

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: P1316410

Luminaire Tested: P3SQAS17R359827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

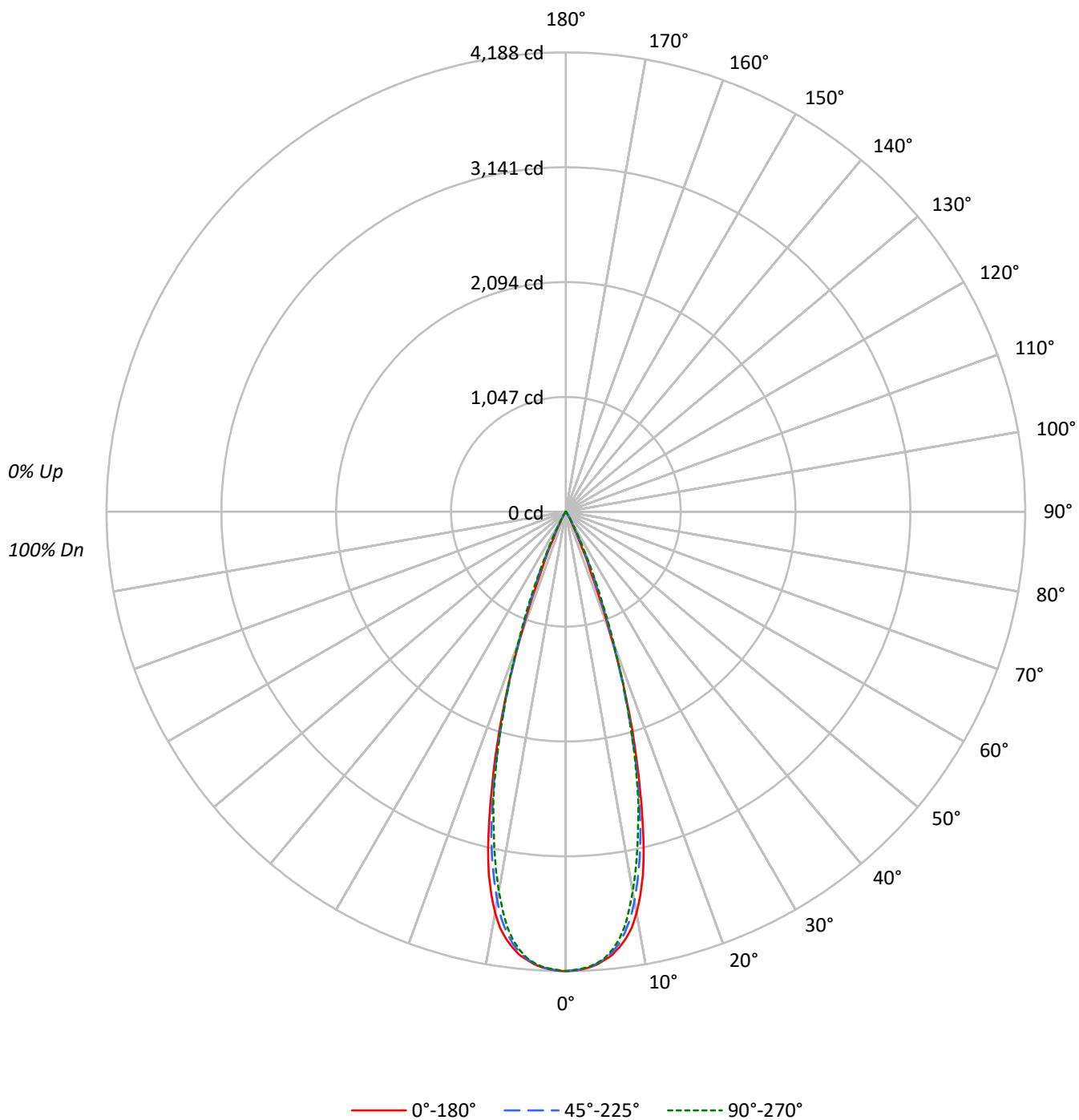
Lumens per Lamp: N/A
Luminaire Lumens: 1271.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316410

CATALOG NUMBER: P3SQAS17R359827DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316410

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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	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	721182	721182	721182
5°	708793	707289	705767
10°	649607	630073	614754
15°	465144	450309	444854
20°	215697	223120	230945
25°	51174	72818	75935
30°	15014	17202	19370
35°	3448	5529	5067
40°	742	1484	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

TEST NUMBER: P1316410

CATALOG NUMBER: P3SQAS17R359827DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.0	29.6
10°-20°	672.1	52.9
20°-30°	202.2	15.9
30°-40°	19.3	1.5
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°	1250.3	98.4
0°-40°	1269.6	99.9
0°-60°	1271.0	100.0
0°-90°	1271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4188	4188	4188	4188	4188	
5°	4100	4099	4091	4086	4082	380
15°	2609	2589	2526	2515	2495	689
25°	269	297	383	400	400	173
35°	16	22	26	28	24	15
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: P1316410

CATALOG NUMBER: P3SQAS17R359827DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4187.5	4187.5	4187.5	4187.5	4187.5
1°	4185.3	4185.3	4183.1	4183.1	4178.7
2°	4175.5	4176.6	4172.2	4171.1	4167.8
3°	4160.1	4156.9	4156.9	4154.7	4152.5
4°	4136.1	4129.5	4127.3	4128.4	4124.0
5°	4099.9	4098.8	4091.2	4085.7	4082.4
6°	4060.5	4052.8	4036.4	4022.2	4018.9
7°	4001.4	3985.0	3970.7	3941.2	3936.8
8°	3929.1	3902.9	3872.2	3830.6	3828.4
9°	3840.5	3797.8	3755.1	3699.2	3679.5
10°	3714.6	3675.2	3602.9	3553.6	3515.3
11°	3558.0	3508.7	3424.4	3365.3	3333.6
12°	3380.7	3334.7	3236.1	3182.5	3137.6
13°	3152.9	3114.6	3022.7	2963.5	2928.5
14°	2889.1	2860.6	2773.1	2746.8	2734.7
15°	2608.8	2589.1	2525.6	2514.7	2495.0
17.5°	1920.2	1887.4	1851.3	1857.8	1864.4
20°	1176.9	1222.9	1217.4	1241.5	1260.1
22.5°	586.8	645.9	714.9	756.5	777.3
25°	269.3	296.7	383.2	399.6	399.6
27.5°	135.8	142.3	180.6	183.9	192.7
30°	75.5	81.0	86.5	96.3	97.4
32.5°	38.3	44.9	47.1	52.5	50.4
35°	16.4	21.9	26.3	28.5	24.1
37.5°	7.7	9.9	14.2	13.1	9.9
40°	3.3	4.4	6.6	5.5	4.4
42.5°	2.2	2.2	3.3	2.2	2.2
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



TEST NUMBER: P1316410

CATALOG NUMBER: P3SQAS17R359827DE010 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)