

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: P1312604

Luminaire Tested: P3SQAS17R359727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

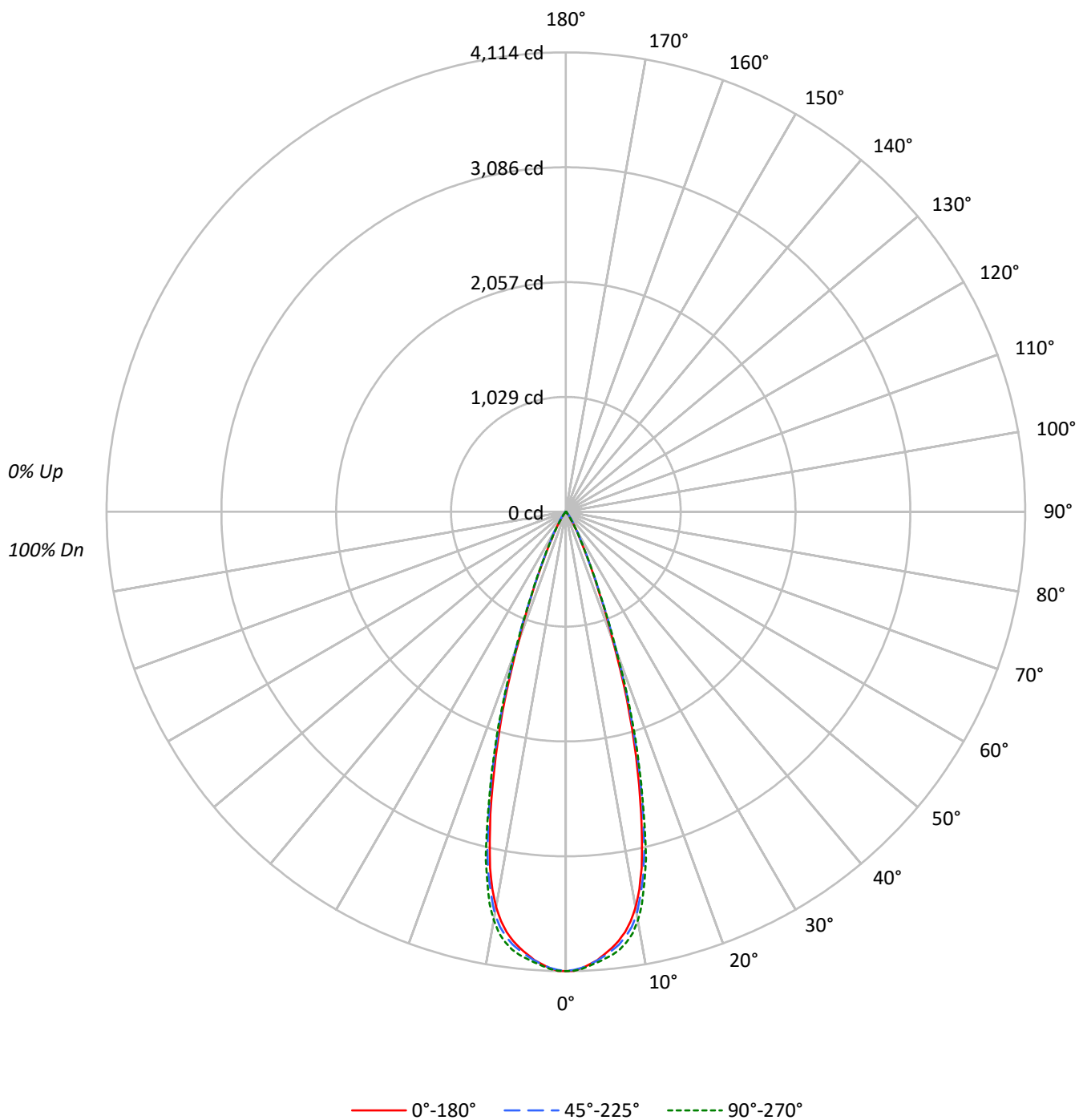
Lumens per Lamp: N/A
Luminaire Lumens: 1382.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	708558	708558	708558
5°	687598	690018	694686
10°	628971	639901	649712
15°	451486	468014	472828
20°	227097	240347	240934
25°	86063	88742	89142
30°	34961	40111	34304
35°	12699	19279	12236
40°	5328	8251	5081
45°	1315	3410	1315
50°	857	1447	857
55°	961	961	961
60°	1102	1102	1102
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3410 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	26.9
10°-20°	693.0	50.1
20°-30°	249.2	18.0
30°-40°	52.4	3.8
40°-50°	9.0	0.7
50°-60°	2.9	0.2
60°-70°	2.2	0.2
70°-80°	1.2	0.1
80°-90°	0.2	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°	1314.2	95.1
0°-40°	1366.6	98.9
0°-60°	1378.5	99.7
0°-90°	1382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	3977	3985	3991	4018	4018	369
15°	2532	2576	2625	2653	2652	674
25°	453	459	467	471	469	241
35°	60	71	92	70	58	46
45°	5	9	14	9	5	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.2	4114.2	4114.2	4114.2	4114.2
1°	4112.1	4112.1	4103.4	4113.2	4109.9
2°	4089.4	4091.6	4086.2	4098.1	4097.0
3°	4058.2	4063.5	4059.2	4076.5	4071.1
4°	4024.7	4029.0	4026.9	4048.4	4046.3
5°	3977.3	3984.8	3991.3	4018.3	4018.3
6°	3928.7	3936.3	3950.3	3979.4	3989.1
7°	3872.7	3882.4	3905.0	3943.8	3950.3
8°	3801.5	3812.3	3843.5	3885.6	3894.2
9°	3713.1	3729.2	3764.8	3815.5	3820.9
10°	3596.6	3609.5	3659.1	3701.2	3715.2
11°	3445.6	3456.4	3500.6	3568.5	3577.2
12°	3262.3	3275.2	3332.4	3376.6	3385.2
13°	3030.4	3055.2	3124.2	3167.4	3191.1
14°	2792.1	2825.5	2875.1	2936.6	2921.5
15°	2532.2	2576.4	2624.9	2653.0	2651.9
17.5°	1894.8	1920.7	1963.8	1980.0	2001.6
20°	1239.1	1272.6	1311.4	1326.5	1314.6
22.5°	768.9	777.6	789.4	795.9	793.7
25°	452.9	459.4	467.0	471.3	469.1
27.5°	272.8	287.9	298.7	285.8	278.2
30°	175.8	182.3	201.7	184.4	172.5
32.5°	104.6	119.7	135.9	115.4	100.3
35°	60.4	71.2	91.7	70.1	58.2
37.5°	38.8	44.2	59.3	43.1	37.7
40°	23.7	30.2	36.7	28.0	22.6
42.5°	11.9	18.3	21.6	16.2	11.9
45°	5.4	8.6	14.0	8.6	5.4
47.5°	3.2	4.3	8.6	4.3	3.2
50°	3.2	3.2	5.4	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	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)