

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: P1312744

Luminaire Tested: P3SQAS20R309727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

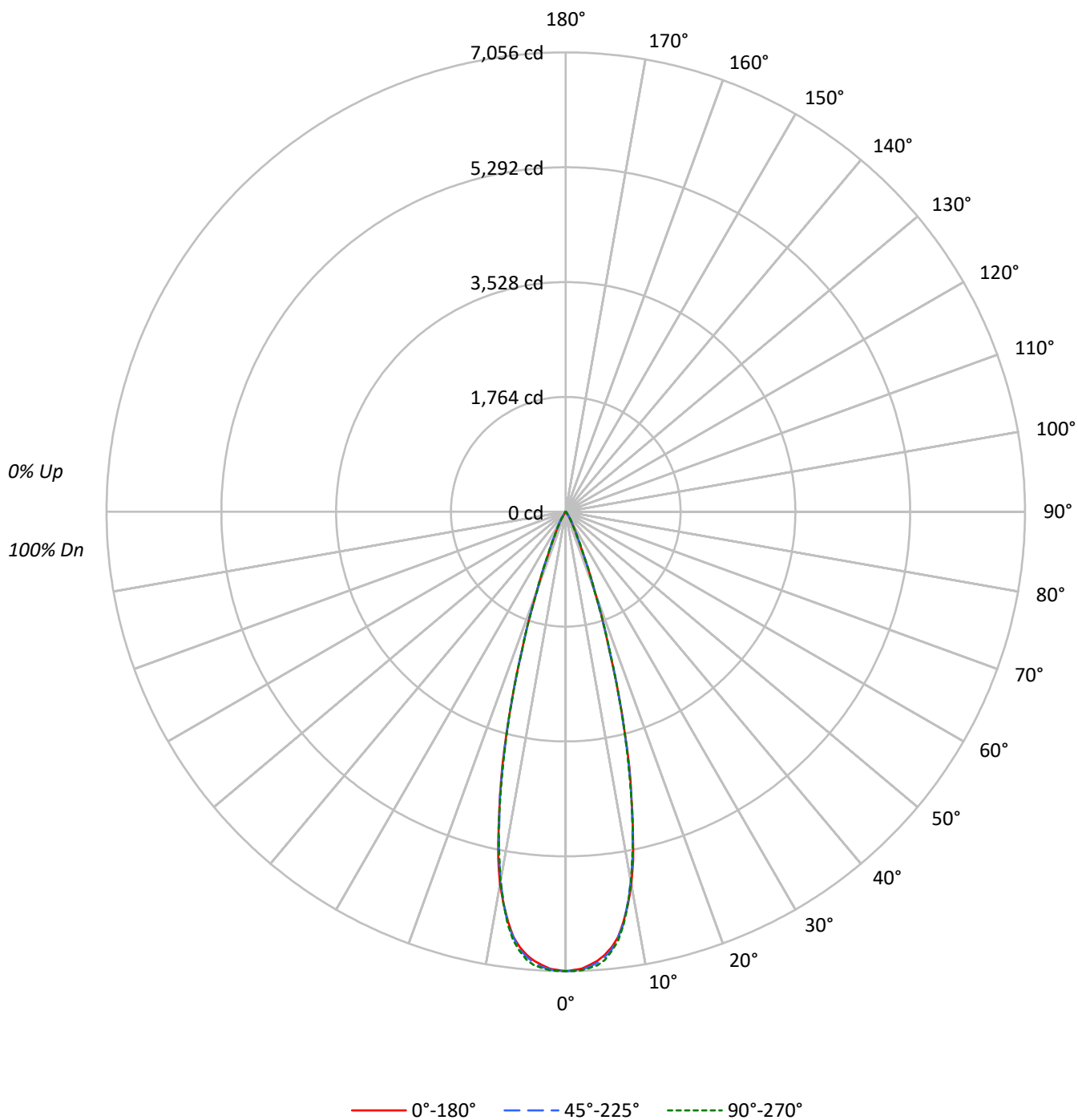
Lumens per Lamp: N/A
Luminaire Lumens: 1834.9 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1215117	1215117	1215117
5°	1181828	1186980	1194310
10°	1016259	1007603	1008582
15°	624453	619407	619906
20°	237653	238185	233768
25°	75593	79621	75859
30°	30407	37725	31242
35°	9818	16672	9818
40°	4451	7329	4451
45°	1729	3093	1729
50°	750	1527	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: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.4	33.9
10°-20°	923.3	50.3
20°-30°	229.4	12.5
30°-40°	45.8	2.5
40°-50°	8.3	0.5
50°-60°	2.6	0.1
60°-70°	1.9	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°	1775.0	96.7
0°-40°	1820.8	99.2
0°-60°	1831.7	99.8
0°-90°	1834.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7056	7056	7056	7056	7056	
5°	6836	6859	6866	6876	6908	621
15°	3502	3509	3474	3485	3477	927
25°	398	406	419	413	399	223
35°	47	61	79	60	47	38
45°	7	8	13	10	7	6
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°	7055.5	7055.5	7055.5	7055.5	7055.5
1°	7040.0	7048.5	7054.1	7054.1	7054.1
2°	7020.2	7025.8	7034.3	7035.7	7047.1
3°	6973.4	6986.2	7000.3	7008.8	7014.5
4°	6916.8	6933.8	6942.3	6963.5	6981.9
5°	6836.1	6858.8	6865.9	6875.8	6908.3
6°	6727.1	6744.1	6758.3	6762.5	6782.3
7°	6582.7	6591.2	6588.4	6595.5	6630.9
8°	6363.3	6366.1	6390.2	6374.6	6398.7
9°	6102.8	6091.5	6085.8	6097.2	6098.6
10°	5811.2	5773.0	5761.7	5751.7	5767.3
11°	5433.2	5383.7	5387.9	5385.1	5362.4
12°	4963.2	4957.6	4920.8	4927.8	4961.8
13°	4483.3	4493.2	4486.2	4494.7	4456.4
14°	4033.2	3985.0	3997.8	3949.6	3968.0
15°	3502.3	3509.4	3474.0	3485.3	3476.8
17.5°	2242.4	2257.9	2246.6	2236.7	2252.3
20°	1296.7	1295.3	1299.6	1286.8	1275.5
22.5°	682.3	692.2	705.0	706.4	714.9
25°	397.8	406.3	419.0	413.4	399.2
27.5°	243.5	259.1	278.9	264.7	247.7
30°	152.9	165.6	189.7	167.0	157.1
32.5°	86.4	104.8	124.6	104.8	86.4
35°	46.7	60.9	79.3	59.5	46.7
37.5°	31.1	35.4	52.4	35.4	31.1
40°	19.8	24.1	32.6	24.1	19.8
42.5°	11.3	15.6	18.4	15.6	11.3
45°	7.1	8.5	12.7	9.9	7.1
47.5°	2.8	4.2	8.5	4.2	4.2
50°	2.8	2.8	5.7	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	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°	1.4	1.4	1.4	1.4	1.4
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)