

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: P1307310

Luminaire Tested: P3SQAS24R209027D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307310
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: P3SQAS24R209027D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

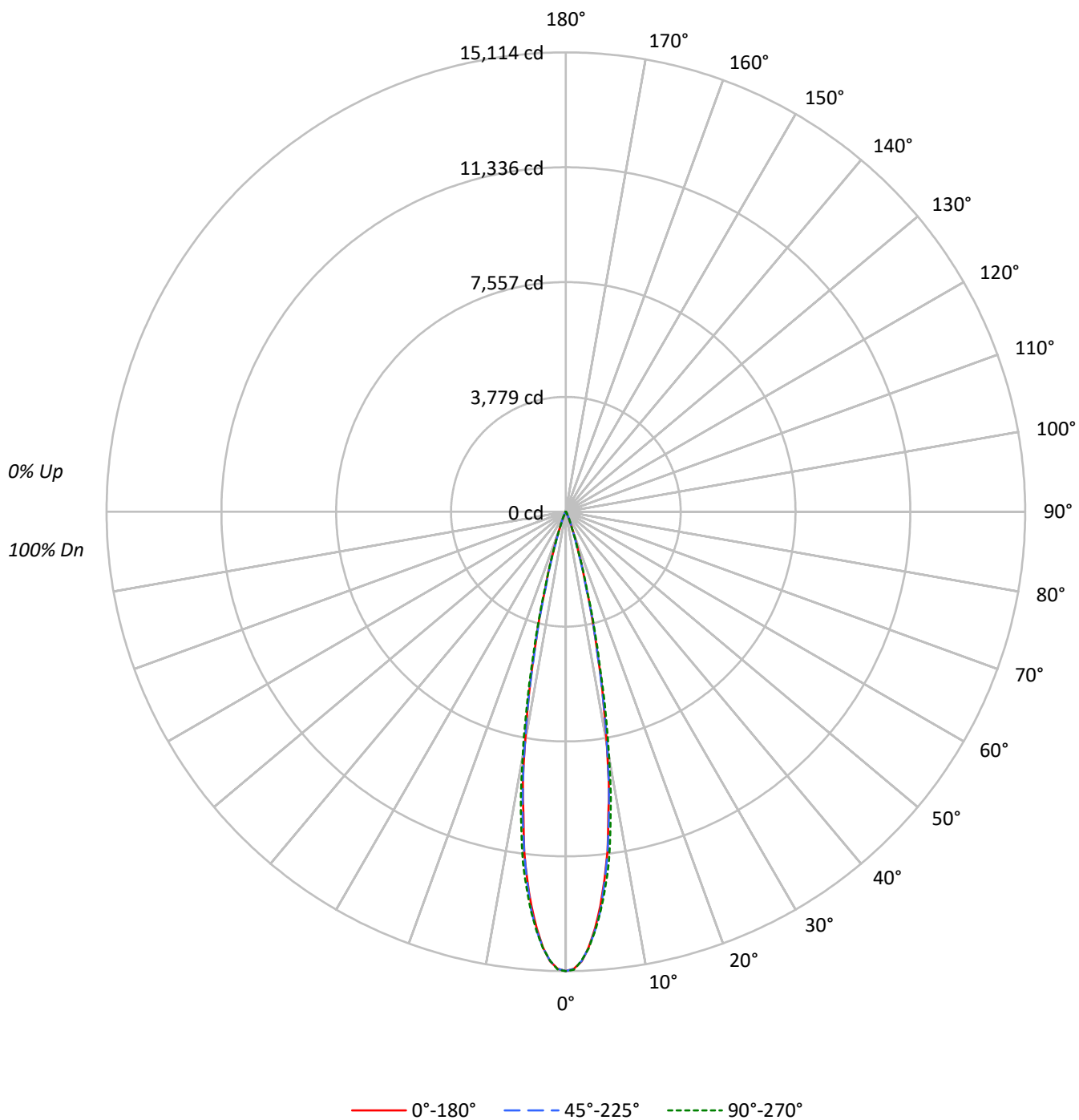
Lumens per Lamp: N/A
Luminaire Lumens: 2030.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2602956	2602956	2602956
5°	2248657	2269610	2278046
10°	1353654	1366316	1434309
15°	468211	457245	493689
20°	122978	115683	116013
25°	26813	32305	36770
30°	11514	11514	11872
35°	6455	5698	6076
40°	2855	3260	3665
45°	877	1315	1315
50°	482	482	482
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: 1315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.0	53.3
10°-20°	823.0	40.5
20°-30°	101.8	5.0
30°-40°	19.3	0.9
40°-50°	4.6	0.2
50°-60°	0.3	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°	2005.8	98.8
0°-40°	2025.1	99.8
0°-60°	2030.0	100.0
0°-90°	2030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15114	15114	15114	15114	15114	
5°	13007	12998	13128	13119	13177	1073
15°	2626	2532	2564	2718	2769	822
25°	141	161	170	177	194	97
35°	31	31	27	29	29	20
45°	4	5	5	5	5	4
55°	0	0	0	0	0	1
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°	15113.9	15113.9	15113.9	15113.9	15113.9
1°	15043.4	15025.3	15039.8	15009.1	15072.3
2°	14802.9	14784.8	14784.8	14766.7	14775.7
3°	14354.4	14383.3	14365.2	14327.2	14376.1
4°	13743.1	13775.6	13804.6	13806.4	13813.6
5°	13007.0	12998.0	13128.2	13119.1	13177.0
6°	12167.8	12157.0	12213.1	12307.1	12422.8
7°	11245.5	11113.5	11263.6	11453.5	11609.0
8°	10051.8	10086.2	10189.3	10413.6	10538.3
9°	9039.1	8838.3	9057.2	9324.8	9460.5
10°	7740.5	7577.8	7812.9	8095.0	8201.7
12.5°	4872.2	4731.1	4807.1	5103.7	5150.7
15°	2626.0	2532.0	2564.5	2718.2	2768.9
17.5°	1340.1	1255.1	1237.0	1334.7	1345.6
20°	671.0	651.1	631.2	640.2	633.0
22.5°	311.1	338.2	334.6	316.5	338.2
25°	141.1	161.0	170.0	177.2	193.5
27.5°	86.8	83.2	95.9	103.1	104.9
30°	57.9	56.1	57.9	59.7	59.7
32.5°	41.6	39.8	38.0	38.0	39.8
35°	30.7	30.7	27.1	28.9	28.9
37.5°	21.7	21.7	19.9	21.7	21.7
40°	12.7	14.5	14.5	14.5	16.3
42.5°	7.2	9.0	9.0	9.0	9.0
45°	3.6	5.4	5.4	5.4	5.4
47.5°	1.8	1.8	1.8	3.6	3.6
50°	1.8	1.8	1.8	1.8	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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)