

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: P1312727

Luminaire Tested: P3SQAS20R259727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312727
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: P3SQAS20R259727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

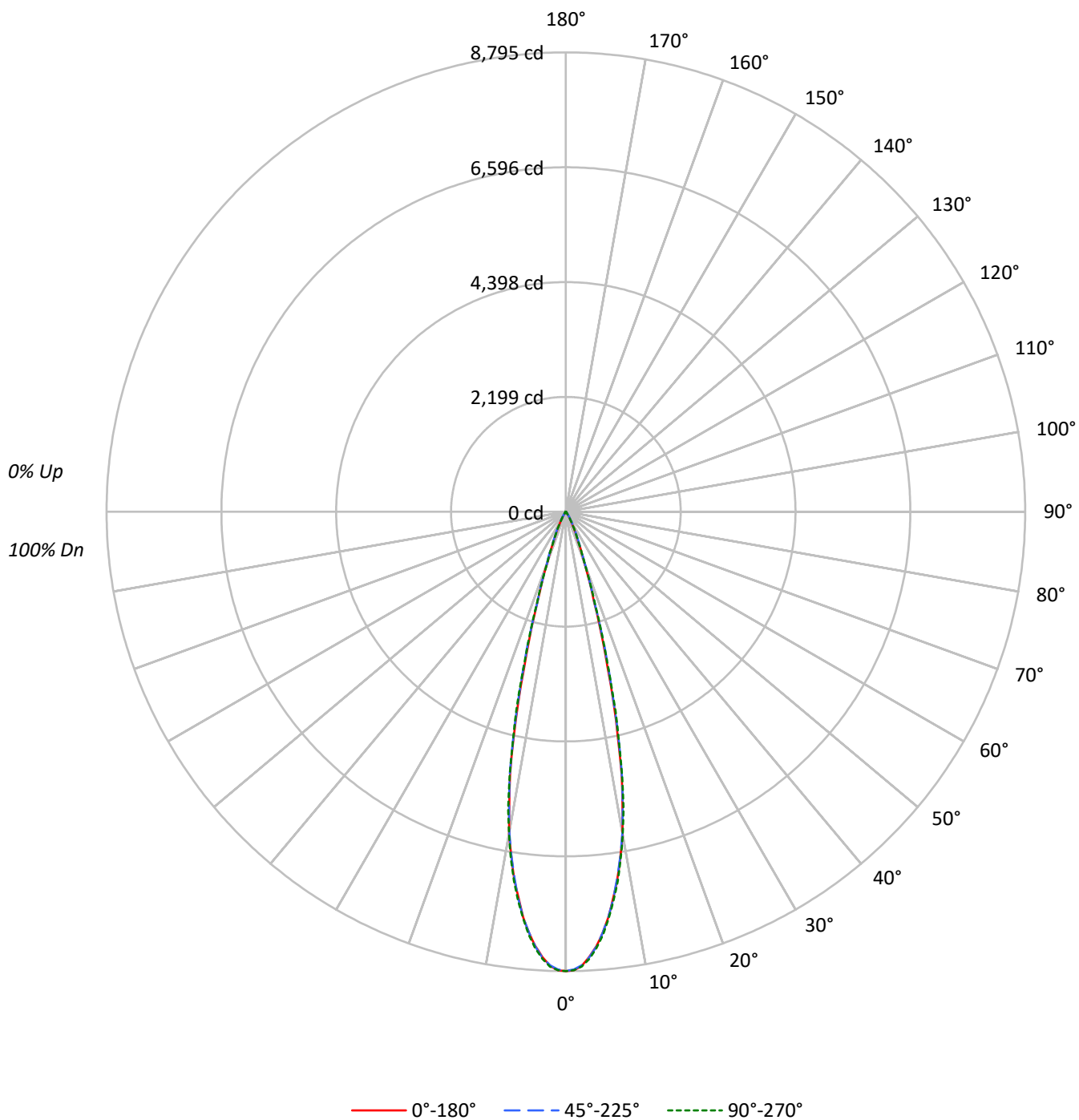
Lumens per Lamp: N/A
Luminaire Lumens: 1857.9 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1514698	1514698	1514698
5°	1399087	1398603	1406435
10°	1092892	1089919	1097351
15°	549800	572782	572283
20°	188132	193319	190203
25°	75593	85018	78823
30°	30685	36611	29850
35°	8935	16084	8935
40°	4137	6992	4137
45°	1388	2752	1388
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: 2752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.5	38.4
10°-20°	873.3	47.0
20°-30°	213.3	11.5
30°-40°	44.1	2.4
40°-50°	7.7	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°	1800.2	96.9
0°-40°	1844.3	99.3
0°-60°	1854.6	99.8
0°-90°	1857.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1857.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8795	8795	8795	8795	8795	
5°	8093	8100	8090	8107	8135	713
15°	3084	3136	3212	3227	3210	861
25°	398	416	447	422	415	204
35°	42	60	76	58	42	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°	8795.0	8795.0	8795.0	8795.0	8795.0
1°	8778.1	8766.7	8763.9	8765.3	8779.5
2°	8698.8	8691.7	8690.3	8694.5	8714.3
3°	8537.4	8545.9	8548.7	8562.9	8572.8
4°	8339.2	8356.1	8349.1	8366.1	8377.4
5°	8092.8	8099.9	8090.0	8107.0	8135.3
6°	7805.4	7779.9	7804.0	7811.1	7830.9
7°	7447.2	7452.9	7461.3	7469.8	7499.6
8°	7094.7	7077.7	7073.4	7113.1	7137.1
9°	6682.6	6685.5	6669.9	6715.2	6722.3
10°	6249.4	6214.0	6232.4	6267.8	6274.9
11°	5677.4	5667.5	5694.4	5749.6	5793.5
12°	5140.8	5146.5	5174.8	5193.2	5183.3
13°	4431.5	4474.0	4509.4	4527.8	4503.7
14°	3790.1	3790.1	3835.4	3842.5	3928.9
15°	3083.6	3136.0	3212.5	3226.6	3209.7
17.5°	1781.1	1788.2	1825.0	1823.6	1850.5
20°	1026.5	1036.4	1054.8	1050.5	1037.8
22.5°	617.3	638.5	682.4	647.0	637.1
25°	397.8	416.2	447.4	421.9	414.8
27.5°	249.2	261.9	286.0	263.3	252.0
30°	154.3	161.4	184.1	162.8	150.1
32.5°	83.5	101.9	120.3	101.9	83.5
35°	42.5	59.5	76.5	58.0	42.5
37.5°	28.3	34.0	49.6	32.6	28.3
40°	18.4	22.7	31.1	22.7	18.4
42.5°	9.9	14.2	17.0	15.6	9.9
45°	5.7	8.5	11.3	8.5	5.7
47.5°	4.2	4.2	7.1	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)