

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: P1307052

Luminaire Tested: P3SQAS17R309027DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307052
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: P3SQAS17R309027DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

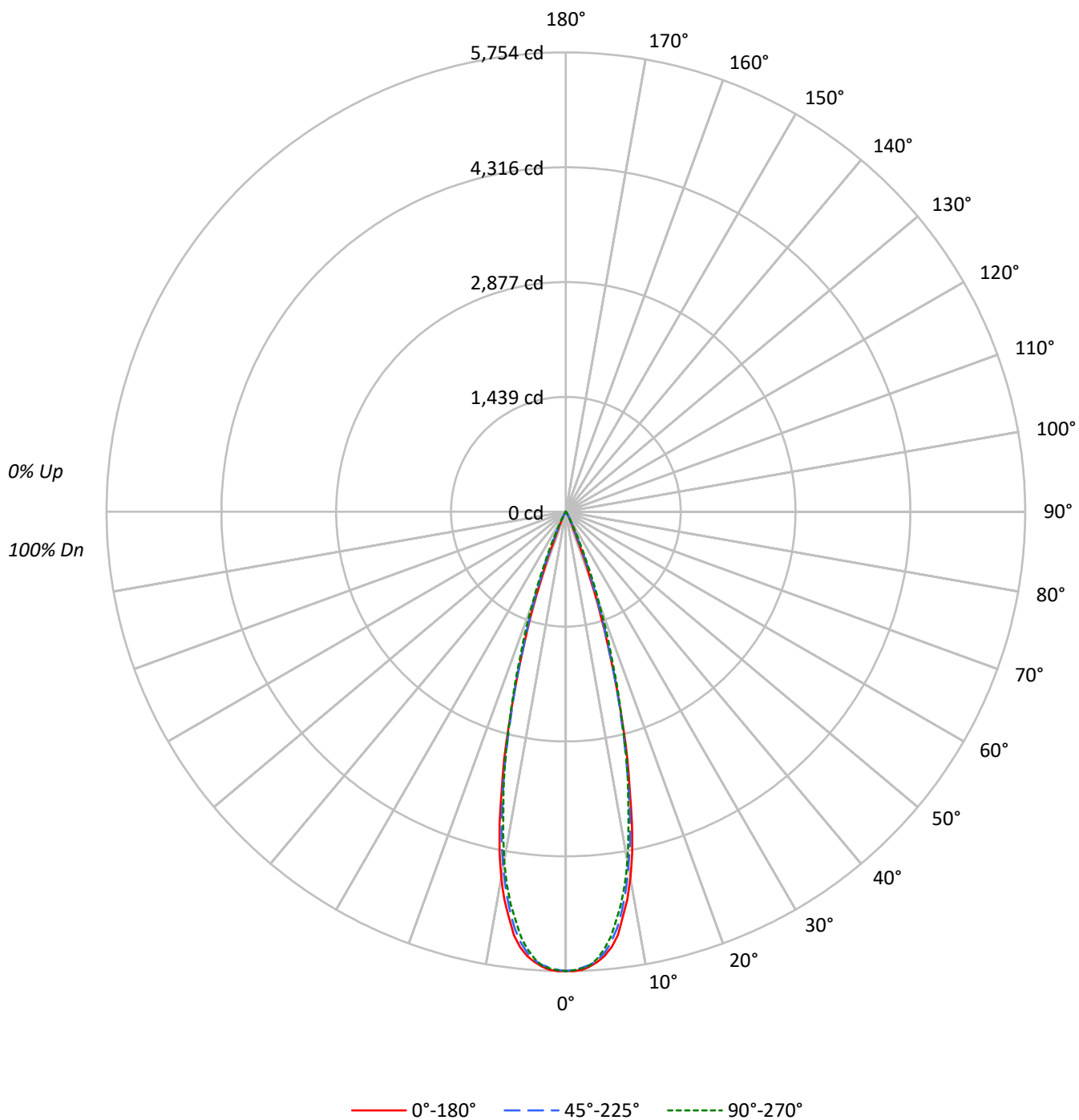
Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	990814	990814	990814
5°	965296	958657	950756
10°	814623	789616	776797
15°	490926	477197	485987
20°	166524	192293	221800
25°	30594	47963	56647
30°	10520	11713	13145
35°	3028	3784	4037
40°	809	1349	1079
45°	292	292	292
50°	322	0	322
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: 339 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.5	35.7
10°-20°	727.1	52.2
20°-30°	153.8	11.0
30°-40°	14.2	1.0
40°-50°	1.4	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°	1378.4	98.9
0°-40°	1392.5	99.9
0°-60°	1394.0	100.0
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5753	5753	5753	5753	5753	
5°	5584	5573	5545	5528	5500	504
15°	2753	2744	2676	2739	2726	726
25°	161	180	252	297	298	117
35°	14	18	18	22	19	12
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°	5753.1	5753.1	5753.1	5753.1	5753.1
1°	5754.3	5748.3	5739.9	5751.9	5743.5
2°	5742.3	5727.9	5715.8	5727.9	5724.3
3°	5706.2	5694.2	5685.8	5691.8	5691.8
4°	5652.1	5638.9	5631.7	5632.9	5614.9
5°	5583.6	5572.8	5545.2	5528.4	5499.5
6°	5482.7	5456.2	5422.6	5395.0	5357.7
7°	5345.7	5304.8	5256.7	5208.7	5161.8
8°	5125.7	5106.5	5041.6	5009.2	4962.3
9°	4919.0	4872.2	4802.5	4749.6	4724.3
10°	4658.2	4588.5	4515.2	4473.2	4441.9
11°	4349.4	4278.5	4219.6	4158.3	4110.2
12°	3986.4	3926.3	3859.0	3818.2	3761.7
13°	3556.2	3547.8	3472.0	3458.8	3451.6
14°	3187.2	3153.6	3079.1	3099.5	3104.3
15°	2753.4	2743.7	2676.4	2738.9	2725.7
17.5°	1724.6	1728.2	1770.3	1868.8	1900.1
20°	908.6	936.2	1049.2	1168.2	1210.2
22.5°	367.8	429.0	544.4	624.9	679.0
25°	161.0	180.3	252.4	296.8	298.1
27.5°	91.3	92.5	121.4	126.2	128.6
30°	52.9	54.1	58.9	62.5	66.1
32.5°	28.8	31.2	32.4	37.3	37.3
35°	14.4	18.0	18.0	21.6	19.2
37.5°	8.4	9.6	10.8	10.8	9.6
40°	3.6	4.8	6.0	6.0	4.8
42.5°	1.2	2.4	2.4	2.4	3.6
45°	1.2	1.2	1.2	1.2	1.2
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	0.0	0.0	0.0	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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)