

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: P1310355

Luminaire Tested: P3SQAS17R159040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310355
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: P3SQAS17R159040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

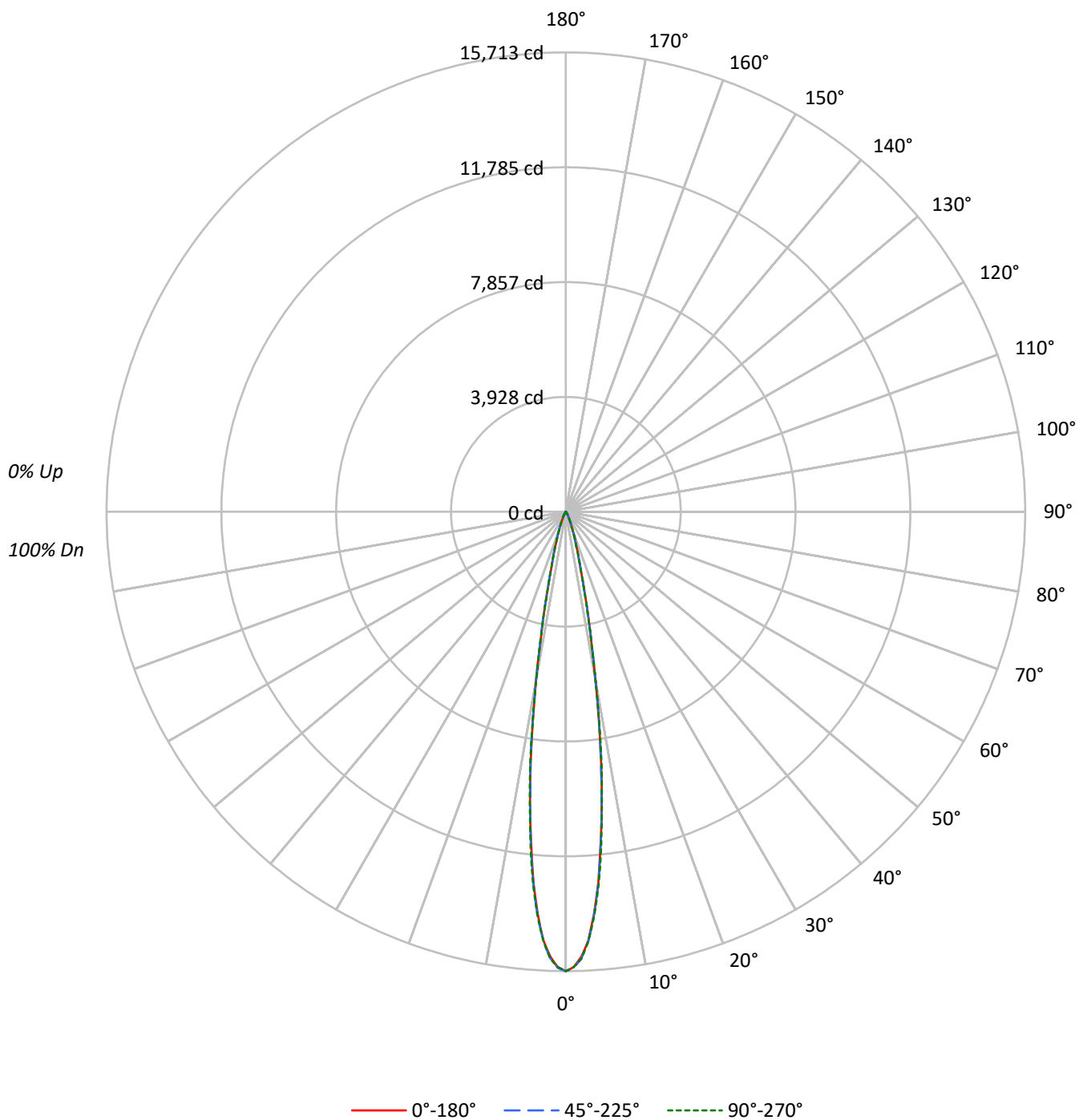
Lumens per Lamp: N/A
Luminaire Lumens: 1764.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	86		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°	2706186	2706186	2706186
5°	2200509	2208168	2215844
10°	1024811	1025773	1020212
15°	317085	328443	322274
20°	126405	133516	124884
25°	52903	62386	50262
30°	21477	28637	19827
35°	6980	13098	6412
40°	2496	5283	2496
45°	1023	1681	1023
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1681 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.6	55.8
10°-20°	588.1	33.3
20°-30°	149.6	8.5
30°-40°	32.5	1.8
40°-50°	5.2	0.3
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	0.9	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°	1721.3	97.6
0°-40°	1753.8	99.4
0°-60°	1761.6	99.9
0°-90°	1764.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15713	15713	15713	15713	15713	
5°	12728	12746	12773	12715	12817	981
15°	1778	1828	1842	1816	1808	585
25°	278	298	328	291	264	141
35°	33	43	62	42	30	26
45°	4	6	7	6	4	4
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
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°	15713.3	15713.3	15713.3	15713.3	15713.3
1°	15576.2	15602.5	15606.6	15602.5	15580.3
2°	15225.7	15303.3	15286.7	15253.4	15300.5
3°	14684.2	14723.0	14717.4	14720.2	14709.1
4°	13803.3	13871.2	13832.4	13861.5	13864.2
5°	12728.5	12746.5	12772.8	12714.7	12817.2
6°	11405.8	11520.8	11419.7	11519.4	11559.5
7°	10060.9	10127.4	9998.6	10067.9	10109.4
8°	8685.6	8569.2	8639.9	8641.3	8778.4
9°	7200.8	7224.4	7283.9	7216.1	7275.6
10°	5860.1	5914.1	5865.6	5842.1	5833.8
11°	4627.4	4688.4	4684.2	4691.1	4645.4
12°	3723.0	3691.1	3711.9	3644.0	3674.5
13°	2897.5	2898.9	2882.3	2854.6	2829.6
14°	2270.1	2256.2	2295.0	2260.4	2228.5
15°	1778.4	1828.3	1842.1	1815.8	1807.5
17.5°	1097.0	1098.3	1117.7	1092.8	1090.0
20°	689.7	706.4	728.5	702.2	681.4
22.5°	436.3	451.5	486.1	452.9	423.8
25°	278.4	297.8	328.3	290.9	264.5
27.5°	174.5	192.5	221.6	187.0	167.6
30°	108.0	120.5	144.0	117.7	99.7
32.5°	62.3	74.8	94.2	70.6	59.6
35°	33.2	42.9	62.3	41.6	30.5
37.5°	19.4	24.9	40.2	22.2	18.0
40°	11.1	15.2	23.5	13.9	11.1
42.5°	6.9	9.7	11.1	8.3	5.5
45°	4.2	5.5	6.9	5.5	4.2
47.5°	2.8	4.2	5.5	2.8	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
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)