

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: P1313413

Luminaire Tested: P3SQAS13R309730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313413
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: P3SQAS13R309730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

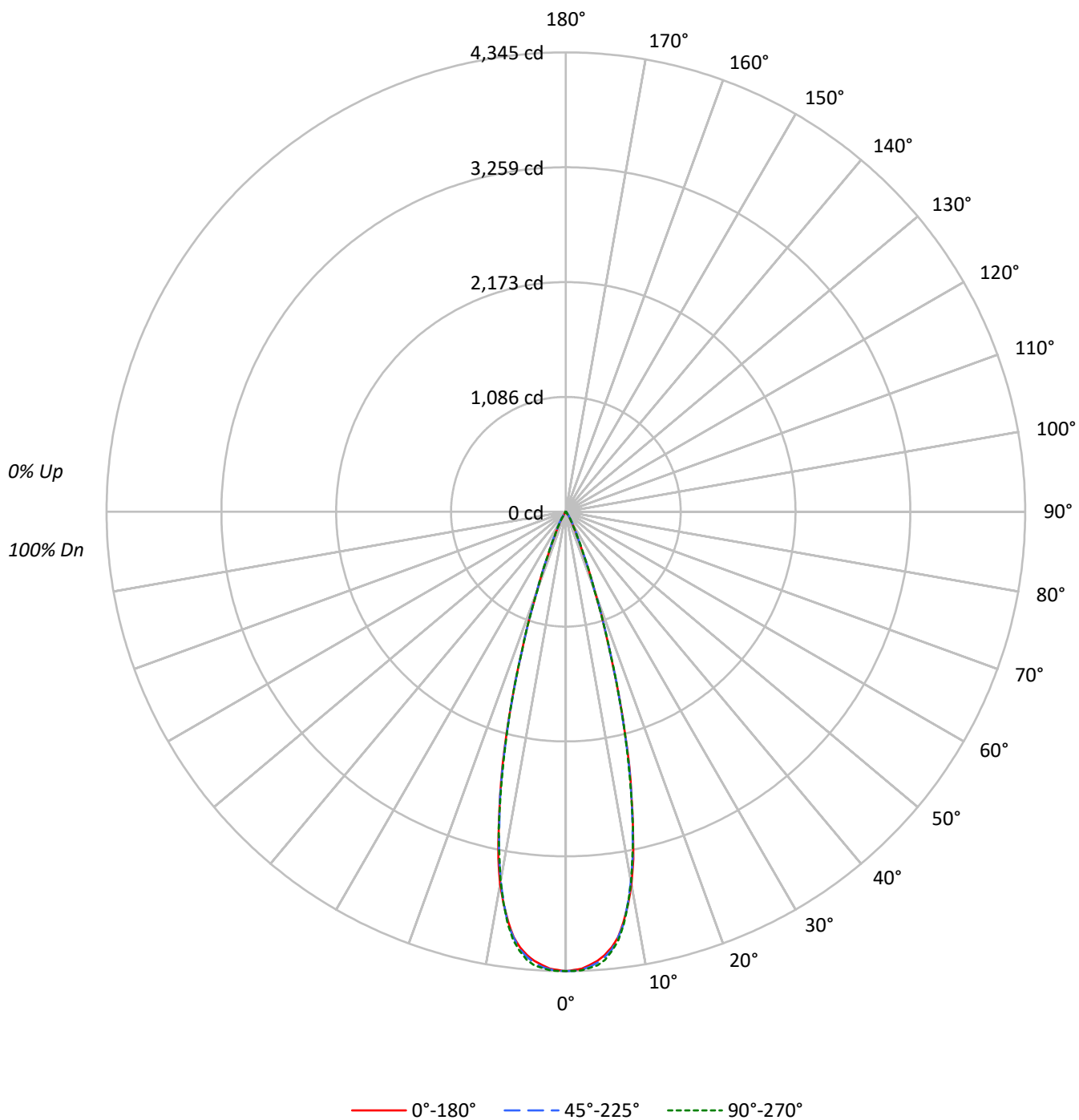
Lumens per Lamp: N/A
Luminaire Lumens: 1130.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	748273	748273	748273
5°	727775	730939	735468
10°	625824	620472	621084
15°	384535	381433	381736
20°	146345	146675	143963
25°	46557	49027	46709
30°	18713	23227	19250
35°	6055	10260	6055
40°	2743	4519	2743
45°	1072	1900	1072
50°	455	938	455
55°	510	510	510
60°	586	586	586
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: 1900 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.3	33.9
10°-20°	568.6	50.3
20°-30°	141.3	12.5
30°-40°	28.2	2.5
40°-50°	5.1	0.5
50°-60°	1.6	0.1
60°-70°	1.2	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°	1093.1	96.7
0°-40°	1121.3	99.2
0°-60°	1128.0	99.8
0°-90°	1130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4345	4345	4345	4345	4345	
5°	4210	4224	4228	4234	4254	383
15°	2157	2161	2139	2146	2141	571
25°	245	250	258	255	246	137
35°	29	38	49	37	29	23
45°	4	5	8	6	4	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°	4344.8	4344.8	4344.8	4344.8	4344.8
1°	4335.2	4340.5	4344.0	4344.0	4344.0
2°	4323.0	4326.5	4331.8	4332.6	4339.6
3°	4294.3	4302.1	4310.8	4316.1	4319.6
4°	4259.4	4269.9	4275.1	4288.2	4299.5
5°	4209.7	4223.7	4228.0	4234.1	4254.2
6°	4142.6	4153.0	4161.8	4164.4	4176.6
7°	4053.7	4058.9	4057.2	4061.5	4083.3
8°	3918.5	3920.3	3935.1	3925.5	3940.3
9°	3758.1	3751.2	3747.7	3754.7	3755.5
10°	3578.6	3555.0	3548.0	3541.9	3551.5
11°	3345.8	3315.3	3317.9	3316.2	3302.2
12°	3056.4	3052.9	3030.2	3034.6	3055.5
13°	2760.9	2767.0	2762.6	2767.8	2744.3
14°	2483.6	2454.0	2461.8	2432.2	2443.5
15°	2156.7	2161.1	2139.3	2146.3	2141.0
17.5°	1380.9	1390.5	1383.5	1377.4	1387.0
20°	798.5	797.7	800.3	792.4	785.5
22.5°	420.2	426.3	434.1	435.0	440.2
25°	245.0	250.2	258.0	254.6	245.8
27.5°	149.9	159.5	171.7	163.0	152.6
30°	94.1	102.0	116.8	102.9	96.8
32.5°	53.2	64.5	76.7	64.5	53.2
35°	28.8	37.5	48.8	36.6	28.8
37.5°	19.2	21.8	32.3	21.8	19.2
40°	12.2	14.8	20.1	14.8	12.2
42.5°	7.0	9.6	11.3	9.6	7.0
45°	4.4	5.2	7.8	6.1	4.4
47.5°	1.7	2.6	5.2	2.6	2.6
50°	1.7	1.7	3.5	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
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)