

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: P1314738

Luminaire Tested: P3SQAS20R509735D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R509735D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

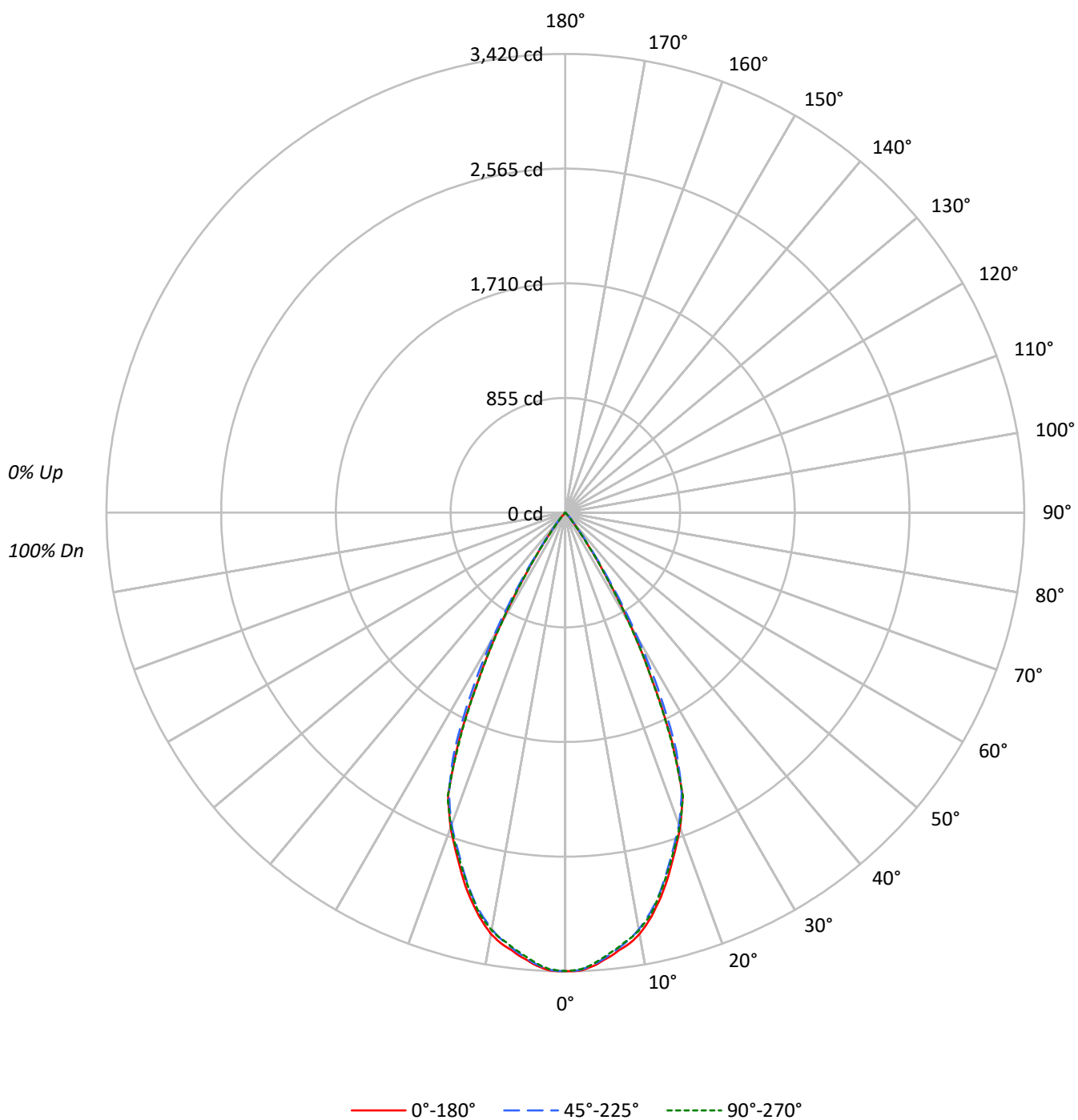
Lumens per Lamp: N/A
Luminaire Lumens: 2201.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314738

CATALOG NUMBER: P3SQAS20R509735D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314738

CATALOG NUMBER: P3SQAS20R509735D010 E3SQCD1MB

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	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	588657	588657	588657
5°	578372	576747	575104
10°	557813	551745	552846
15°	513142	506669	508078
20°	458207	453882	456484
25°	356623	371578	352727
30°	193178	215709	189738
35°	60908	72492	59583
40°	13444	18750	12747
45°	390	5748	390
50°	0	831	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: 5748 cd/sqm

TEST NUMBER: P1314738

CATALOG NUMBER: P3SQAS20R509735D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.1	14.2
10°-20°	795.6	36.1
20°-30°	838.0	38.1
30°-40°	239.3	10.9
40°-50°	14.8	0.7
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°	1946.8	88.4
0°-40°	2186.1	99.3
0°-60°	2201.0	100.0
0°-90°	2201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3418	3418	3418	3418	3418	
5°	3346	3342	3336	3333	3327	315
15°	2878	2859	2842	2846	2850	802
25°	1877	1946	1955	1933	1856	821
35°	290	310	345	293	283	226
45°	2	8	24	8	2	9
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: P1314738

CATALOG NUMBER: P3SQAS20R509735D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3418.0	3418.0	3418.0	3418.0	3418.0
1°	3419.5	3421.1	3418.0	3421.1	3413.2
2°	3414.8	3411.7	3408.5	3410.1	3405.4
3°	3397.5	3395.9	3389.6	3391.2	3384.9
4°	3375.5	3370.7	3366.0	3362.9	3356.6
5°	3345.5	3342.4	3336.1	3332.9	3326.6
6°	3320.3	3314.1	3303.0	3299.9	3293.6
7°	3287.3	3284.1	3270.0	3266.8	3263.7
8°	3262.1	3252.7	3235.3	3236.9	3229.0
9°	3229.0	3216.4	3199.1	3199.1	3200.7
10°	3189.7	3170.8	3155.0	3159.8	3161.3
11°	3137.7	3125.1	3101.5	3112.5	3112.5
12°	3081.0	3065.3	3048.0	3057.4	3063.7
13°	3014.9	3002.3	2986.6	2996.0	2992.9
14°	2950.4	2926.8	2915.7	2928.3	2923.6
15°	2878.0	2859.1	2841.7	2846.5	2849.6
17.5°	2684.3	2663.8	2651.2	2652.8	2667.0
20°	2500.1	2492.2	2476.5	2482.8	2490.7
22.5°	2282.8	2286.0	2267.1	2271.8	2290.7
25°	1876.7	1945.9	1955.4	1933.3	1856.2
27.5°	1390.2	1494.1	1525.6	1475.2	1380.7
30°	971.4	999.7	1084.7	988.7	954.1
32.5°	569.9	612.4	658.1	592.0	568.3
35°	289.7	310.2	344.8	292.8	283.4
37.5°	133.8	143.3	157.4	133.8	125.9
40°	59.8	70.8	83.4	67.7	56.7
42.5°	18.9	33.1	44.1	29.9	17.3
45°	1.6	7.9	23.6	7.9	1.6
47.5°	0.0	1.6	9.4	1.6	0.0
50°	0.0	0.0	3.1	0.0	0.0
52.5°	0.0	0.0	0.0	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: P1314738
CATALOG NUMBER: P3SQAS20R509735D010 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)