

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: P1307411

Luminaire Tested: P3SQAS24R609027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R609027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

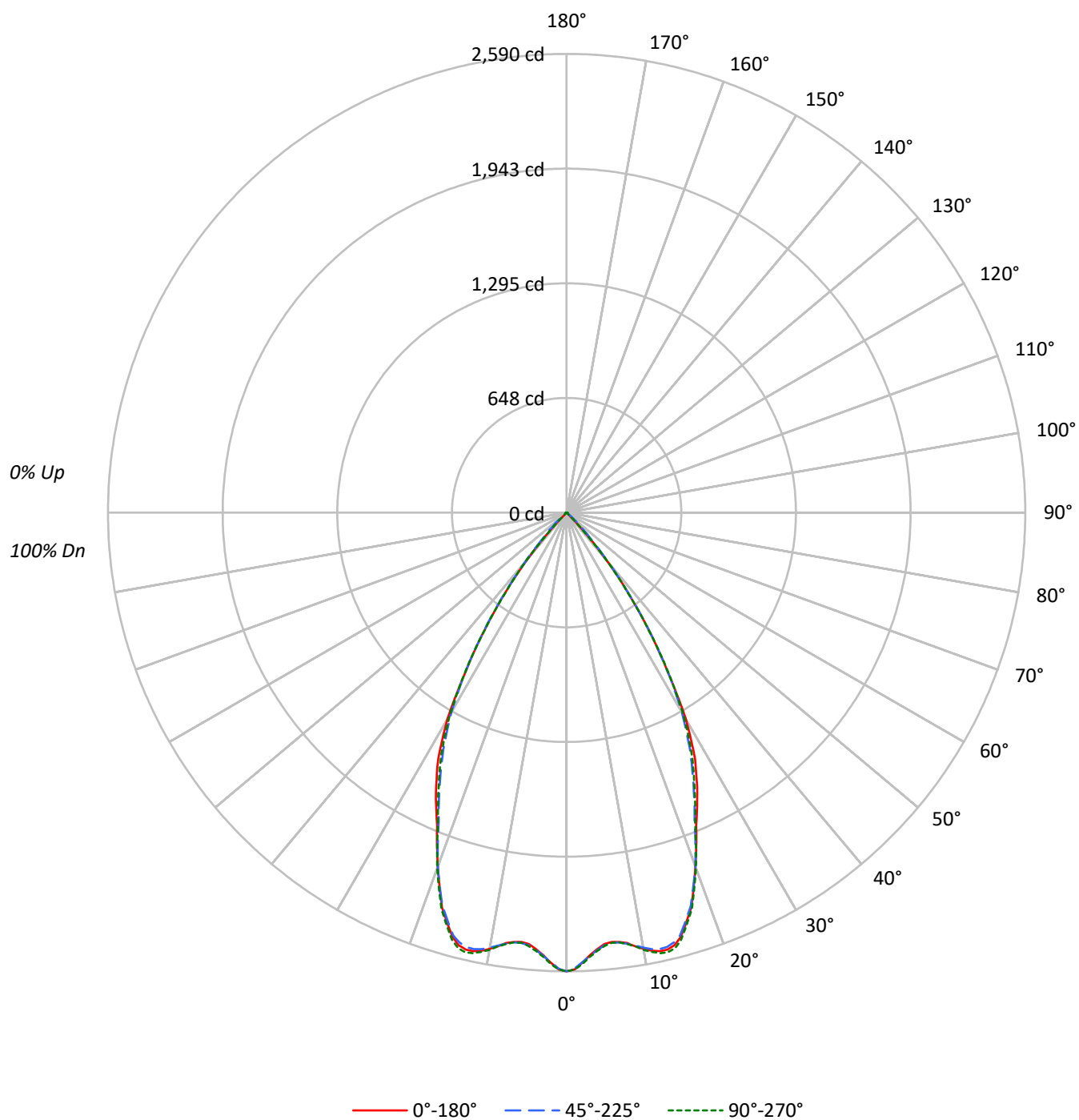
Lumens per Lamp: N/A
Luminaire Lumens: 2309.9 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307411

CATALOG NUMBER: P3SQAS24R609027D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307411

