

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: P1309254

Luminaire Tested: P3SQAS17R209035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309254
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: P3SQAS17R209035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

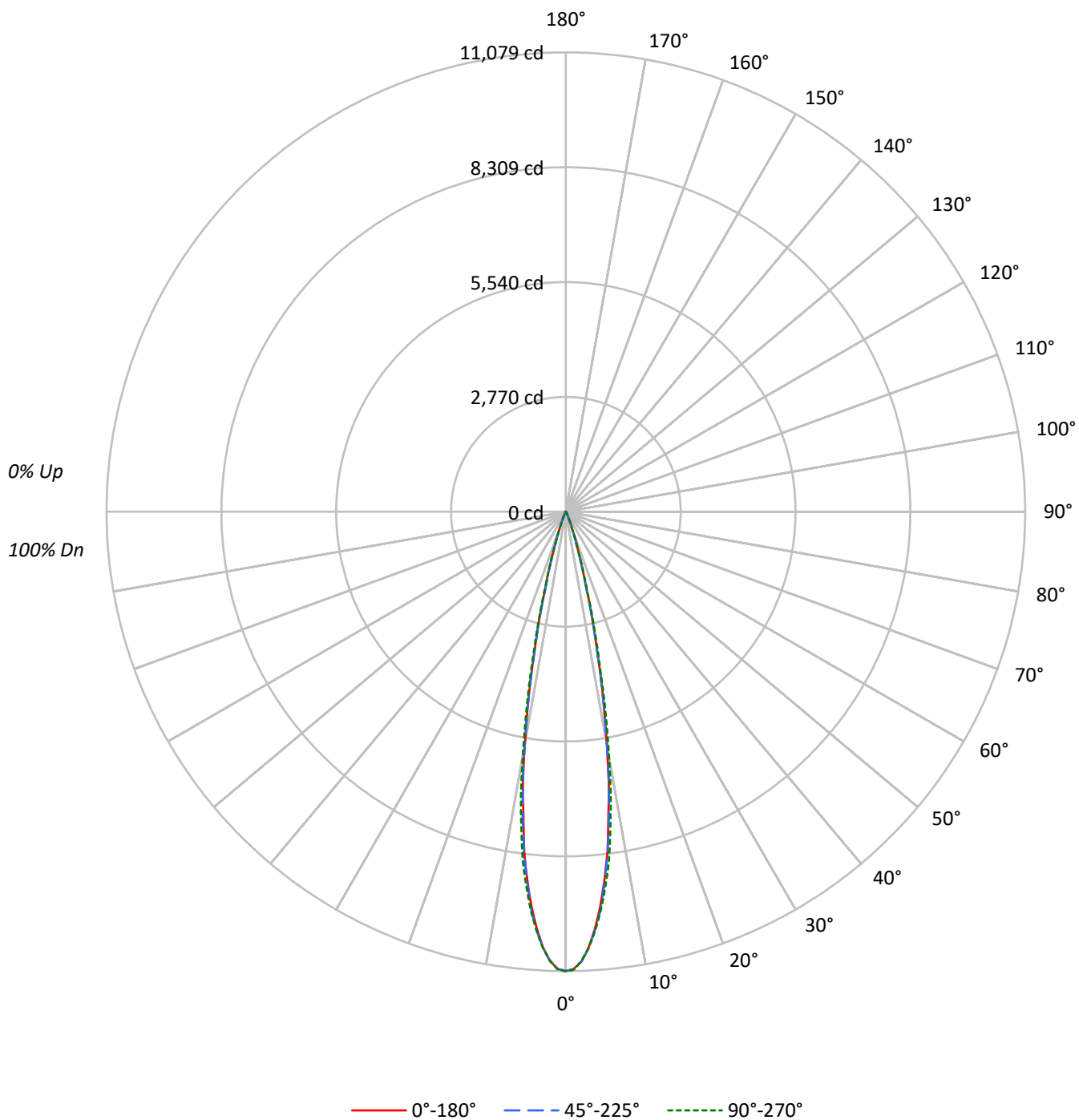
Lumens per Lamp: N/A
Luminaire Lumens: 1488.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1907986	1907986	1907986
5°	1648277	1663629	1669818
10°	992249	1001517	1051358
15°	343206	335165	361874
20°	90135	84802	85040
25°	19649	23677	26946
30°	8432	8432	8690
35°	4731	4184	4457
40°	2091	2383	2675
45°	658	974	974
50°	348	348	348
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: 974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.4	53.3
10°-20°	603.3	40.5
20°-30°	74.6	5.0
30°-40°	14.1	0.9
40°-50°	3.4	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°	1470.3	98.8
0°-40°	1484.4	99.8
0°-60°	1488.0	100.0
0°-90°	1488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11079	11079	11079	11079	11079	
5°	9534	9528	9623	9616	9659	786
15°	1925	1856	1880	1992	2030	603
25°	103	118	125	130	142	71
35°	22	22	20	21	21	14
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11078.6	11078.6	11078.6	11078.6	11078.6
1°	11026.9	11013.6	11024.2	11001.7	11048.1
2°	10850.6	10837.3	10837.3	10824.1	10830.7
3°	10521.8	10543.0	10529.8	10501.9	10537.7
4°	10073.7	10097.6	10118.8	10120.1	10125.4
5°	9534.2	9527.6	9623.0	9616.4	9658.8
6°	8919.1	8911.1	8952.2	9021.2	9106.0
7°	8243.0	8146.2	8256.3	8395.4	8509.5
8°	7368.1	7393.2	7468.8	7633.2	7724.7
9°	6625.7	6478.5	6638.9	6835.1	6934.6
10°	5673.9	5554.5	5726.9	5933.7	6011.9
12.5°	3571.3	3467.9	3523.6	3741.0	3775.5
15°	1924.9	1855.9	1879.8	1992.5	2029.6
17.5°	982.3	920.0	906.8	978.3	986.3
20°	491.8	477.2	462.7	469.3	464.0
22.5°	228.0	247.9	245.2	232.0	247.9
25°	103.4	118.0	124.6	129.9	141.8
27.5°	63.6	61.0	70.3	75.6	76.9
30°	42.4	41.1	42.4	43.7	43.7
32.5°	30.5	29.2	27.8	27.8	29.2
35°	22.5	22.5	19.9	21.2	21.2
37.5°	15.9	15.9	14.6	15.9	15.9
40°	9.3	10.6	10.6	10.6	11.9
42.5°	5.3	6.6	6.6	6.6	6.6
45°	2.7	4.0	4.0	4.0	4.0
47.5°	1.3	1.3	1.3	2.7	2.7
50°	1.3	1.3	1.3	1.3	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
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)