

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: P1313043

Luminaire Tested: P3SQAS05R159730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

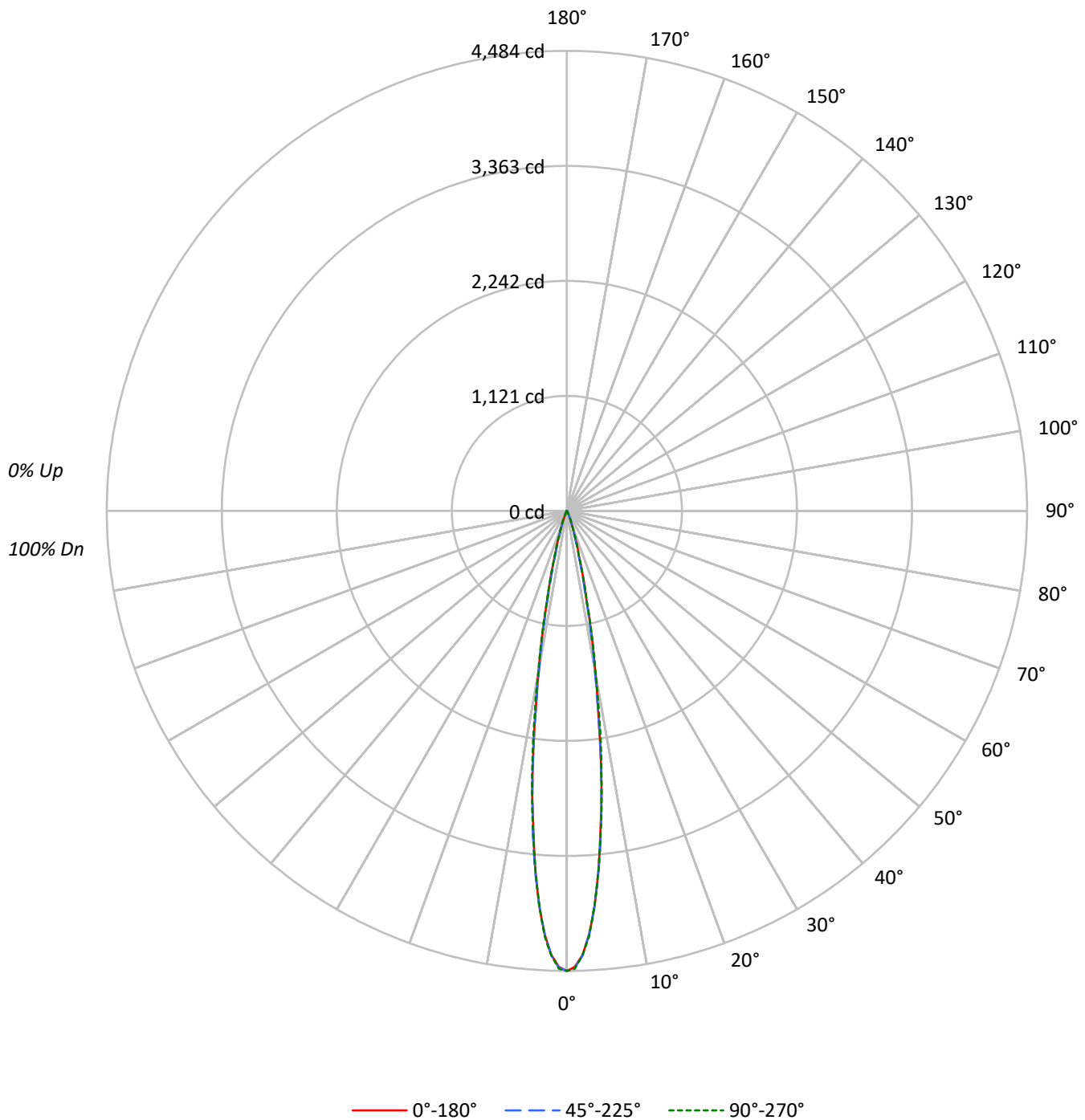
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	105	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	772264	772264	772264
5°	609162	610804	608626
10°	278705	271395	284581
15°	82873	73976	81179
20°	24614	23862	25842
25°	6993	9045	8114
30°	2506	2685	2406
35°	946	841	841
40°	405	202	292
45°	219	97	219
50°	107	0	107
55°	120	0	120
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: 47.5°

Luminance: 229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	60.3
10°-20°	150.4	33.5
20°-30°	23.9	5.3
30°-40°	3.1	0.7
40°-50°	0.4	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°	445.3	99.2
0°-40°	448.4	99.9
0°-60°	449.0	100.0
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4484	4484	4484	4484	4484	
5°	3524	3553	3533	3518	3520	270
15°	465	459	415	441	455	153
25°	37	41	48	47	43	22
35°	4	4	4	4	4	3
45°	1	1	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1	4484.1
1°	4445.5	4450.5	4456.8	4450.9	4445.5	4450.5	4443.7	4444.6	4439.2	4450.9	4463.9
2°	4332.4	4338.7	4335.1	4327.0	4339.6	4340.5	4326.5	4319.8	4318.9	4330.6	4335.1
3°	4132.1	4146.5	4146.9	4144.2	4140.2	4132.1	4117.7	4127.2	4114.1	4106.1	4151.9
4°	3865.8	3878.4	3893.2	3883.3	3853.7	3856.4	3865.8	3833.9	3835.7	3854.1	3855.5
5°	3523.6	3561.8	3563.6	3549.7	3526.3	3533.1	3526.3	3517.4	3520.5	3532.2	3520.5
6°	3120.9	3164.0	3132.1	3162.6	3155.9	3164.4	3166.7	3157.2	3164.0	3156.8	3154.5
7°	2772.8	2740.1	2744.6	2732.0	2745.5	2754.4	2759.8	2743.7	2756.7	2777.3	2783.2
8°	2341.3	2331.9	2322.5	2344.9	2338.6	2349.4	2356.1	2374.1	2373.2	2379.5	2400.1
9°	1930.4	1944.4	1952.9	1933.1	1950.2	1917.0	1928.6	1976.7	1964.1	1976.7	2013.5
10°	1593.7	1604.9	1592.3	1591.9	1573.9	1551.9	1550.5	1568.5	1606.2	1635.9	1627.3
12.5°	879.2	889.1	890.5	889.6	857.2	820.9	827.6	842.0	865.3	875.2	891.4
15°	464.8	464.3	469.3	455.3	438.3	414.9	416.7	436.5	454.0	458.5	455.3
17.5°	238.4	239.3	242.9	239.3	221.4	223.6	228.6	230.8	241.1	245.2	242.9
20°	134.3	134.7	134.3	135.6	128.4	130.2	136.5	137.0	139.2	141.4	141.0
22.5°	76.8	77.2	79.9	79.0	77.2	79.5	80.8	83.1	84.0	83.1	85.8
25°	36.8	37.3	37.3	42.7	45.4	47.6	48.5	47.6	46.7	43.1	42.7
27.5°	21.1	21.1	22.0	22.5	23.4	27.4	26.9	22.5	18.9	18.9	19.3
30°	12.6	12.1	12.1	12.6	13.0	13.5	12.6	12.1	12.1	12.6	12.1
32.5°	7.6	7.6	7.6	7.2	7.2	6.7	6.7	7.6	7.6	7.6	7.6
35°	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.0	4.0
37.5°	2.7	2.7	2.7	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2
40°	1.8	1.8	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.3
42.5°	1.3	1.3	0.9	0.9	0.4	0.4	0.4	0.9	0.9	0.9	0.9
45°	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
47.5°	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)