

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: P1312937

Luminaire Tested: P3SQAS02R359730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312937
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: P3SQAS02R359730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

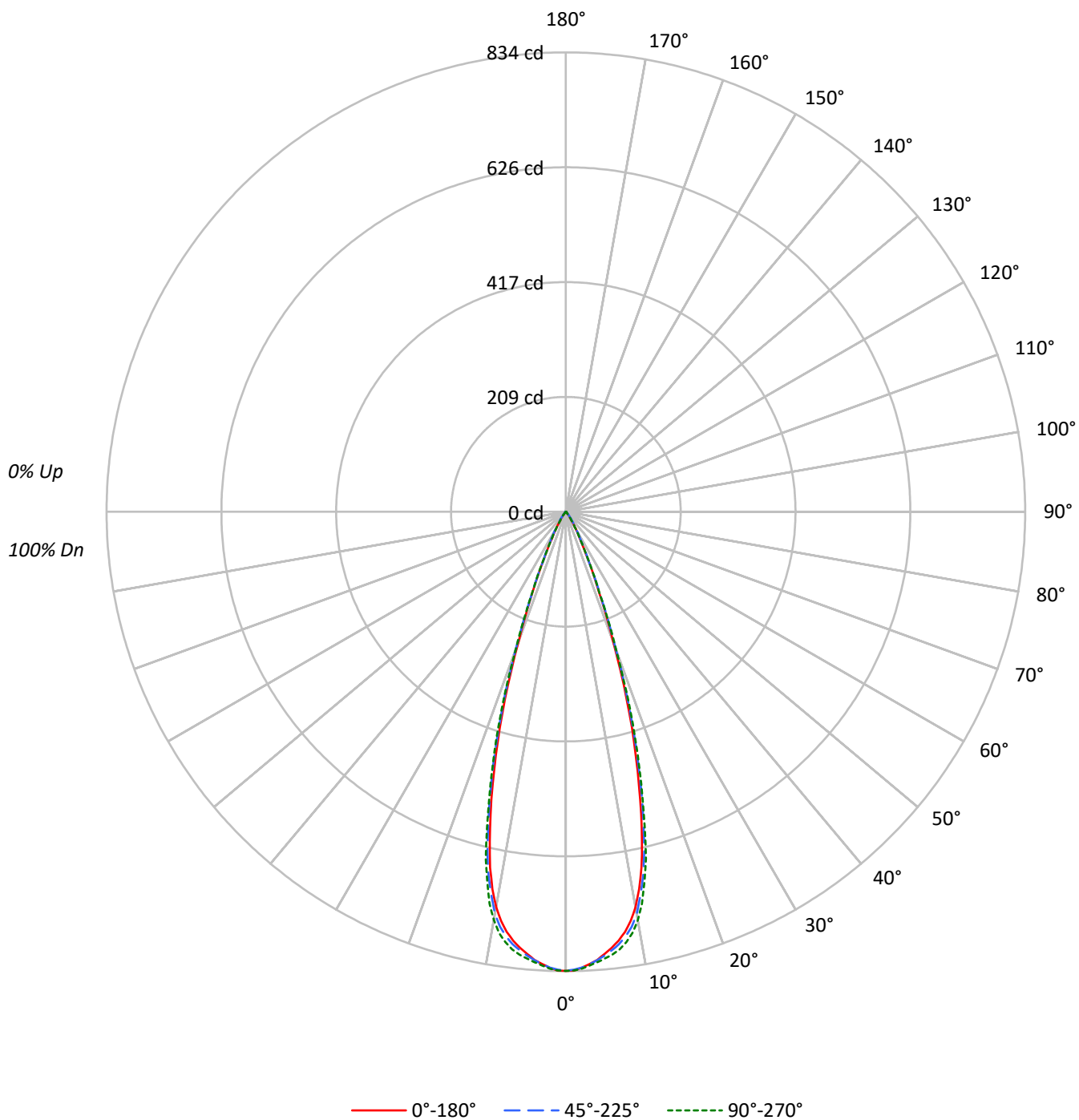
Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°	143565	143565	143565
5°	139307	139808	140742
10°	127435	129656	131632
15°	91467	94819	95800
20°	46020	48696	48806
25°	17444	17977	18053
30°	7080	8134	6960
35°	2565	3911	2481
40°	1079	1664	1034
45°	268	682	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	26.9
10°-20°	140.4	50.1
20°-30°	50.5	18.0
30°-40°	10.6	3.8
40°-50°	1.8	0.7
50°-60°	0.6	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
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°	266.3	95.1
0°-40°	276.9	98.9
0°-60°	279.3	99.8
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	806	807	809	814	814	75
15°	513	522	532	538	537	137
25°	92	93	95	96	95	49
35°	12	14	19	14	12	9
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	833.6	833.6	833.6	833.6	833.6
1°	833.1	833.1	831.4	833.3	832.7
2°	828.5	829.0	827.9	830.3	830.1
3°	822.2	823.3	822.4	825.9	824.8
4°	815.4	816.3	815.9	820.2	819.8
5°	805.8	807.3	808.7	814.1	814.1
6°	796.0	797.5	800.4	806.3	808.2
7°	784.6	786.6	791.2	799.0	800.4
8°	770.2	772.4	778.7	787.2	789.0
9°	752.3	755.6	762.8	773.0	774.1
10°	728.7	731.3	741.4	749.9	752.7
11°	698.1	700.3	709.2	723.0	724.8
12°	661.0	663.6	675.2	684.1	685.9
13°	614.0	619.0	633.0	641.7	646.5
14°	565.7	572.5	582.5	595.0	591.9
15°	513.0	522.0	531.8	537.5	537.3
17.5°	383.9	389.1	397.9	401.2	405.5
20°	251.1	257.8	265.7	268.8	266.3
22.5°	155.8	157.5	159.9	161.3	160.8
25°	91.8	93.1	94.6	95.5	95.0
27.5°	55.3	58.3	60.5	57.9	56.4
30°	35.6	36.9	40.9	37.4	35.0
32.5°	21.2	24.3	27.5	23.4	20.3
35°	12.2	14.4	18.6	14.2	11.8
37.5°	7.9	9.0	12.0	8.7	7.6
40°	4.8	6.1	7.4	5.7	4.6
42.5°	2.4	3.7	4.4	3.3	2.4
45°	1.1	1.7	2.8	1.7	1.1
47.5°	0.7	0.9	1.7	0.9	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	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)