

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: P1307254

Luminaire Tested: P3SQAS20R559027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307254
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: P3SQAS20R559027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

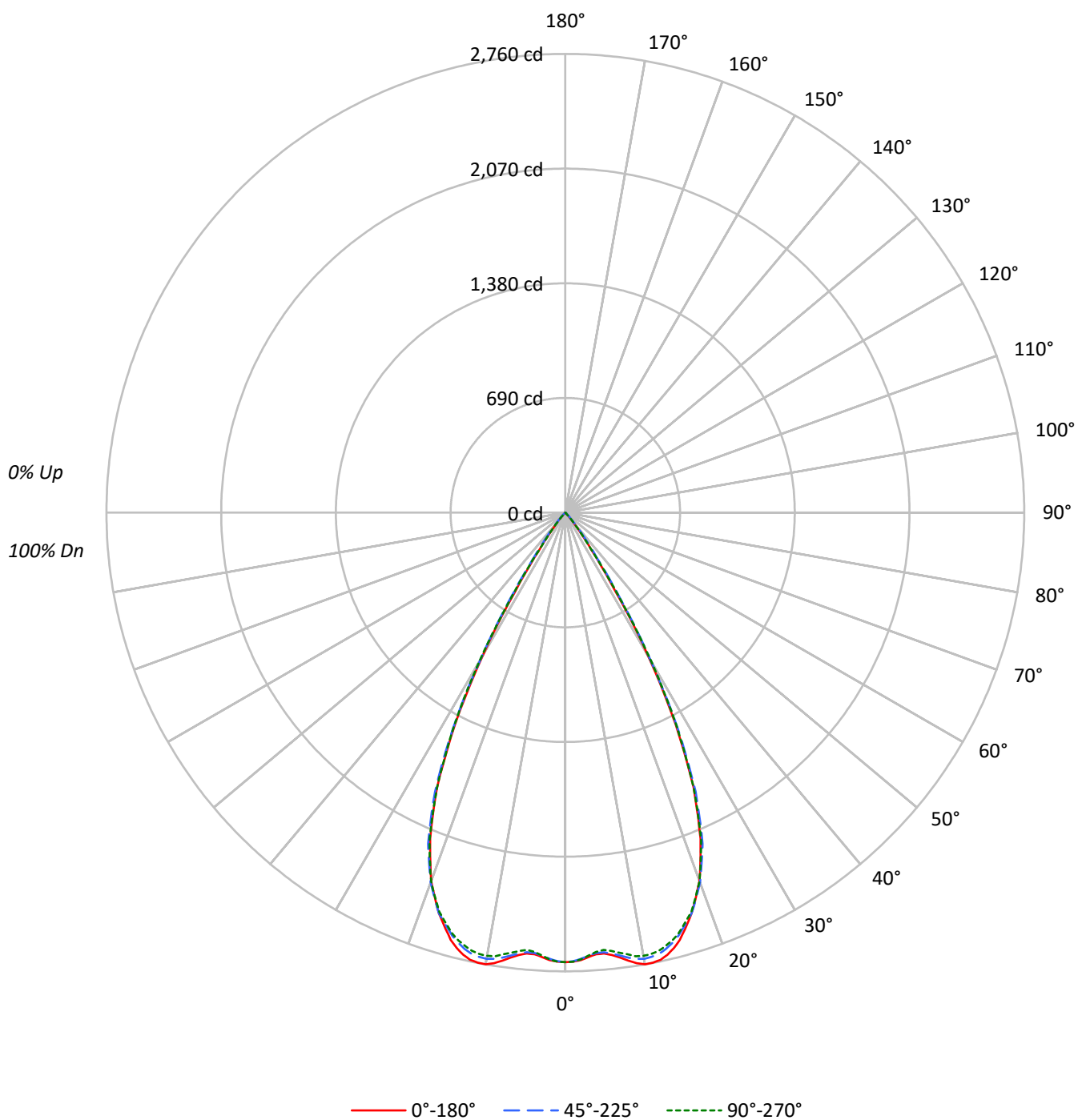
Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307254

CATALOG NUMBER: P3SQAS20R559027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307254

CATALOG NUMBER: P3SQAS20R559027D010 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	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	465742	465742	465742
5°	460433	459067	456612
10°	482597	476809	473486
15°	474576	469512	467818
20°	432274	434015	432567
25°	346799	352195	346799
30°	199045	204076	205647
35°	56766	68372	58427
40°	14546	20931	14906
45°	1534	7307	1145
50°	0	1259	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: 7307 cd/sqm

TEST NUMBER: P1307254

CATALOG NUMBER: P3SQAS20R559027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	12.5
10°-20°	732.7	35.6
20°-30°	807.0	39.3
30°-40°	240.9	11.7
40°-50°	18.5	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°	1796.5	87.4
0°-40°	2037.4	99.1
0°-60°	2056.0	100.0
0°-90°	2056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2704	2704	2704	2704	2704	
5°	2663	2659	2655	2644	2641	258
15°	2662	2643	2633	2622	2624	738
25°	1825	1825	1853	1850	1825	799
35°	270	287	325	297	278	223
45°	6	16	30	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: P1307254

CATALOG NUMBER: P3SQAS20R559027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2704.3	2704.3	2704.3	2704.3	2704.3
1°	2702.8	2702.8	2699.6	2698.0	2702.8
2°	2694.9	2694.9	2687.0	2685.4	2690.1
3°	2677.5	2675.9	2669.6	2664.9	2668.0
4°	2663.3	2660.1	2655.4	2647.5	2649.1
5°	2663.3	2658.6	2655.4	2644.4	2641.2
6°	2675.9	2672.8	2666.5	2655.4	2652.3
7°	2698.0	2691.7	2685.4	2671.2	2668.0
8°	2721.7	2717.0	2704.3	2690.1	2683.8
9°	2745.4	2734.3	2718.6	2704.3	2702.8
10°	2759.6	2743.8	2726.5	2709.1	2707.5
11°	2758.0	2743.8	2723.3	2707.5	2705.9
12°	2751.7	2731.2	2713.8	2694.9	2696.5
13°	2729.6	2710.7	2693.3	2679.1	2675.9
14°	2699.6	2682.2	2666.5	2652.3	2653.8
15°	2661.7	2642.8	2633.3	2622.3	2623.8
17.5°	2527.5	2522.8	2527.5	2514.9	2519.6
20°	2358.6	2353.9	2368.1	2361.8	2360.2
22.5°	2123.4	2129.7	2156.5	2148.6	2134.4
25°	1825.0	1825.0	1853.4	1850.3	1825.0
27.5°	1436.6	1447.7	1465.1	1472.9	1454.0
30°	1000.9	1026.2	1026.2	1042.0	1034.1
32.5°	558.9	612.5	625.2	633.1	601.5
35°	270.0	287.3	325.2	296.8	277.9
37.5°	129.5	137.3	175.2	142.1	132.6
40°	64.7	74.2	93.1	77.4	66.3
42.5°	26.8	39.5	48.9	39.5	26.8
45°	6.3	15.8	30.0	15.8	4.7
47.5°	0.0	1.6	14.2	3.2	0.0
50°	0.0	0.0	4.7	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: P1307254

CATALOG NUMBER: P3SQAS20R559027D010 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)