

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: P1315719

Luminaire Tested: P3SQAS20R559740D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559740D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

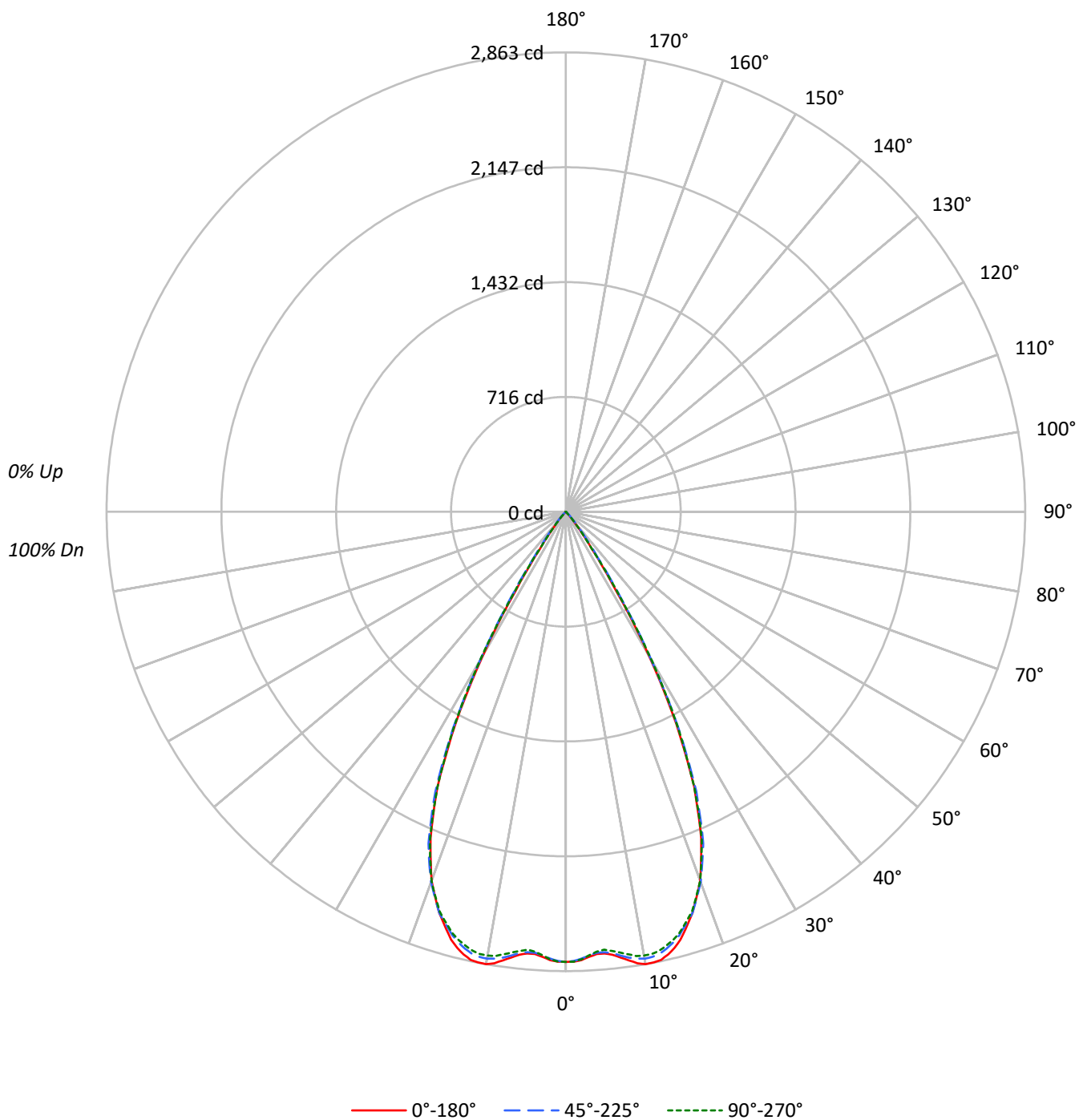
Lumens per Lamp: N/A
Luminaire Lumens: 2133.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315719

CATALOG NUMBER: P3SQAS20R559740D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315719

CATALOG NUMBER: P3SQAS20R559740D010 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	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	483188	483188	483188
5°	477669	476268	473710
10°	500680	494664	491219
15°	492352	487092	485345
20°	448457	450271	448768
25°	359796	365383	359796
30°	206502	211712	213343
35°	58890	70937	60614
40°	15108	21718	15468
45°	1607	7575	1193
50°	0	1313	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: 7575 cd/sqm

TEST NUMBER: P1315719

CATALOG NUMBER: P3SQAS20R559740D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.4	12.5
10°-20°	760.1	35.6
20°-30°	837.2	39.3
30°-40°	249.9	11.7
40°-50°	19.2	0.9
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°	1863.7	87.4
0°-40°	2113.7	99.1
0°-60°	2133.0	100.0
0°-90°	2133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2806	2806	2806	2806	2806	
5°	2763	2758	2755	2743	2740	268
15°	2761	2742	2732	2720	2722	765
25°	1893	1893	1923	1920	1893	829
35°	280	298	337	308	288	231
45°	7	16	31	16	5	12
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: P1315719

CATALOG NUMBER: P3SQAS20R559740D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2805.6	2805.6	2805.6	2805.6	2805.6
1°	2804.0	2804.0	2800.7	2799.1	2804.0
2°	2795.8	2795.8	2787.6	2786.0	2790.9
3°	2777.8	2776.2	2769.6	2764.7	2768.0
4°	2763.0	2759.8	2754.9	2746.7	2748.3
5°	2763.0	2758.1	2754.9	2743.4	2740.1
6°	2776.2	2772.9	2766.3	2754.9	2751.6
7°	2799.1	2792.5	2786.0	2771.2	2768.0
8°	2823.6	2818.7	2805.6	2790.9	2784.3
9°	2848.2	2836.8	2820.4	2805.6	2804.0
10°	2863.0	2846.6	2828.6	2810.5	2808.9
11°	2861.3	2846.6	2825.3	2808.9	2807.3
12°	2854.8	2833.5	2815.5	2795.8	2797.4
13°	2831.8	2812.2	2794.2	2779.4	2776.2
14°	2800.7	2782.7	2766.3	2751.6	2753.2
15°	2761.4	2741.8	2731.9	2720.5	2722.1
17.5°	2622.2	2617.3	2622.2	2609.1	2614.0
20°	2446.9	2442.0	2456.8	2450.2	2448.6
22.5°	2202.9	2209.5	2237.3	2229.1	2214.4
25°	1893.4	1893.4	1922.8	1919.6	1893.4
27.5°	1490.4	1501.9	1519.9	1528.1	1508.5
30°	1038.4	1064.6	1064.6	1081.0	1072.8
32.5°	579.8	635.5	648.6	656.8	624.0
35°	280.1	298.1	337.4	307.9	288.3
37.5°	134.3	142.5	181.8	147.4	137.6
40°	67.2	77.0	96.6	80.3	68.8
42.5°	27.8	40.9	50.8	40.9	27.8
45°	6.6	16.4	31.1	16.4	4.9
47.5°	0.0	1.6	14.7	3.3	0.0
50°	0.0	0.0	4.9	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: P1315719

CATALOG NUMBER: P3SQAS20R559740D010 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)