

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: P1318145

Luminaire Tested: P3SQAS17R309835DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318145
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: P3SQAS17R309835DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

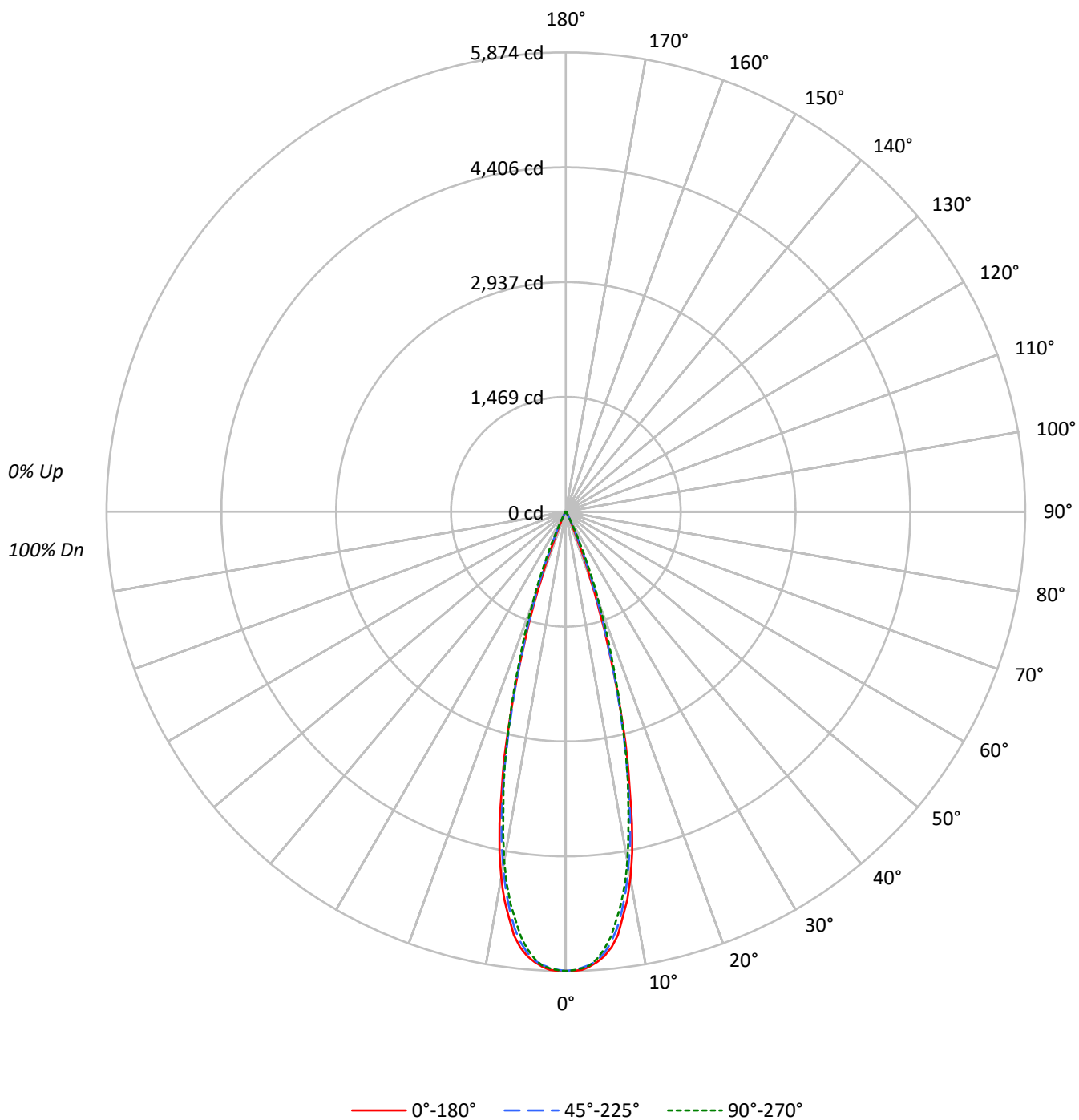
Lumens per Lamp: N/A
Luminaire Lumens: 1423.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1318145

CATALOG NUMBER: P3SQAS17R309835DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318145

CATALOG NUMBER: P3SQAS17R309835DE010 E3SQPH1MW

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°	1011429	1011429	1011429
5°	985384	978590	970534
10°	831569	806054	792956
15°	501124	487128	496096
20°	169988	196288	226419
25°	31240	48951	57825
30°	10739	11952	13423
35°	3091	3869	4121
40°	832	1371	1102
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

TEST NUMBER: P1318145

CATALOG NUMBER: P3SQAS17R309835DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.8	35.7
10°-20°	742.2	52.2
20°-30°	157.0	11.0
30°-40°	14.5	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°	1407.0	98.9
0°-40°	1421.5	99.9
0°-60°	1423.0	100.0
0°-90°	1423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5873	5873	5873	5873	5873	
5°	5700	5689	5660	5643	5614	515
15°	2811	2801	2732	2796	2782	741
25°	164	184	258	303	304	120
35°	15	18	18	22	20	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

TEST NUMBER: P1318145

CATALOG NUMBER: P3SQAS17R309835DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5872.8	5872.8	5872.8	5872.8	5872.8
1°	5874.0	5867.9	5859.3	5871.6	5863.0
2°	5861.7	5847.0	5834.7	5847.0	5843.3
3°	5824.9	5812.7	5804.1	5810.2	5810.2
4°	5769.7	5756.2	5748.9	5750.1	5731.7
5°	5699.8	5688.8	5660.5	5643.4	5613.9
6°	5596.7	5569.8	5535.4	5507.2	5469.2
7°	5456.9	5415.2	5366.1	5317.0	5269.2
8°	5232.4	5212.8	5146.5	5113.4	5065.5
9°	5021.4	4973.5	4902.4	4848.4	4822.6
10°	4755.1	4684.0	4609.2	4566.2	4534.3
11°	4439.9	4367.5	4307.4	4244.8	4195.7
12°	4069.4	4008.0	3939.3	3897.6	3839.9
13°	3630.2	3621.6	3544.3	3530.8	3523.4
14°	3253.5	3219.2	3143.1	3164.0	3168.9
15°	2810.6	2800.8	2732.1	2795.9	2782.4
17.5°	1760.5	1764.2	1807.1	1907.7	1939.6
20°	927.5	955.7	1071.0	1192.5	1235.4
22.5°	375.4	438.0	555.7	637.9	693.2
25°	164.4	184.0	257.6	303.0	304.3
27.5°	93.2	94.5	123.9	128.8	131.3
30°	54.0	55.2	60.1	63.8	67.5
32.5°	29.4	31.9	33.1	38.0	38.0
35°	14.7	18.4	18.4	22.1	19.6
37.5°	8.6	9.8	11.0	11.0	9.8
40°	3.7	4.9	6.1	6.1	4.9
42.5°	1.2	2.5	2.5	2.5	3.7
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



TEST NUMBER: P1318145

CATALOG NUMBER: P3SQAS17R309835DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)