

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: P1315455

Luminaire Tested: P3SQAS17R159740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315455
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: P3SQAS17R159740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

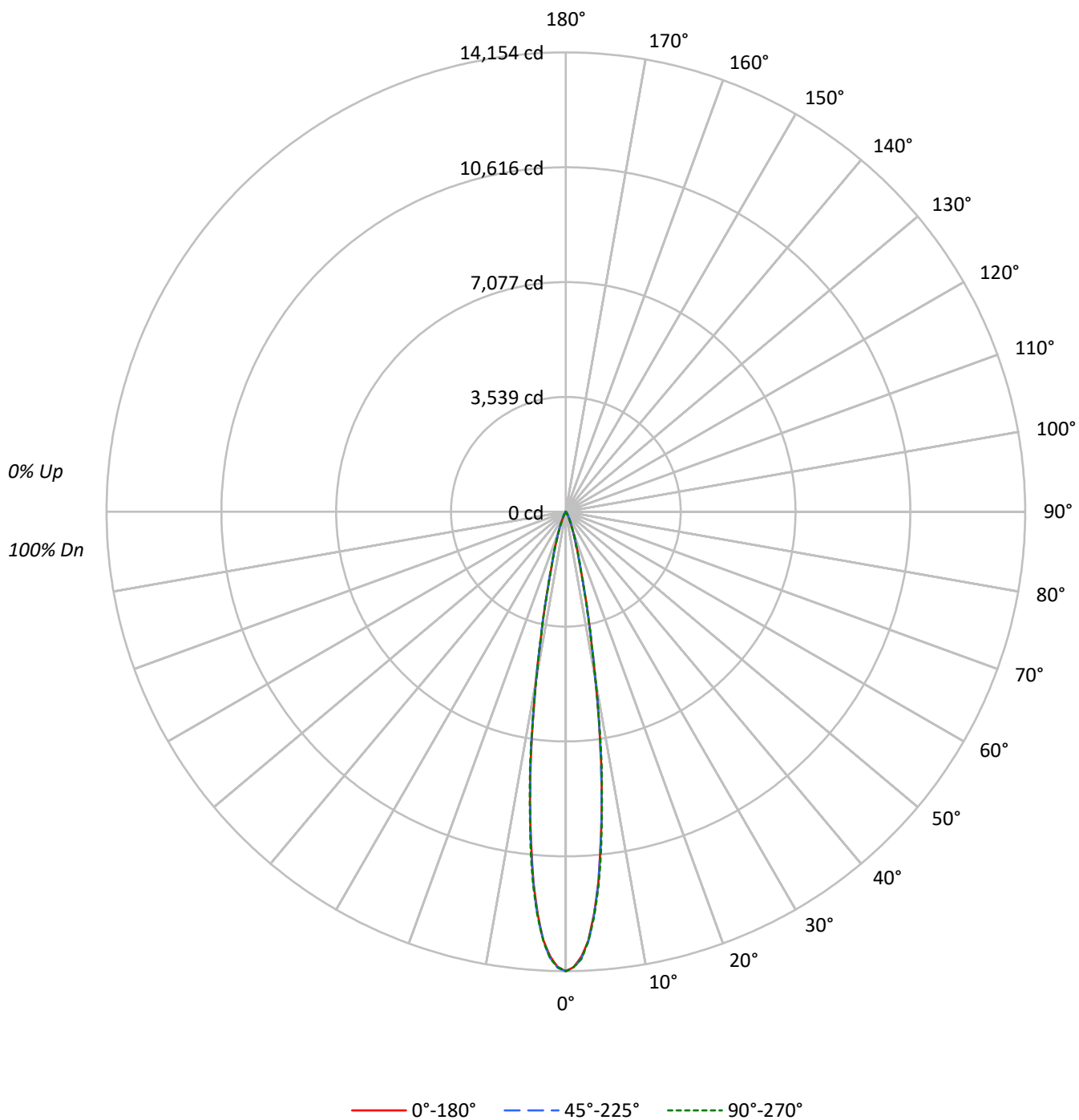
Lumens per Lamp: N/A
Luminaire Lumens: 1588.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2437708	2437708	2437708
5°	1982213	1989111	1996009
10°	923136	924011	918992
15°	285633	295868	290305
20°	113869	120284	112495
25°	47659	56191	45283
30°	19350	25813	17858
35°	6286	11795	5761
40°	2248	4766	2248
45°	901	1510	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: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.0	55.8
10°-20°	529.7	33.3
20°-30°	134.8	8.5
30°-40°	29.3	1.8
40°-50°	4.7	0.3
50°-60°	2.3	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1550.5	97.6
0°-40°	1579.8	99.4
0°-60°	1586.8	99.9
0°-90°	1588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14154	14154	14154	14154	14154	
5°	11466	11482	11506	11453	11546	884
15°	1602	1647	1659	1636	1628	527
25°	251	268	296	262	238	127
35°	30	39	56	37	27	24
45°	4	5	6	5	4	4
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°	14154.4	14154.4	14154.4	14154.4	14154.4
1°	14030.9	14054.6	14058.3	14054.6	14034.6
2°	13715.2	13785.1	13770.1	13740.2	13782.6
3°	13227.4	13262.4	13257.4	13259.9	13249.9
4°	12433.9	12495.1	12460.1	12486.3	12488.8
5°	11465.8	11482.0	11505.7	11453.3	11545.6
6°	10274.3	10377.8	10286.7	10376.6	10412.8
7°	9062.8	9122.7	9006.7	9069.1	9106.5
8°	7823.9	7719.1	7782.7	7784.0	7907.5
9°	6486.5	6507.7	6561.3	6500.2	6553.8
10°	5278.7	5327.4	5283.7	5262.5	5255.0
11°	4168.3	4223.2	4219.5	4225.7	4184.6
12°	3353.6	3324.9	3343.7	3282.5	3310.0
13°	2610.1	2611.3	2596.3	2571.4	2548.9
14°	2044.9	2032.4	2067.3	2036.1	2007.4
15°	1602.0	1646.9	1659.4	1635.6	1628.2
17.5°	988.1	989.4	1006.8	984.4	981.9
20°	621.3	636.3	656.3	632.6	613.8
22.5°	393.0	406.7	437.9	408.0	381.8
25°	250.8	268.2	295.7	262.0	238.3
27.5°	157.2	173.4	199.6	168.4	151.0
30°	97.3	108.5	129.8	106.0	89.8
32.5°	56.1	67.4	84.8	63.6	53.6
35°	29.9	38.7	56.1	37.4	27.4
37.5°	17.5	22.5	36.2	20.0	16.2
40°	10.0	13.7	21.2	12.5	10.0
42.5°	6.2	8.7	10.0	7.5	5.0
45°	3.7	5.0	6.2	5.0	3.7
47.5°	2.5	3.7	5.0	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)