

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: P1318094

Luminaire Tested: P3SQAS17R159835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

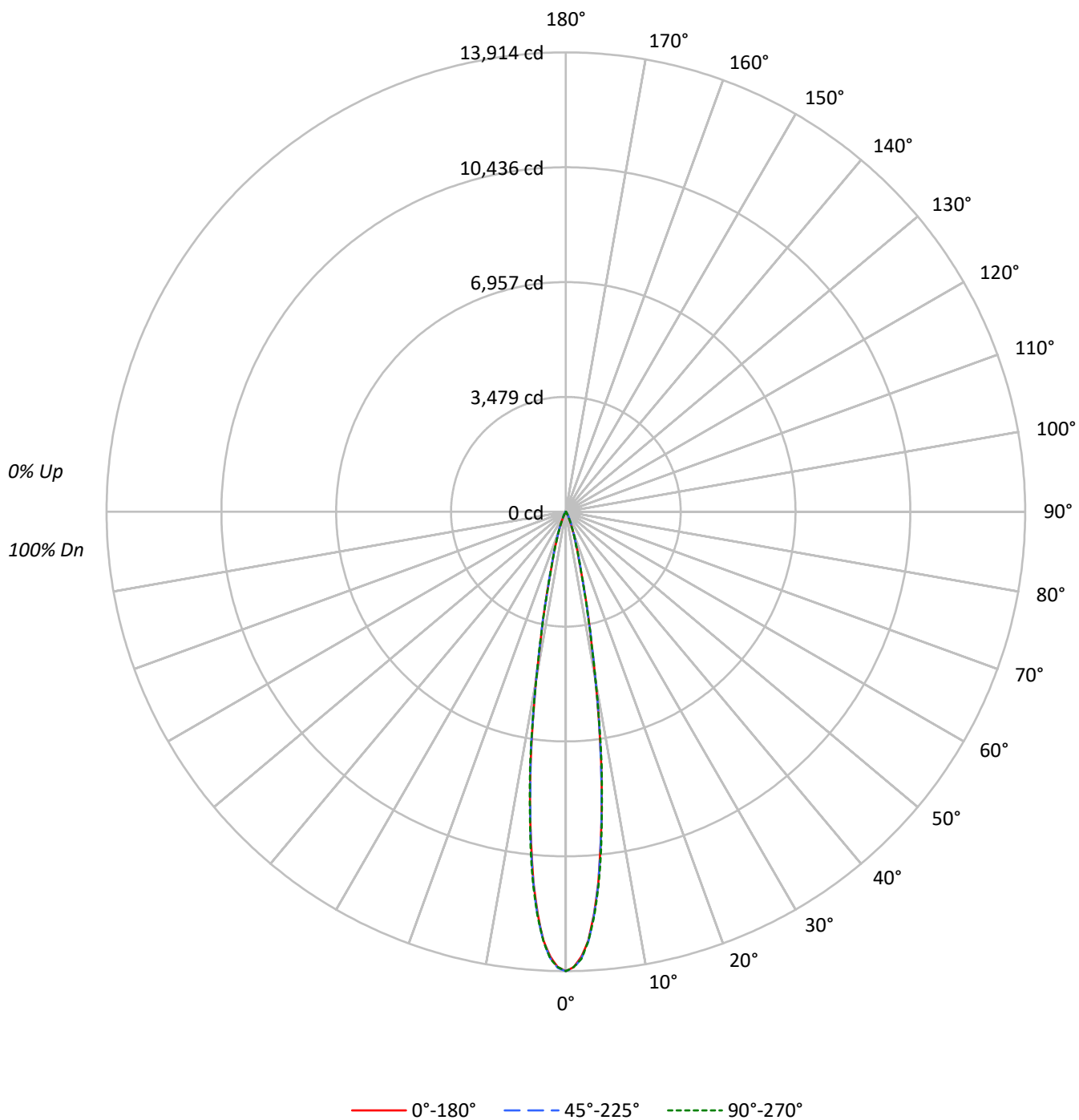
Lumens per Lamp: N/A
Luminaire Lumens: 1562.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2396289	2396289	2396289
5°	1948519	1955313	1962090
10°	907449	908324	903375
15°	280766	290840	285366
20°	111945	118231	110588
25°	46842	55241	44504
30°	19031	25355	17560
35°	6181	11606	5677
40°	2203	4676	2203
45°	901	1486	901
50°	670	991	670
55°	751	751	751
60°	861	861	861
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.9	55.8
10°-20°	520.7	33.3
20°-30°	132.5	8.5
30°-40°	28.8	1.8
40°-50°	4.6	0.3
50°-60°	2.3	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1524.2	97.6
0°-40°	1553.0	99.4
0°-60°	1559.9	99.9
0°-90°	1562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13914	13914	13914	13914	13914	
5°	11271	11287	11310	11259	11349	869
15°	1575	1619	1631	1608	1600	518
25°	246	264	291	258	234	125
35°	29	38	55	37	27	23
45°	4	5	6	5	4	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	13913.9	13913.9	13913.9	13913.9	13913.9
1°	13792.5	13815.8	13819.5	13815.8	13796.2
2°	13482.2	13550.9	13536.2	13506.7	13548.4
3°	13002.7	13037.0	13032.1	13034.6	13024.7
4°	12222.7	12282.7	12248.4	12274.2	12276.6
5°	11270.9	11286.9	11310.2	11258.7	11349.4
6°	10099.7	10201.5	10112.0	10200.3	10235.8
7°	8908.8	8967.7	8853.6	8915.0	8951.8
8°	7691.0	7588.0	7650.5	7651.7	7773.1
9°	6376.2	6397.1	6449.8	6389.7	6442.5
10°	5189.0	5236.9	5194.0	5173.1	5165.7
11°	4097.5	4151.5	4147.8	4153.9	4113.5
12°	3296.7	3268.4	3286.8	3226.8	3253.7
13°	2565.7	2566.9	2552.2	2527.7	2505.6
14°	2010.1	1997.9	2032.2	2001.5	1973.3
15°	1574.7	1618.9	1631.2	1607.9	1600.5
17.5°	971.3	972.6	989.7	967.7	965.2
20°	610.8	625.5	645.1	621.8	603.4
22.5°	386.3	399.8	430.5	401.0	375.3
25°	246.5	263.7	290.7	257.6	234.2
27.5°	154.5	170.5	196.2	165.6	148.4
30°	95.7	106.7	127.5	104.2	88.3
32.5°	55.2	66.2	83.4	62.5	52.7
35°	29.4	38.0	55.2	36.8	27.0
37.5°	17.2	22.1	35.6	19.6	15.9
40°	9.8	13.5	20.8	12.3	9.8
42.5°	6.1	8.6	9.8	7.4	4.9
45°	3.7	4.9	6.1	4.9	3.7
47.5°	2.5	3.7	4.9	2.5	2.5
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
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)