

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: P1313684

Luminaire Tested: P3SQAS20R209730D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209730D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

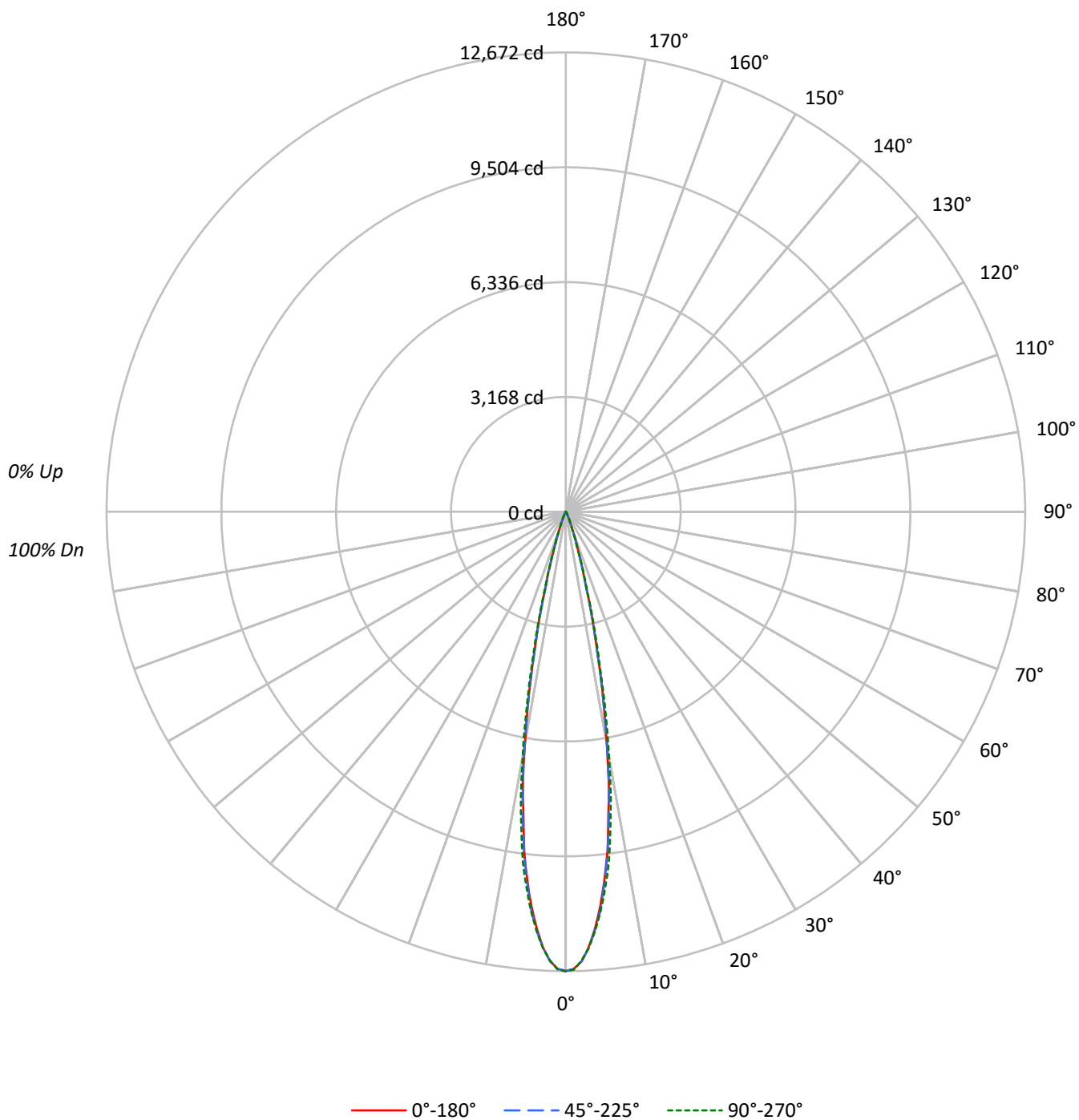
Lumens per Lamp: N/A
Luminaire Lumens: 1702.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2182388	2182388	2182388
5°	1885331	1902896	1909967
10°	1134950	1145548	1202559
15°	392559	383359	413919
20°	103111	96989	97264
25°	22480	27079	30822
30°	9645	9645	9943
35°	5424	4773	5109
40°	2383	2720	3058
45°	731	1096	1096
50°	402	402	402
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.3	53.3
10°-20°	690.1	40.5
20°-30°	85.3	5.0
30°-40°	16.1	0.9
40°-50°	3.9	0.2
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1681.7	98.8
0°-40°	1697.9	99.8
0°-60°	1702.0	100.0
0°-90°	1702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12672	12672	12672	12672	12672	
5°	10905	10898	11007	10999	11048	899
15°	2202	2123	2150	2279	2322	689
25°	118	135	142	149	162	81
35°	26	26	23	24	24	17
45°	3	4	4	4	4	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	12671.9	12671.9	12671.9	12671.9	12671.9
1°	12612.8	12597.6	12609.7	12583.9	12637.0
2°	12411.1	12395.9	12395.9	12380.8	12388.3
3°	12035.0	12059.3	12044.1	12012.3	12053.2
4°	11522.5	11549.8	11574.1	11575.6	11581.7
5°	10905.4	10897.8	11007.0	10999.4	11047.9
6°	10201.8	10192.7	10239.7	10318.6	10415.6
7°	9428.5	9317.8	9443.6	9602.9	9733.3
8°	8427.7	8456.5	8542.9	8731.0	8835.6
9°	7578.6	7410.3	7593.7	7818.1	7931.9
10°	6489.9	6353.4	6550.5	6787.0	6876.5
12.5°	4085.0	3966.7	4030.4	4279.1	4318.5
15°	2201.7	2122.8	2150.1	2279.0	2321.5
17.5°	1123.6	1052.3	1037.2	1119.0	1128.1
20°	562.6	545.9	529.2	536.8	530.7
22.5°	260.8	283.6	280.5	265.4	283.6
25°	118.3	135.0	142.5	148.6	162.2
27.5°	72.8	69.8	80.4	86.4	87.9
30°	48.5	47.0	48.5	50.0	50.0
32.5°	34.9	33.4	31.8	31.8	33.4
35°	25.8	25.8	22.7	24.3	24.3
37.5°	18.2	18.2	16.7	18.2	18.2
40°	10.6	12.1	12.1	12.1	13.6
42.5°	6.1	7.6	7.6	7.6	7.6
45°	3.0	4.5	4.5	4.5	4.5
47.5°	1.5	1.5	1.5	3.0	3.0
50°	1.5	1.5	1.5	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)