

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: P1305889

Luminaire Tested: P3SQAS13R209024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305889
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: P3SQAS13R209024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

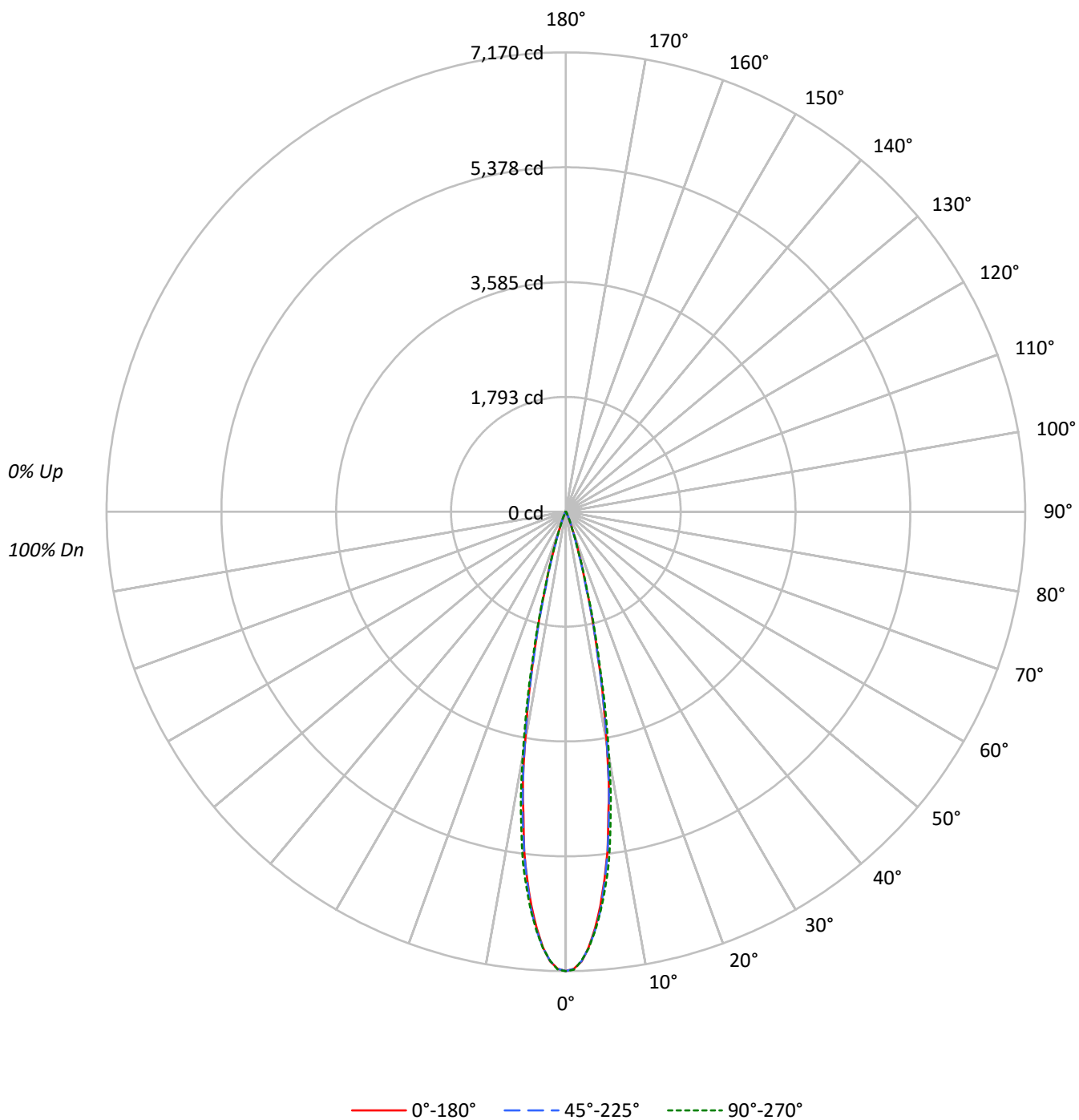
Lumens per Lamp: N/A
Luminaire Lumens: 963.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	1234802	1234802	1234802
5°	1066725	1076665	1080676
10°	642157	648156	680421
15°	222106	216917	234194
20°	58337	54873	55038
25°	12713	15316	17444
30°	5469	5469	5628
35°	3070	2712	2880
40°	1349	1551	1731
45°	414	633	633
50°	241	241	241
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: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.8	53.2
10°-20°	390.4	40.5
20°-30°	48.3	5.0
30°-40°	9.1	0.9
40°-50°	2.2	0.2
50°-60°	0.1	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°	951.5	98.8
0°-40°	960.7	99.8
0°-60°	963.0	100.0
0°-90°	963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7170	7170	7170	7170	7170	
5°	6170	6166	6228	6224	6251	509
15°	1246	1201	1217	1290	1314	390
25°	67	76	81	84	92	46
35°	15	15	13	14	14	9
45°	2	3	3	3	3	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°	7169.8	7169.8	7169.8	7169.8	7169.8
1°	7136.4	7127.8	7134.6	7120.1	7150.1
2°	7022.3	7013.7	7013.7	7005.1	7009.4
3°	6809.5	6823.2	6814.6	6796.6	6819.8
4°	6519.5	6534.9	6548.7	6549.5	6553.0
5°	6170.3	6166.0	6227.8	6223.5	6251.0
6°	5772.2	5767.1	5793.7	5838.3	5893.2
7°	5334.7	5272.1	5343.3	5433.3	5507.1
8°	4768.4	4784.7	4833.6	4940.0	4999.2
9°	4288.0	4192.8	4296.6	4423.5	4487.9
10°	3672.0	3594.8	3706.3	3840.1	3890.8
12.5°	2311.3	2244.4	2280.4	2421.1	2443.4
15°	1245.7	1201.1	1216.6	1289.5	1313.5
17.5°	635.7	595.4	586.8	633.2	638.3
20°	318.3	308.9	299.4	303.7	300.3
22.5°	147.6	160.4	158.7	150.1	160.4
25°	66.9	76.4	80.6	84.1	91.8
27.5°	41.2	39.5	45.5	48.9	49.8
30°	27.5	26.6	27.5	28.3	28.3
32.5°	19.7	18.9	18.0	18.0	18.9
35°	14.6	14.6	12.9	13.7	13.7
37.5°	10.3	10.3	9.4	10.3	10.3
40°	6.0	6.9	6.9	6.9	7.7
42.5°	3.4	4.3	4.3	4.3	4.3
45°	1.7	2.6	2.6	2.6	2.6
47.5°	0.9	0.9	0.9	1.7	1.7
50°	0.9	0.9	0.9	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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)