

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: P1308119

Luminaire Tested: P3SQAS17R159030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308119
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: P3SQAS17R159030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

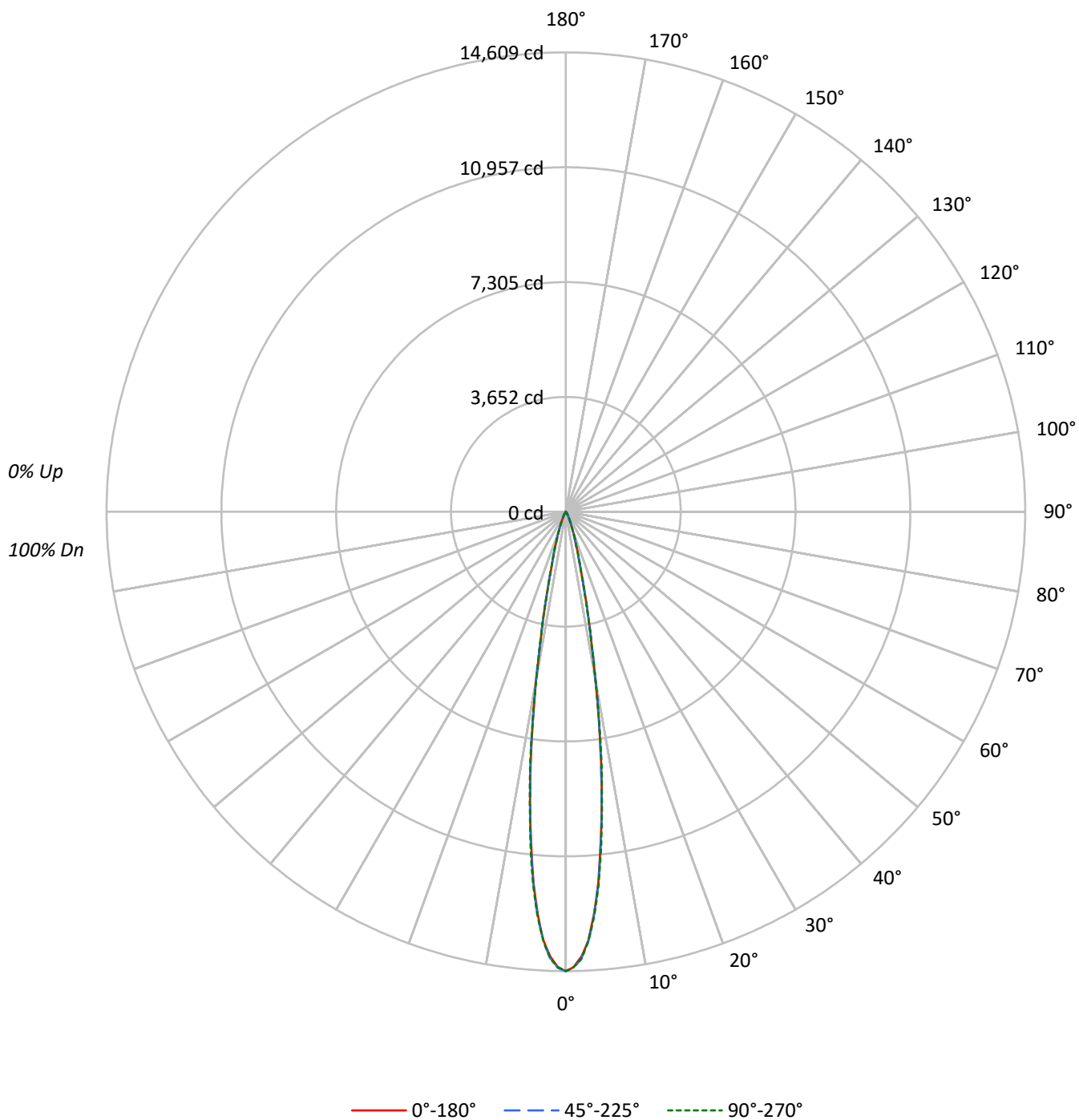
Lumens per Lamp: N/A
Luminaire Lumens: 1640.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2515949	2515949	2515949
5°	2045833	2052956	2060079
10°	952778	953670	948494
15°	294798	305353	299612
20°	117535	124133	116105
25°	49179	57996	46728
30°	19966	26628	18435
35°	6497	12173	5950
40°	2316	4924	2316
45°	950	1559	950
50°	697	1045	697
55°	781	781	781
60°	896	896	896
65°	530	530	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.4	55.8
10°-20°	546.7	33.3
20°-30°	139.1	8.5
30°-40°	30.2	1.8
40°-50°	4.9	0.3
50°-60°	2.4	0.1
60°-70°	1.4	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°	1600.3	97.6
0°-40°	1630.5	99.4
0°-60°	1637.8	99.9
0°-90°	1640.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1640.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14609	14609	14609	14609	14609	
5°	11834	11850	11875	11821	11916	912
15°	1653	1700	1713	1688	1680	544
25°	259	277	305	270	246	132
35°	31	40	58	39	28	24
45°	4	5	6	5	4	4
55°	3	3	3	3	3	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°	14608.7	14608.7	14608.7	14608.7	14608.7
1°	14481.2	14505.7	14509.6	14505.7	14485.1
2°	14155.4	14227.6	14212.1	14181.2	14225.0
3°	13652.0	13688.0	13682.9	13685.4	13675.1
4°	12833.0	12896.1	12860.0	12887.1	12889.7
5°	11833.8	11850.5	11875.0	11820.9	11916.2
6°	10604.0	10710.9	10616.9	10709.6	10747.0
7°	9353.7	9415.5	9295.8	9360.1	9398.8
8°	8075.0	7966.9	8032.5	8033.8	8161.3
9°	6694.6	6716.5	6771.9	6708.8	6764.2
10°	5448.2	5498.4	5453.3	5431.4	5423.7
11°	4302.1	4358.8	4354.9	4361.4	4318.9
12°	3461.3	3431.7	3451.0	3387.9	3416.2
13°	2693.8	2695.1	2679.7	2653.9	2630.7
14°	2110.5	2097.6	2133.7	2101.5	2071.9
15°	1653.4	1699.7	1712.6	1688.1	1680.4
17.5°	1019.8	1021.1	1039.2	1016.0	1013.4
20°	641.3	656.7	677.3	652.9	633.5
22.5°	405.6	419.8	452.0	421.1	394.0
25°	258.8	276.9	305.2	270.4	245.9
27.5°	162.2	179.0	206.0	173.8	155.8
30°	100.4	112.0	133.9	109.5	92.7
32.5°	57.9	69.5	87.6	65.7	55.4
35°	30.9	39.9	57.9	38.6	28.3
37.5°	18.0	23.2	37.3	20.6	16.7
40°	10.3	14.2	21.9	12.9	10.3
42.5°	6.4	9.0	10.3	7.7	5.2
45°	3.9	5.2	6.4	5.2	3.9
47.5°	2.6	3.9	5.2	2.6	2.6
50°	2.6	2.6	3.9	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
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)