

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: P1313527

Luminaire Tested: P3SQAS17R209730DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313527
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: P3SQAS17R209730DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

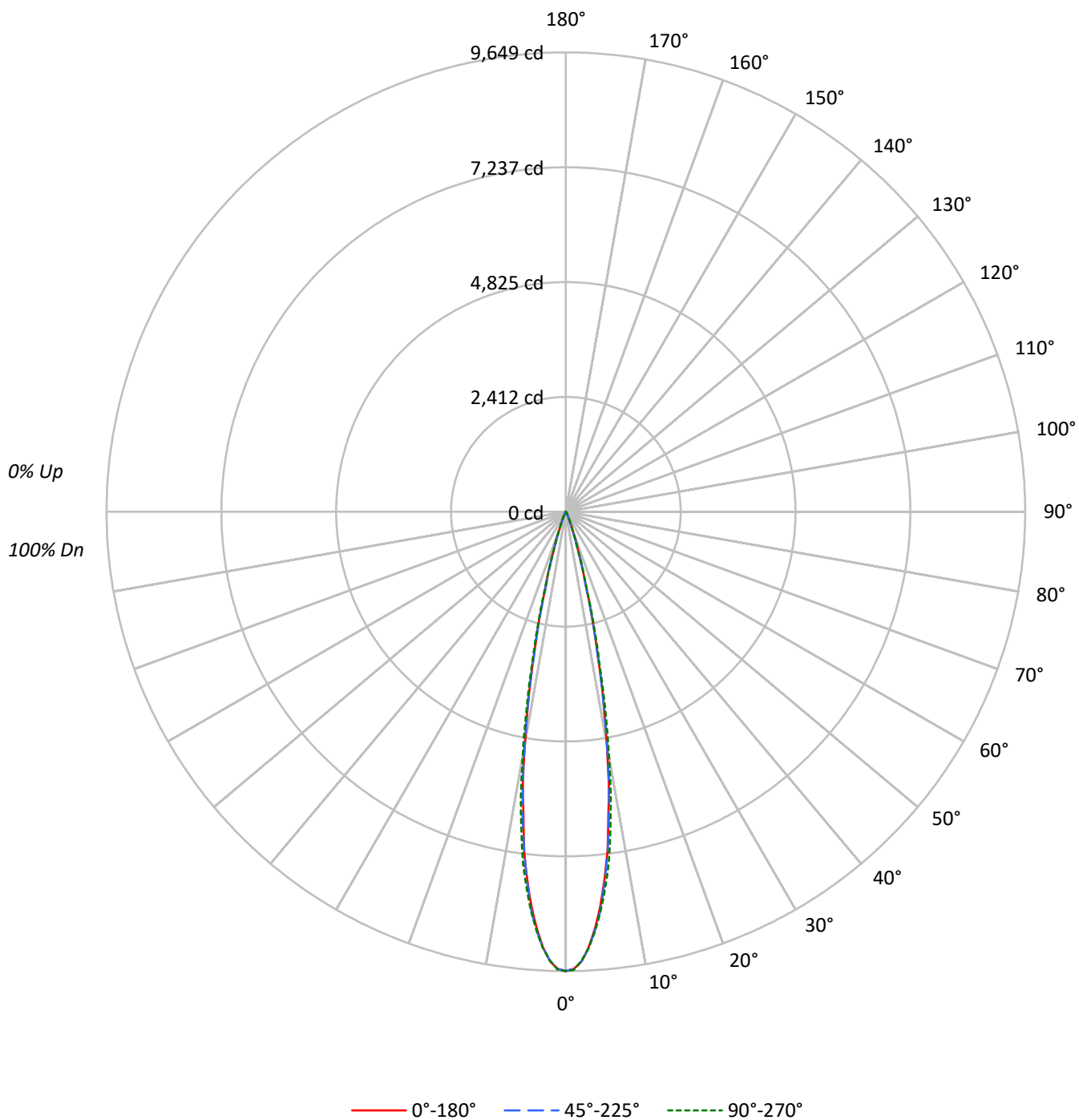
Lumens per Lamp: N/A
Luminaire Lumens: 1296.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1661793	1661793	1661793
5°	1435600	1448963	1454357
10°	864202	872281	915704
15°	298917	291909	315177
20°	78515	73860	74062
25°	17121	20618	23468
30°	7338	7338	7577
35°	4121	3637	3890
40°	1821	2068	2338
45°	560	852	852
50°	322	322	322
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: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.1	53.3
10°-20°	525.4	40.5
20°-30°	65.0	5.0
30°-40°	12.3	0.9
40°-50°	3.0	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°	1280.6	98.8
0°-40°	1292.9	99.8
0°-60°	1296.0	100.0
0°-90°	1296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9649	9649	9649	9649	9649	
5°	8304	8298	8381	8376	8412	685
15°	1676	1616	1637	1735	1768	525
25°	90	103	108	113	124	62
35°	20	20	17	18	18	13
45°	2	4	4	4	4	2
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9649.1	9649.1	9649.1	9649.1	9649.1
1°	9604.1	9592.5	9601.8	9582.1	9622.5
2°	9450.5	9439.0	9439.0	9427.4	9433.2
3°	9164.2	9182.6	9171.1	9146.8	9178.0
4°	8773.9	8794.7	8813.2	8814.3	8818.9
5°	8304.0	8298.2	8381.3	8375.6	8412.5
6°	7768.2	7761.3	7797.1	7857.1	7931.0
7°	7179.4	7095.1	7190.9	7312.2	7411.5
8°	6417.3	6439.3	6505.1	6648.3	6727.9
9°	5770.8	5642.6	5782.3	5953.2	6039.8
10°	4941.7	4837.8	4987.9	5168.0	5236.2
12.5°	3110.5	3020.5	3069.0	3258.3	3288.3
15°	1676.5	1616.5	1637.2	1735.4	1767.7
17.5°	855.6	801.3	789.8	852.1	859.0
20°	428.4	415.7	403.0	408.7	404.1
22.5°	198.6	215.9	213.6	202.1	215.9
25°	90.1	102.8	108.5	113.2	123.5
27.5°	55.4	53.1	61.2	65.8	67.0
30°	36.9	35.8	36.9	38.1	38.1
32.5°	26.6	25.4	24.2	24.2	25.4
35°	19.6	19.6	17.3	18.5	18.5
37.5°	13.9	13.9	12.7	13.9	13.9
40°	8.1	9.2	9.2	9.2	10.4
42.5°	4.6	5.8	5.8	5.8	5.8
45°	2.3	3.5	3.5	3.5	3.5
47.5°	1.2	1.2	1.2	2.3	2.3
50°	1.2	1.2	1.2	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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)