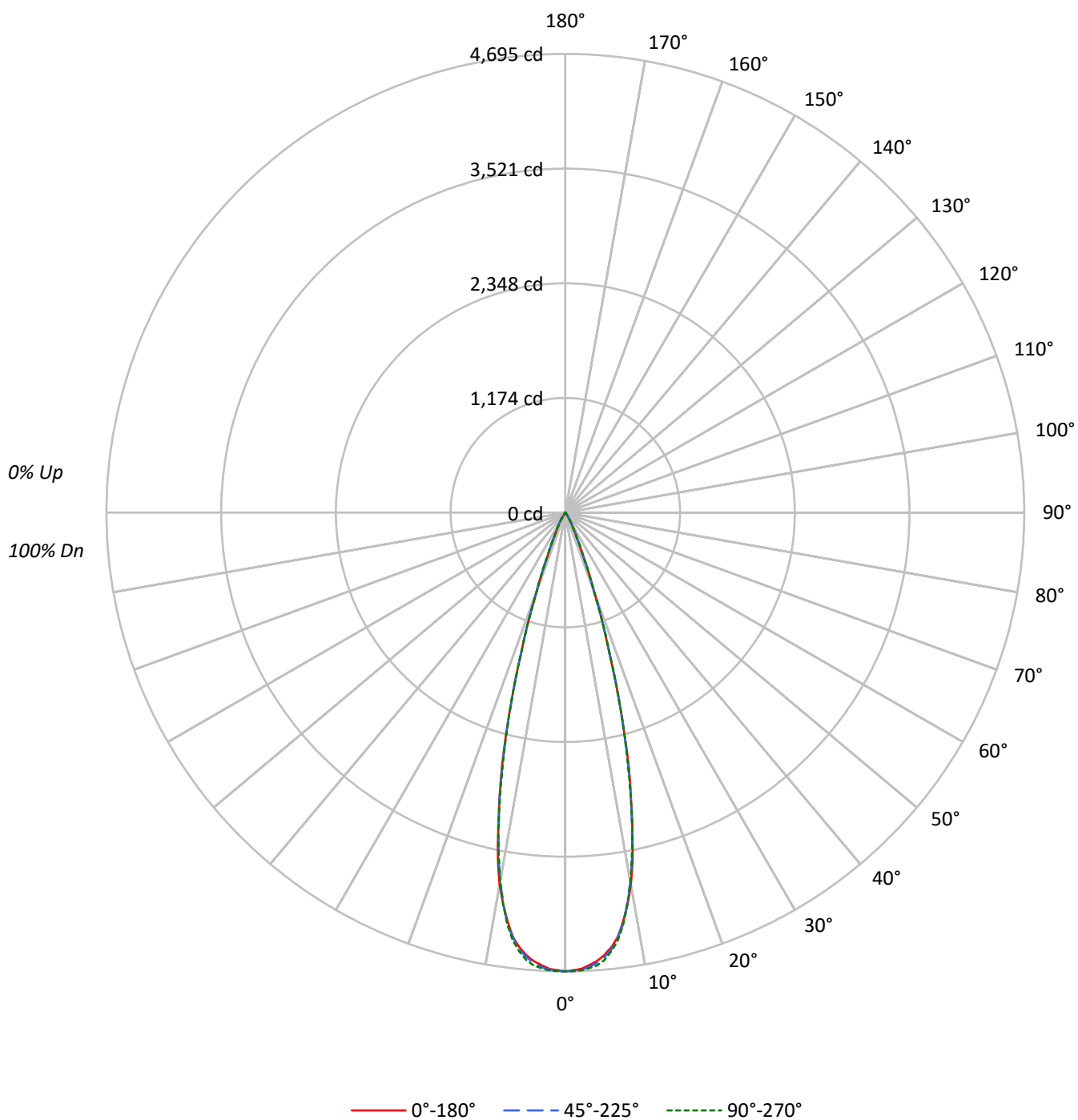
Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	808534	808534	808534
5°	786382	789805	794697
10°	676206	670453	671100
15°	415506	412154	412492
20°	158130	158478	155546
25°	50300	52979	50471
30°	20225	25097	20801
35°	6539	11080	6539
40°	2968	4879	2968
45°	1145	2070	1145
50°	509	1018	509
55°	570	570	570
60°	654	654	654
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.1	33.9
10°-20°	614.3	50.3
20°-30°	152.6	12.5
30°-40°	30.5	2.5
40°-50°	5.6	0.5
50°-60°	1.8	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1181.1	96.7
0°-40°	1211.6	99.2
0°-60°	1218.9	99.8
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4695	4695	4695	4695	4695	
5°	4549	4564	4568	4575	4597	414
15°	2330	2335	2312	2319	2314	617
25°	265	270	279	275	266	148
35°	31	40	53	40	31	25
45°	5	6	8	7	5	4
55°	2	2	2	2	2	2
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°	4694.7	4694.7	4694.7	4694.7	4694.7
1°	4684.4	4690.0	4693.8	4693.8	4693.8
2°	4671.2	4674.9	4680.6	4681.5	4689.1
3°	4640.1	4648.6	4658.0	4663.6	4667.4
4°	4602.4	4613.7	4619.4	4633.5	4645.7
5°	4548.7	4563.8	4568.5	4575.1	4596.8
6°	4476.2	4487.5	4496.9	4499.7	4512.9
7°	4380.1	4385.8	4383.9	4388.6	4412.1
8°	4234.1	4236.0	4252.0	4241.6	4257.7
9°	4060.8	4053.3	4049.5	4057.0	4058.0
10°	3866.7	3841.3	3833.8	3827.2	3837.5
11°	3615.2	3582.3	3585.1	3583.2	3568.1
12°	3302.5	3298.7	3274.3	3279.0	3301.6
13°	2983.2	2989.8	2985.1	2990.7	2965.3
14°	2683.6	2651.6	2660.1	2628.1	2640.3
15°	2330.4	2335.1	2311.6	2319.1	2313.5
17.5°	1492.1	1502.4	1494.9	1488.3	1498.7
20°	862.8	861.9	864.7	856.2	848.7
22.5°	454.0	460.6	469.1	470.0	475.7
25°	264.7	270.3	278.8	275.1	265.6
27.5°	162.0	172.4	185.6	176.1	164.8
30°	101.7	110.2	126.2	111.2	104.6
32.5°	57.5	69.7	82.9	69.7	57.5
35°	31.1	40.5	52.7	39.6	31.1
37.5°	20.7	23.5	34.9	23.5	20.7
40°	13.2	16.0	21.7	16.0	13.2
42.5°	7.5	10.4	12.2	10.4	7.5
45°	4.7	5.7	8.5	6.6	4.7
47.5°	1.9	2.8	5.7	2.8	2.8
50°	1.9	1.9	3.8	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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)