

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: P1316393

Luminaire Tested: P3SQAS17R309827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

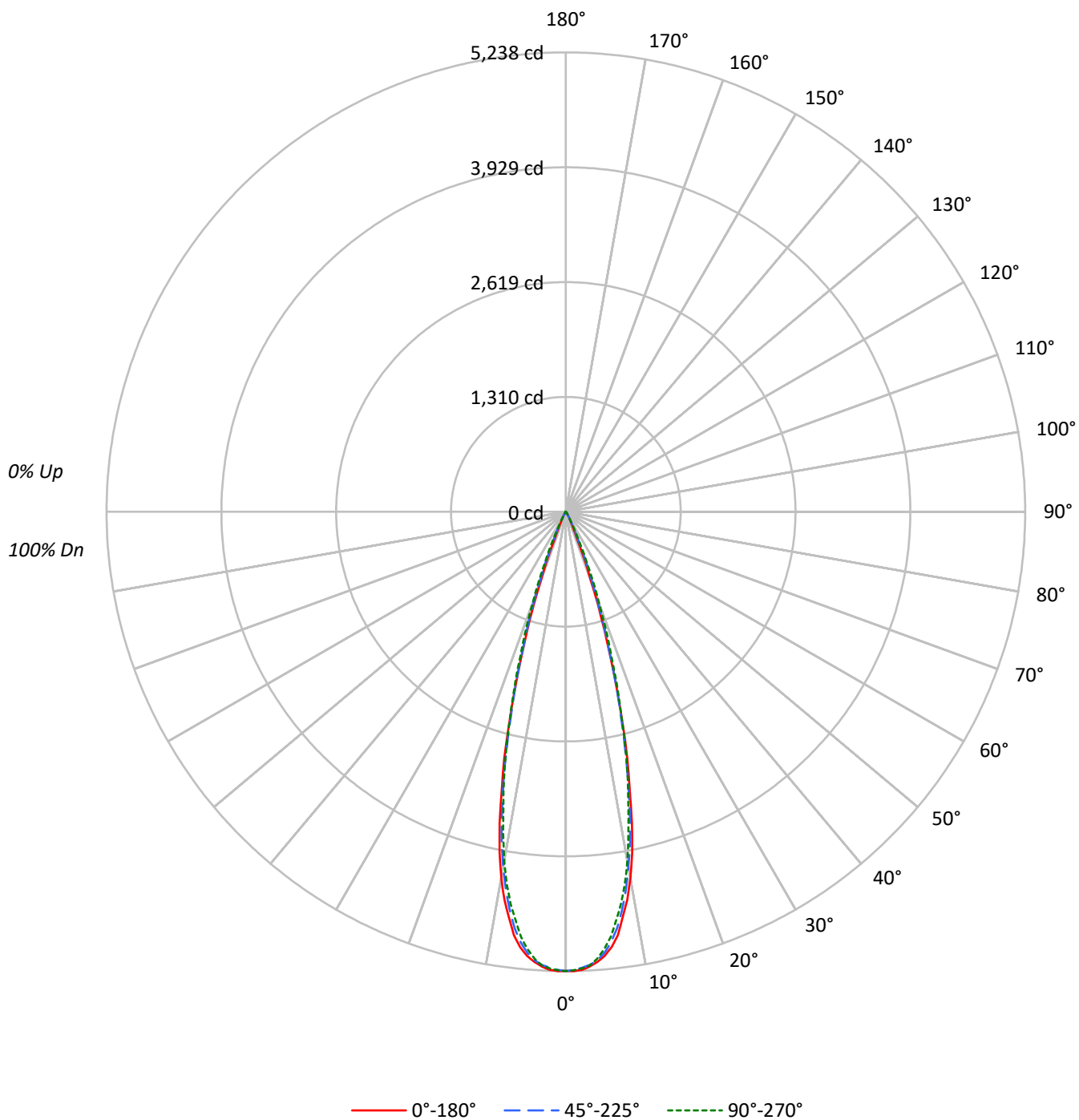
Lumens per Lamp: N/A
Luminaire Lumens: 1269.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	901964	901964	901964
5°	878752	872683	865509
10°	741576	718807	707143
15°	446904	434405	442411
20°	151587	175046	201915
25°	27858	43668	51554
30°	9565	10659	11972
35°	2754	3448	3679
40°	742	1237	989
45°	268	268	268
50°	295	0	295
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.9	35.7
10°-20°	661.9	52.2
20°-30°	140.0	11.0
30°-40°	12.9	1.0
40°-50°	1.3	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1254.8	98.9
0°-40°	1267.7	99.9
0°-60°	1269.0	100.0
0°-90°	1269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5237	5237	5237	5237	5237	
5°	5083	5073	5048	5033	5006	459
15°	2506	2498	2436	2493	2481	661
25°	147	164	230	270	271	107
35°	13	16	16	20	18	11
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	5237.2	5237.2	5237.2	5237.2	5237.2
1°	5238.3	5232.8	5225.2	5236.1	5228.5
2°	5227.4	5214.2	5203.3	5214.2	5211.0
3°	5194.5	5183.6	5175.9	5181.4	5181.4
4°	5145.3	5133.3	5126.7	5127.8	5111.4
5°	5083.0	5073.1	5047.9	5032.6	5006.4
6°	4991.1	4967.0	4936.4	4911.2	4877.3
7°	4866.3	4829.1	4785.4	4741.6	4698.9
8°	4666.1	4648.6	4589.5	4560.0	4517.3
9°	4477.9	4435.3	4371.8	4323.7	4300.7
10°	4240.5	4177.1	4110.3	4072.1	4043.6
11°	3959.4	3894.8	3841.2	3785.4	3741.6
12°	3629.0	3574.3	3513.0	3475.8	3424.4
13°	3237.3	3229.6	3160.7	3148.7	3142.1
14°	2901.4	2870.8	2803.0	2821.6	2825.9
15°	2506.5	2497.7	2436.4	2493.3	2481.3
17.5°	1570.0	1573.2	1611.5	1701.2	1729.7
20°	827.1	852.3	955.1	1063.4	1101.7
22.5°	334.8	390.6	495.6	568.9	618.1
25°	146.6	164.1	229.8	270.2	271.3
27.5°	83.1	84.2	110.5	114.9	117.1
30°	48.1	49.2	53.6	56.9	60.2
32.5°	26.3	28.4	29.5	33.9	33.9
35°	13.1	16.4	16.4	19.7	17.5
37.5°	7.7	8.8	9.8	9.8	8.8
40°	3.3	4.4	5.5	5.5	4.4
42.5°	1.1	2.2	2.2	2.2	3.3
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)