

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: P1311694

Luminaire Tested: P3SQAS20R609050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

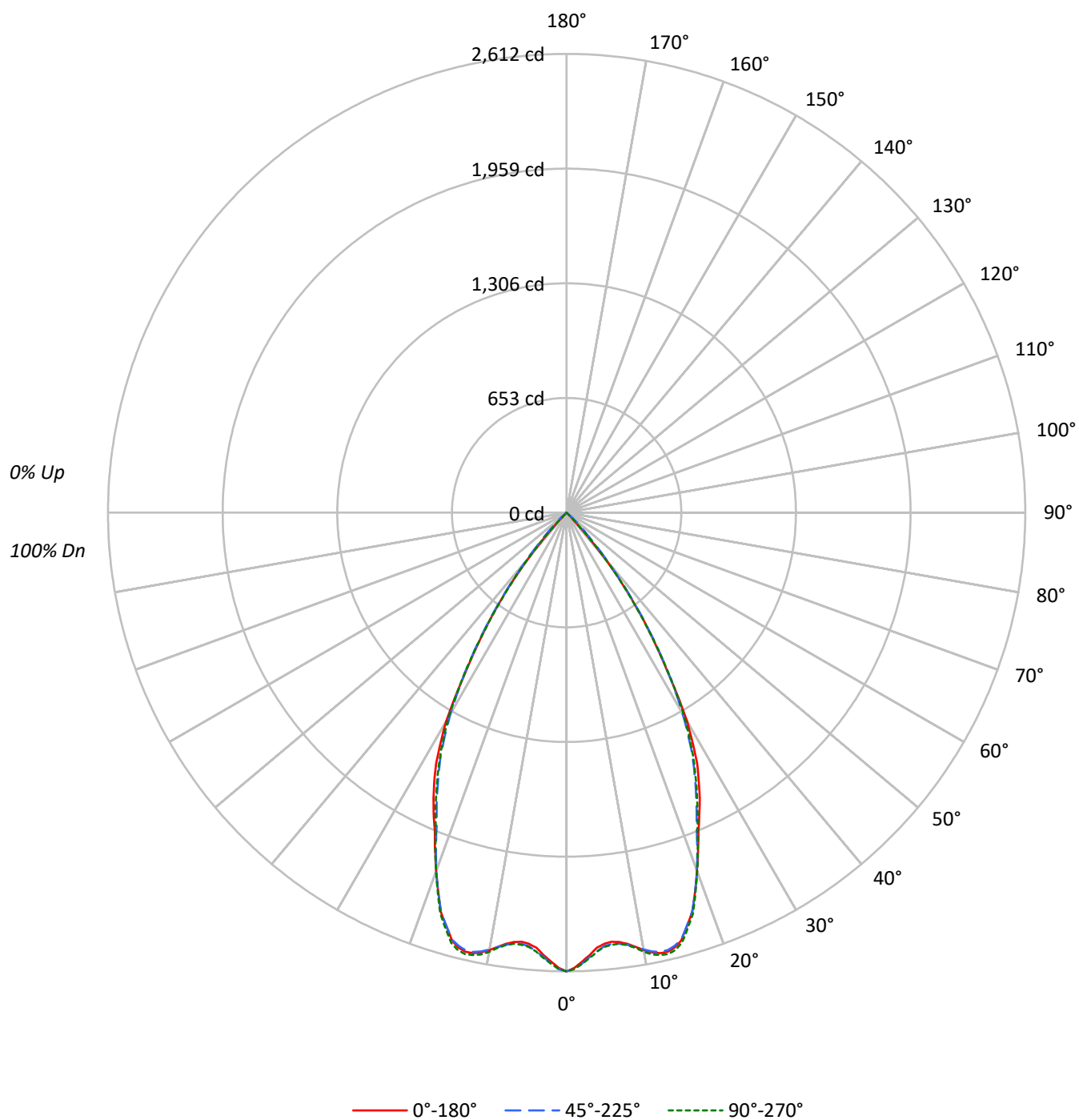
Lumens per Lamp: N/A
Luminaire Lumens: 2315.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311694

CATALOG NUMBER: P3SQAS20R609050D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311694

CATALOG NUMBER: P3SQAS20R609050D010 E3SQCD1MB

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	449897	449897	449897
5°	426081	428311	428951
10°	442305	441658	444246
15°	449632	448990	452271
20°	397909	397909	398588
25°	341003	330817	333630
30°	272784	262861	266917
35°	169226	172716	168848
40°	74303	81767	76372
45°	901	26524	2241
50°	0	2974	0
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: 45°

Vertical Angle: 45°

Luminance: 26524 cd/sqm

TEST NUMBER: P1311694

CATALOG NUMBER: P3SQAS20R609050D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	10.3
10°-20°	691.6	29.9
20°-30°	802.9	34.7
30°-40°	505.6	21.8
40°-50°	75.9	3.3
50°-60°	0.4	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°	1733.1	74.9
0°-40°	2238.7	96.7
0°-60°	2315.0	100.0
0°-90°	2315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2612	2612	2612	2612	2612	
5°	2465	2474	2478	2483	2481	238
15°	2522	2513	2518	2535	2537	691
25°	1794	1774	1741	1748	1756	816
35°	805	807	822	805	803	502
45°	4	35	109	46	9	50
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	

TEST NUMBER: P1311694

CATALOG NUMBER: P3SQAS20R609050D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.3	2612.3	2612.3	2612.3	2612.3
1°	2592.0	2599.4	2599.4	2601.2	2599.4
2°	2556.9	2568.0	2568.0	2573.5	2569.8
3°	2521.8	2531.1	2532.9	2540.3	2538.5
4°	2483.1	2497.8	2503.4	2507.1	2505.2
5°	2464.6	2473.8	2477.5	2483.1	2481.2
6°	2457.2	2464.6	2468.3	2473.8	2473.8
7°	2462.8	2468.3	2473.8	2477.5	2473.8
8°	2479.4	2484.9	2484.9	2492.3	2486.8
9°	2503.4	2505.2	2505.2	2514.5	2508.9
10°	2529.2	2525.5	2525.5	2538.5	2540.3
11°	2551.4	2547.7	2545.8	2558.8	2562.5
12°	2564.3	2556.9	2556.9	2573.5	2575.4
13°	2566.2	2556.9	2556.9	2573.5	2579.1
14°	2551.4	2540.3	2542.2	2560.6	2566.2
15°	2521.8	2512.6	2518.2	2534.8	2536.6
17.5°	2381.5	2376.0	2379.7	2390.8	2392.6
20°	2171.1	2167.4	2171.1	2171.1	2174.8
22.5°	1962.5	1953.2	1934.8	1945.8	1947.7
25°	1794.5	1774.2	1740.9	1748.3	1755.7
27.5°	1609.8	1584.0	1548.9	1558.2	1560.0
30°	1371.7	1358.8	1321.8	1331.1	1342.2
32.5°	1059.7	1094.8	1072.6	1070.8	1072.6
35°	804.9	806.8	821.5	804.9	803.1
37.5°	563.1	564.9	576.0	557.5	559.4
40°	330.5	354.5	363.7	356.3	339.7
42.5°	103.4	182.8	206.8	179.1	114.5
45°	3.7	35.1	108.9	46.2	9.2
47.5°	0.0	1.8	51.7	3.7	0.0
50°	0.0	0.0	11.1	0.0	0.0
52.5°	0.0	0.0	1.8	0.0	0.0
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



TEST NUMBER: P1311694
CATALOG NUMBER: P3SQAS20R609050D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)