

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: P1310386

Luminaire Tested: P3SQAS17R259040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

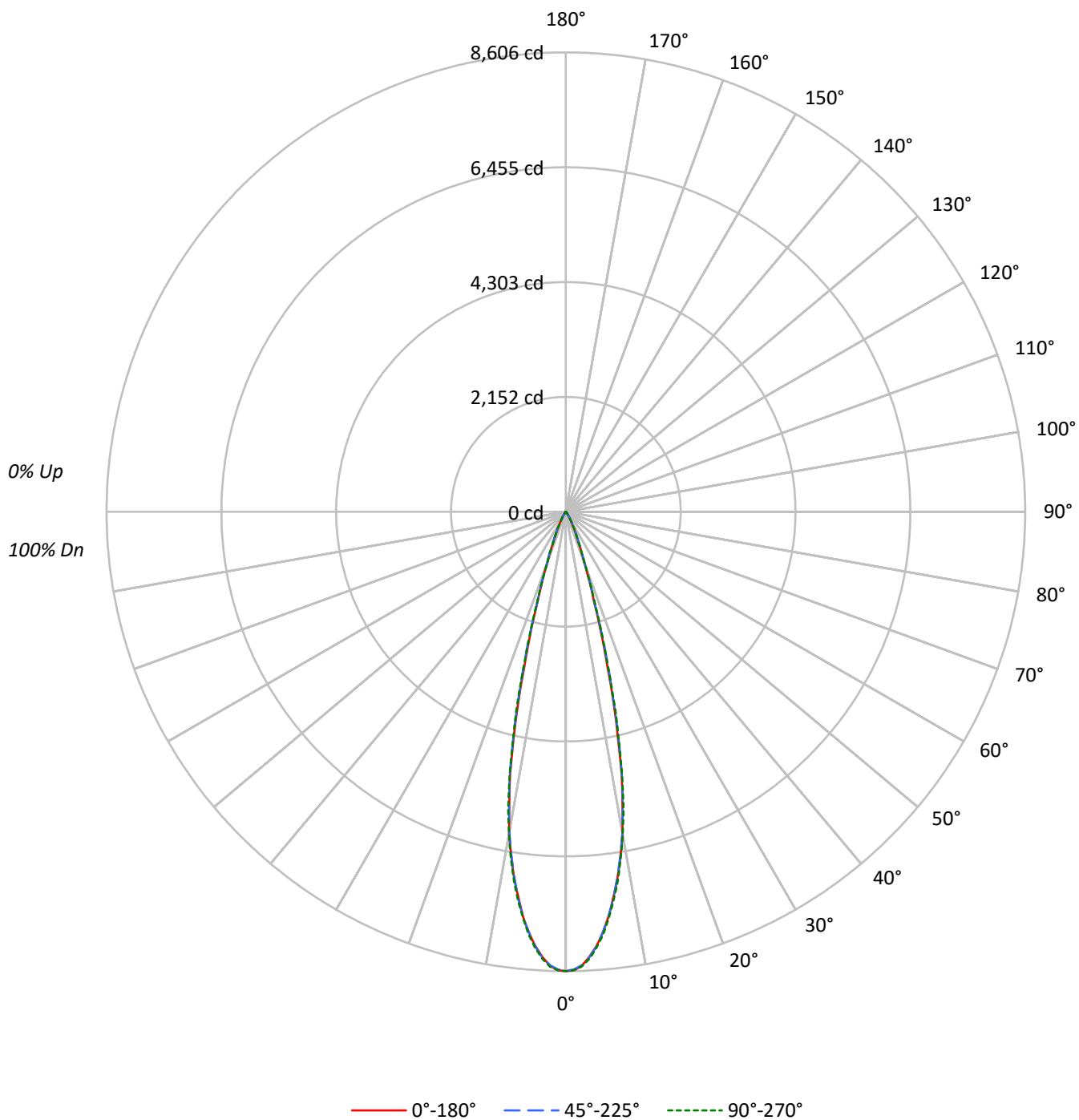
Lumens per Lamp: N/A
Luminaire Lumens: 1818.1 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1482096	1482096	1482096
5°	1368972	1368487	1376146
10°	1069370	1066450	1073725
15°	537979	560444	559963
20°	184082	189159	186116
25°	73977	83194	77132
30°	30029	35816	29193
35°	8746	15726	8746
40°	4047	6857	4047
45°	1340	2704	1340
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	1389	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.2	38.4
10°-20°	854.5	47.0
20°-30°	208.8	11.5
30°-40°	43.2	2.4
40°-50°	7.5	0.4
50°-60°	2.5	0.1
60°-70°	2.0	0.1
70°-80°	1.3	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°	1761.4	96.9
0°-40°	1804.6	99.3
0°-60°	1814.7	99.8
0°-90°	1818.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8606	8606	8606	8606	8606	
5°	7919	7926	7916	7932	7960	698
15°	3017	3068	3143	3157	3141	842
25°	389	407	438	413	406	199
35°	42	58	75	57	42	35
45°	6	8	11	8	6	6
55°	3	3	3	3	3	3
65°	1	3	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°	8605.7	8605.7	8605.7	8605.7	8605.7
1°	8589.1	8578.0	8575.2	8576.6	8590.5
2°	8511.5	8504.6	8503.2	8507.3	8526.7
3°	8353.6	8361.9	8364.7	8378.5	8388.2
4°	8159.6	8176.2	8169.3	8185.9	8197.0
5°	7918.6	7925.5	7915.8	7932.4	7960.1
6°	7637.4	7612.4	7636.0	7642.9	7662.3
7°	7286.9	7292.4	7300.7	7309.0	7338.1
8°	6941.9	6925.3	6921.1	6959.9	6983.5
9°	6538.8	6541.6	6526.3	6570.6	6577.6
10°	6114.9	6080.2	6098.2	6132.9	6139.8
11°	5555.2	5545.5	5571.8	5625.8	5668.8
12°	5030.2	5035.7	5063.4	5081.4	5071.7
13°	4336.1	4377.7	4412.3	4430.3	4406.8
14°	3708.5	3708.5	3752.9	3759.8	3844.3
15°	3017.3	3068.5	3143.3	3157.2	3140.6
17.5°	1742.8	1749.7	1785.7	1784.3	1810.6
20°	1004.4	1014.1	1032.1	1027.9	1015.5
22.5°	604.0	624.8	667.7	633.1	623.4
25°	389.3	407.3	437.8	412.8	405.9
27.5°	243.8	256.3	279.8	257.7	246.6
30°	151.0	157.9	180.1	159.3	146.8
32.5°	81.7	99.7	117.8	99.7	81.7
35°	41.6	58.2	74.8	56.8	41.6
37.5°	27.7	33.2	48.5	31.9	27.7
40°	18.0	22.2	30.5	22.2	18.0
42.5°	9.7	13.9	16.6	15.2	9.7
45°	5.5	8.3	11.1	8.3	5.5
47.5°	4.2	4.2	6.9	4.2	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°	2.8	2.8	2.8	2.8	2.8
65°	1.4	2.8	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°	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	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)