

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: P1317982

Luminaire Tested: P3SQAS13R259835DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259835DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

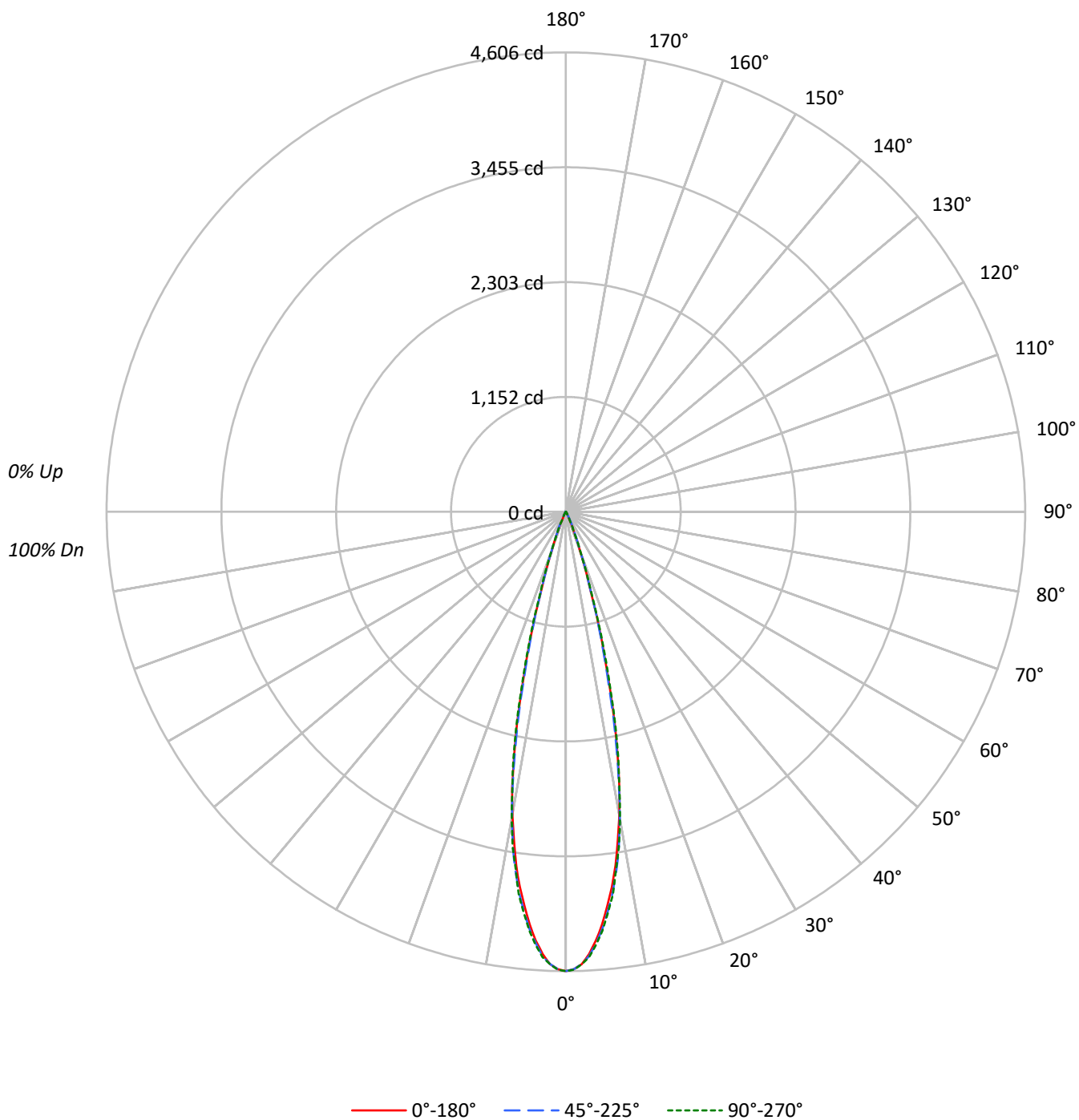
Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1317982

CATALOG NUMBER: P3SQAS13R259835DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317982

CATALOG NUMBER: P3SQAS13R259835DE010 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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	793206	793206	793206
5°	718803	725355	728899
10°	540360	544207	546726
15°	267554	259584	276879
20°	75564	76811	77654
25°	13112	24779	15563
30°	5131	5270	5429
35°	1598	1745	1745
40°	517	674	517
45°	365	195	365
50°	214	0	214
55°	240	0	240
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: 45°

Luminance: 365 cd/sqm

TEST NUMBER: P1317982

CATALOG NUMBER: P3SQAS13R259835DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.9	43.0
10°-20°	412.6	48.5
20°-30°	64.0	7.5
30°-40°	6.5	0.8
40°-50°	0.9	0.1
50°-60°	0.2	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°	842.5	99.1
0°-40°	849.0	99.9
0°-60°	850.0	100.0
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4606	4606	4606	4606	4606	
5°	4158	4165	4196	4212	4216	362
15°	1501	1490	1456	1521	1553	411
25°	69	102	130	99	82	58
35°	8	8	8	9	8	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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: P1317982

CATALOG NUMBER: P3SQAS13R259835DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4605.7	4605.7	4605.7	4605.7	4605.7
1°	4586.8	4592.9	4586.0	4593.6	4592.9
2°	4539.0	4545.1	4536.8	4541.3	4541.3
3°	4441.3	4454.2	4461.7	4467.0	4471.6
4°	4312.4	4326.8	4338.2	4351.8	4351.8
5°	4157.8	4165.4	4195.7	4212.4	4216.2
6°	3973.7	4004.0	4026.7	4060.1	4039.6
7°	3789.5	3814.5	3846.3	3851.6	3866.0
8°	3580.3	3606.8	3636.4	3631.1	3619.0
9°	3325.7	3364.3	3399.2	3387.8	3403.0
10°	3089.9	3113.4	3111.9	3100.6	3126.3
11°	2816.3	2821.7	2792.1	2838.3	2810.3
12°	2492.0	2496.5	2458.6	2504.1	2532.9
13°	2181.2	2170.6	2118.3	2178.2	2214.6
14°	1823.5	1827.3	1760.6	1876.6	1867.5
15°	1500.6	1490.0	1455.9	1521.1	1552.9
17.5°	799.6	806.4	798.1	830.7	851.1
20°	412.3	423.7	419.1	432.8	423.7
22.5°	213.7	229.6	234.2	223.6	194.8
25°	69.0	102.3	130.4	99.3	81.9
27.5°	41.7	40.9	63.7	44.0	44.7
30°	25.8	25.0	26.5	26.5	27.3
32.5°	14.4	15.2	14.4	15.9	15.2
35°	7.6	8.3	8.3	9.1	8.3
37.5°	4.5	5.3	5.3	5.3	4.5
40°	2.3	3.0	3.0	2.3	2.3
42.5°	1.5	1.5	1.5	1.5	1.5
45°	1.5	0.8	0.8	0.8	1.5
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.8	0.0	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.8	0.0	0.0	0.0	0.8
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: P1317982

CATALOG NUMBER: P3SQAS13R259835DE010 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)