

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: P1312407

Luminaire Tested: P3SQAS13R209727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

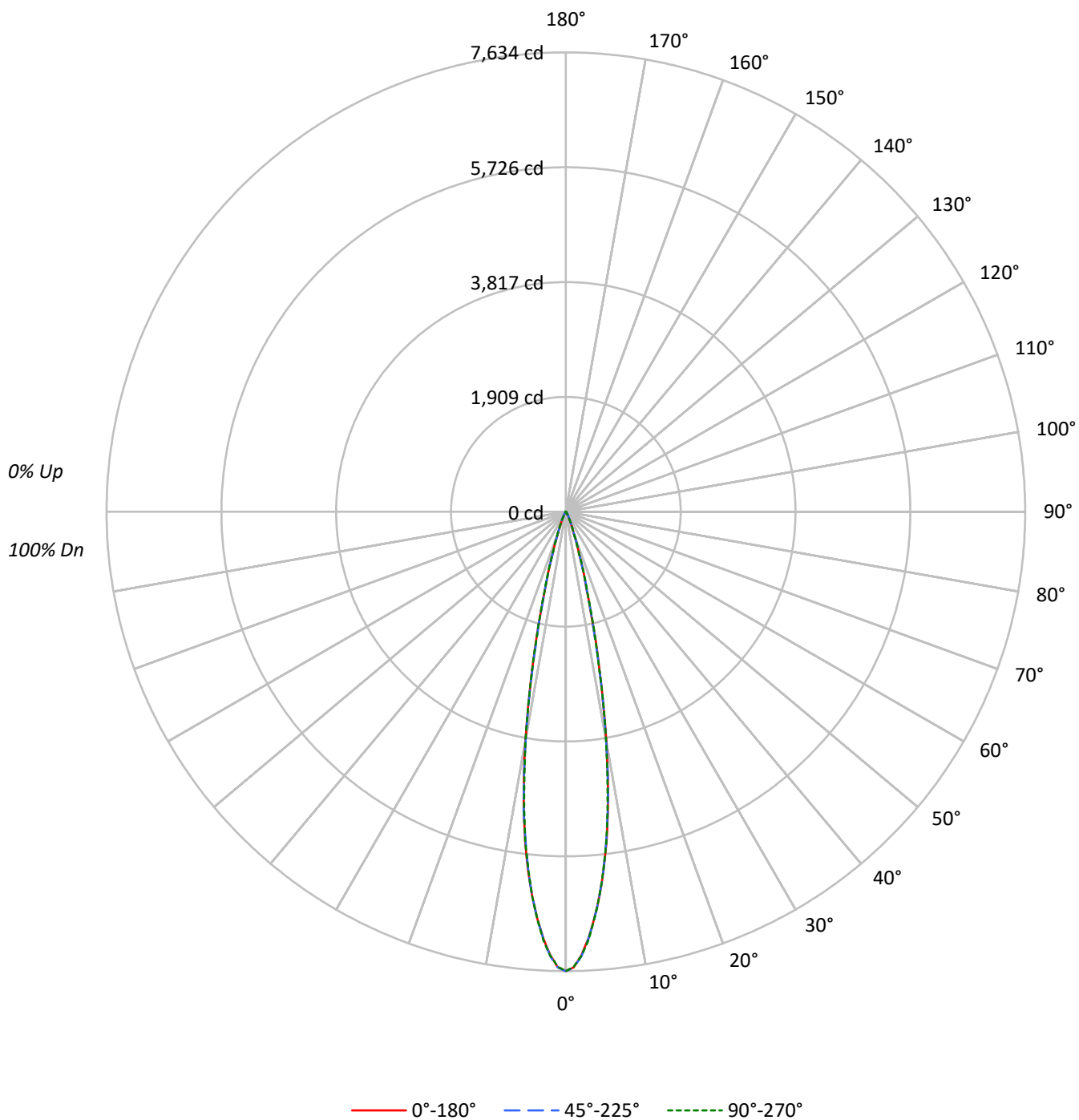
Lumens per Lamp: N/A
Luminaire Lumens: 1052.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1314730	1314730	1314730
5°	1108129	1108544	1107974
10°	675262	672132	673706
15°	237850	238866	246283
20°	74740	76829	75180
25°	27991	30632	28770
30°	10838	15372	11335
35°	4100	6854	4457
40°	2203	2923	2203
45°	804	1388	999
50°	429	643	429
55°	480	480	480
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.9	50.4
10°-20°	415.5	39.5
20°-30°	81.6	7.8
30°-40°	18.3	1.7
40°-50°	4.2	0.4
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.3	0.0
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°	1027.1	97.6
0°-40°	1045.4	99.4
0°-60°	1050.8	99.9
0°-90°	1052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7634	7634	7634	7634	7634	
5°	6410	6416	6412	6434	6409	531
15°	1334	1340	1340	1369	1381	415
25°	147	157	161	159	151	78
35°	20	24	33	24	21	15
45°	3	5	6	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
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°	7633.9	7633.9	7633.9	7633.9	7633.9
1°	7572.1	7555.8	7574.5	7559.9	7563.1
2°	7375.9	7367.0	7391.4	7375.9	7384.0
3°	7103.2	7091.8	7109.8	7110.6	7133.4
4°	6777.7	6755.7	6782.5	6783.4	6787.4
5°	6409.8	6415.5	6412.2	6434.2	6408.9
6°	5996.3	6015.0	5990.6	6002.8	5967.8
7°	5534.0	5510.4	5498.2	5502.2	5526.6
8°	5023.6	5007.3	5025.3	5000.0	4982.9
9°	4456.3	4427.8	4447.4	4422.9	4398.5
10°	3861.3	3848.3	3843.4	3815.7	3852.4
11°	3264.7	3225.6	3245.2	3231.3	3271.2
12°	2706.3	2709.6	2671.3	2683.6	2688.4
13°	2202.5	2150.4	2156.9	2190.3	2196.0
14°	1708.5	1715.8	1718.2	1741.8	1755.7
15°	1334.0	1339.7	1339.7	1369.0	1381.3
17.5°	715.5	715.5	730.9	734.2	735.8
20°	407.8	410.2	419.2	418.4	410.2
22.5°	244.2	249.1	253.9	249.1	244.2
25°	147.3	157.1	161.2	158.7	151.4
27.5°	87.9	98.5	109.9	100.9	87.1
30°	54.5	60.2	77.3	61.9	57.0
32.5°	30.1	39.1	52.9	40.7	30.9
35°	19.5	23.6	32.6	23.6	21.2
37.5°	13.8	16.3	20.3	17.1	14.7
40°	9.8	11.4	13.0	12.2	9.8
42.5°	6.5	8.1	9.0	8.1	6.5
45°	3.3	4.9	5.7	4.9	4.1
47.5°	1.6	2.4	4.1	2.4	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	0.8	1.6	0.8
60°	0.8	0.8	0.8	0.8	0.8
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°	0.0	0.0	0.0	0.0	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)