

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: P1312870

Luminaire Tested: P3SQAS02R159730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

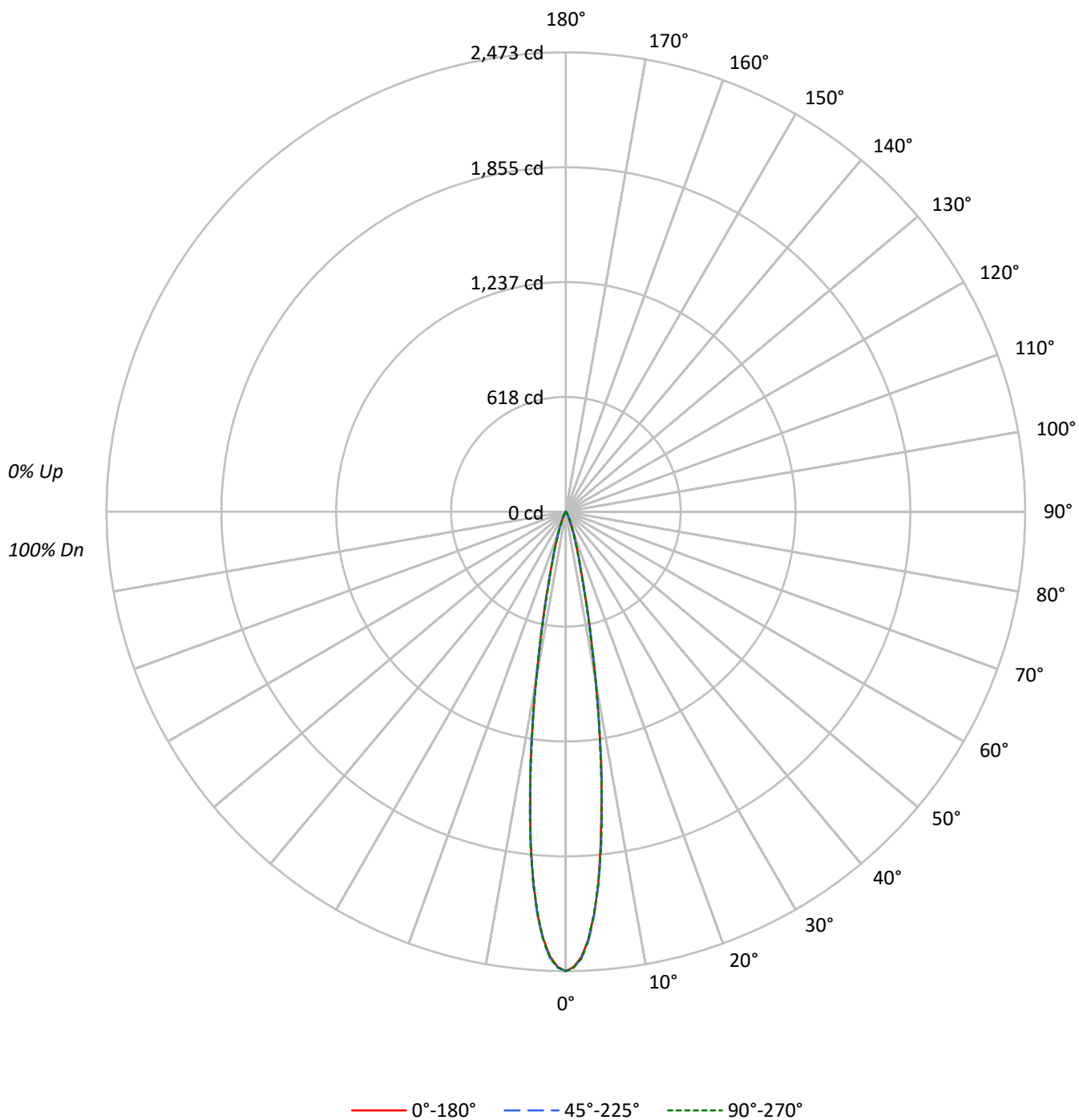
Lumens per Lamp: N/A
Luminaire Lumens: 276.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	425907	425907	425907
5°	346764	347887	347213
10°	161763	163215	161151
15°	50797	51225	50904
20°	20124	20930	19482
25°	8133	9824	7848
30°	3261	4474	3082
35°	967	1976	925
40°	292	742	247
45°	49	170	49
50°	0	54	0
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: 45°

Vertical Angle: 45°

Luminance: 170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	56.1
10°-20°	92.6	33.6
20°-30°	23.4	8.5
30°-40°	4.8	1.7
40°-50°	0.4	0.2
50°-60°	0.0	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°	270.8	98.1
0°-40°	275.5	99.8
0°-60°	276.0	100.0
0°-90°	276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2473	2473	2473	2473	2473	
5°	2006	2002	2012	2007	2008	154
15°	285	287	287	283	286	93
25°	43	47	52	46	41	22
35°	5	6	9	6	4	4
45°	0	0	1	0	0	0
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°	22.5°	45°	67.5°	90°
0°	2473.0	2473.0	2473.0	2473.0	2473.0
1°	2450.7	2459.0	2454.6	2458.1	2454.2
2°	2397.6	2408.8	2405.3	2404.2	2407.2
3°	2304.2	2317.1	2316.6	2313.4	2308.1
4°	2176.7	2171.5	2179.5	2178.7	2169.7
5°	2005.8	2002.1	2012.3	2007.3	2008.4
6°	1796.6	1812.8	1809.3	1809.7	1813.9
7°	1572.0	1580.7	1588.2	1594.3	1585.8
8°	1365.7	1363.5	1364.2	1371.2	1347.6
9°	1134.7	1148.3	1139.5	1125.6	1134.5
10°	925.0	933.3	933.3	921.0	921.5
11°	737.4	744.2	739.4	742.5	723.2
12°	594.4	577.6	573.7	576.8	576.5
13°	453.9	454.9	453.9	453.6	451.5
14°	355.8	361.5	359.1	353.2	350.6
15°	284.9	287.3	287.3	283.1	285.5
17.5°	171.2	174.0	174.6	171.8	171.8
20°	109.8	111.1	114.2	110.0	106.3
22.5°	67.7	70.5	75.8	69.6	66.6
25°	42.8	46.7	51.7	45.8	41.3
27.5°	26.9	30.1	34.5	28.8	26.0
30°	16.4	18.6	22.5	18.1	15.5
32.5°	9.2	10.9	14.2	10.5	8.7
35°	4.6	6.1	9.4	5.9	4.4
37.5°	2.6	3.3	5.9	2.8	2.4
40°	1.3	1.7	3.3	1.7	1.1
42.5°	0.4	0.9	1.3	0.9	0.4
45°	0.2	0.4	0.7	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)