

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: P1316519

Luminaire Tested: P3SQAS20R259827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316519
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: P3SQAS20R259827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

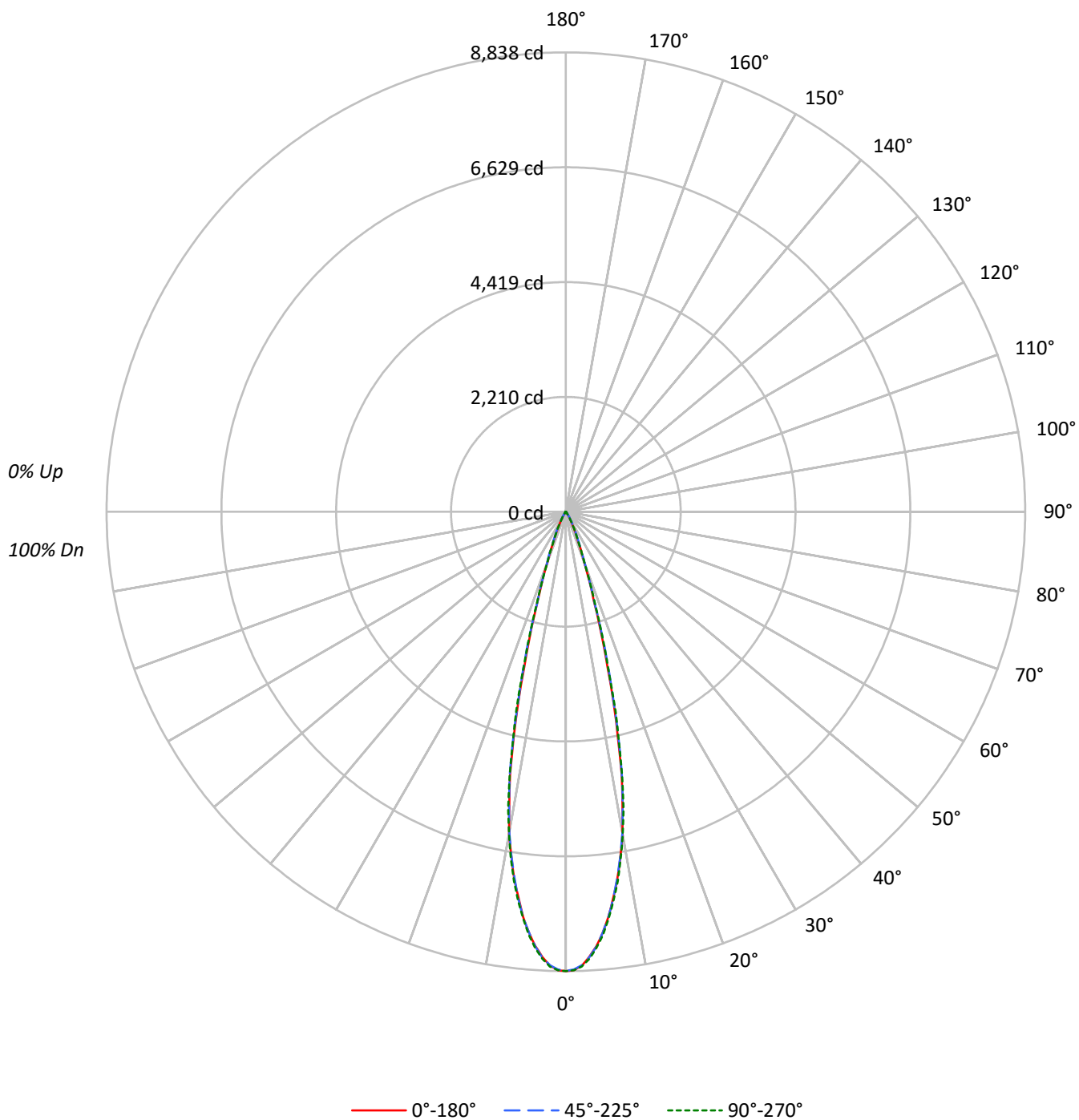
Lumens per Lamp: N/A
Luminaire Lumens: 1866.9 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	1522035	1522035	1522035
5°	1405864	1405380	1413246
10°	1098190	1095200	1102667
15°	552474	575546	575047
20°	189030	194254	191120
25°	75973	85436	79203
30°	30844	36770	29989
35°	8977	16147	8977
40°	4159	7037	4159
45°	1388	2777	1388
50°	750	1152	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: 2777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.0	38.4
10°-20°	877.6	47.0
20°-30°	214.4	11.5
30°-40°	44.3	2.4
40°-50°	7.7	0.4
50°-60°	2.6	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°	1808.9	96.9
0°-40°	1853.2	99.3
0°-60°	1863.5	99.8
0°-90°	1866.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8838	8838	8838	8838	8838	
5°	8132	8139	8129	8146	8175	716
15°	3099	3151	3228	3242	3225	865
25°	400	418	450	424	417	205
35°	43	60	77	58	43	36
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°	8837.6	8837.6	8837.6	8837.6	8837.6
1°	8820.6	8809.2	8806.3	8807.8	8822.0
2°	8740.9	8733.8	8732.4	8736.6	8756.6
3°	8578.7	8587.3	8590.1	8604.3	8614.3
4°	8379.5	8396.6	8389.5	8406.6	8418.0
5°	8132.0	8139.1	8129.2	8146.2	8174.7
6°	7843.2	7817.6	7841.8	7848.9	7868.8
7°	7483.3	7489.0	7497.5	7506.0	7535.9
8°	7129.0	7111.9	7107.7	7147.5	7171.7
9°	6715.0	6717.9	6702.2	6747.7	6754.9
10°	6279.7	6244.1	6262.6	6298.2	6305.3
11°	5704.9	5695.0	5722.0	5777.5	5821.6
12°	5165.7	5171.4	5199.9	5218.4	5208.4
13°	4453.0	4495.6	4531.2	4549.7	4525.5
14°	3808.5	3808.5	3854.0	3861.1	3947.9
15°	3098.6	3151.2	3228.0	3242.3	3225.2
17.5°	1789.7	1796.8	1833.8	1832.4	1859.4
20°	1031.4	1041.4	1059.9	1055.6	1042.8
22.5°	620.3	641.6	685.7	650.2	640.2
25°	399.8	418.3	449.6	424.0	416.8
27.5°	250.4	263.2	287.4	264.6	253.2
30°	155.1	162.2	184.9	163.6	150.8
32.5°	83.9	102.4	120.9	102.4	83.9
35°	42.7	59.8	76.8	58.3	42.7
37.5°	28.5	34.1	49.8	32.7	28.5
40°	18.5	22.8	31.3	22.8	18.5
42.5°	10.0	14.2	17.1	15.6	10.0
45°	5.7	8.5	11.4	8.5	5.7
47.5°	4.3	4.3	7.1	4.3	2.8
50°	2.8	2.8	4.3	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)