CATALOG NUMBER: P3SQAS24R609027D010 E3SQCD1MW

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	100		
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71		
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55		
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	446022	446022	446022
5°	422745	423989	424612
10°	437426	436167	438370
15°	442750	440824	445335
20°	389864	389534	391513
25°	331749	322133	324889
30°	267753	258406	262721
35°	169457	170992	169079
40°	79227	82487	80441
45°	4847	29057	5724
50°	2411	6779	2411
55°	2702	2702	2702
60°	2480	2480	2480
65°	2201	2934	2201
70°	2719	2719	2719
75°	2396	2396	2396
80°	1785	1785	1785
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 29057 cd/sqm

TEST NUMBER: P1307411

CATALOG NUMBER: P3SQAS24R609027D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	10.2
10°-20°	679.9	29.4
20°-30°	783.7	33.9
30°-40°	503.2	21.8
40°-50°	87.5	3.8
50°-60°	8.3	0.4
60°-70°	6.3	0.3
70°-80°	3.8	0.2
80°-90°	1.2	0.1
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°	1699.5	73.6
0°-40°	2202.7	95.4
0°-60°	2298.6	99.5
0°-90°	2309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2590	2590	2590	2590	2590	
5°	2445	2451	2452	2458	2456	236
15°	2483	2474	2472	2489	2498	680
25°	1746	1726	1695	1697	1710	796
35°	806	801	813	797	804	503
45°	20	60	119	70	24	66
55°	9	9	9	9	9	8
65°	5	7	7	7	5	6
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1307411

CATALOG NUMBER: P3SQAS24R609027D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2589.8	2589.8	2589.8	2589.8	2589.8
1°	2579.0	2577.2	2575.4	2577.2	2579.0
2°	2542.9	2541.0	2539.2	2546.5	2550.1
3°	2503.1	2504.9	2506.7	2510.3	2512.1
4°	2470.6	2474.2	2476.0	2479.6	2481.4
5°	2445.3	2450.7	2452.5	2457.9	2456.1
6°	2438.0	2441.6	2443.5	2445.3	2441.6
7°	2441.6	2443.5	2445.3	2448.9	2445.3
8°	2454.3	2456.1	2457.9	2459.7	2459.7
9°	2479.6	2476.0	2474.2	2481.4	2479.6
10°	2501.3	2495.9	2494.1	2504.9	2506.7
11°	2519.4	2512.1	2510.3	2523.0	2526.6
12°	2532.0	2521.2	2519.4	2535.6	2542.9
13°	2532.0	2517.5	2517.5	2535.6	2546.5
14°	2517.5	2501.3	2501.3	2521.2	2533.8
15°	2483.2	2474.2	2472.4	2488.6	2497.7
17.5°	2338.6	2327.8	2329.6	2347.7	2349.5
20°	2127.2	2121.8	2125.4	2129.0	2136.2
22.5°	1912.1	1908.5	1888.6	1894.0	1897.7
25°	1745.8	1726.0	1695.2	1697.0	1709.7
27.5°	1570.5	1550.7	1507.3	1516.3	1529.0
30°	1346.4	1330.2	1299.4	1304.9	1321.1
32.5°	1057.3	1089.8	1060.9	1069.9	1064.5
35°	806.0	800.6	813.3	797.0	804.2
37.5°	567.5	569.3	574.7	560.3	560.3
40°	352.4	361.5	366.9	359.6	357.8
42.5°	148.2	202.4	213.3	202.4	150.0
45°	19.9	59.6	119.3	70.5	23.5
47.5°	9.0	12.7	63.3	12.7	9.0
50°	9.0	9.0	25.3	9.0	9.0
52.5°	9.0	9.0	9.0	9.0	9.0
55°	9.0	9.0	9.0	9.0	9.0
57.5°	9.0	9.0	9.0	9.0	9.0
60°	7.2	7.2	7.2	7.2	7.2
62.5°	7.2	7.2	7.2	7.2	7.2
65°	5.4	7.2	7.2	7.2	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	5.4	5.4	5.4	5.4	5.4
72.5°	3.6	3.6	3.6	3.6	3.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307411

CATALOG NUMBER: P3SQAS24R609027D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)