

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: P1312628

Luminaire Tested: P3SQAS17R459727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

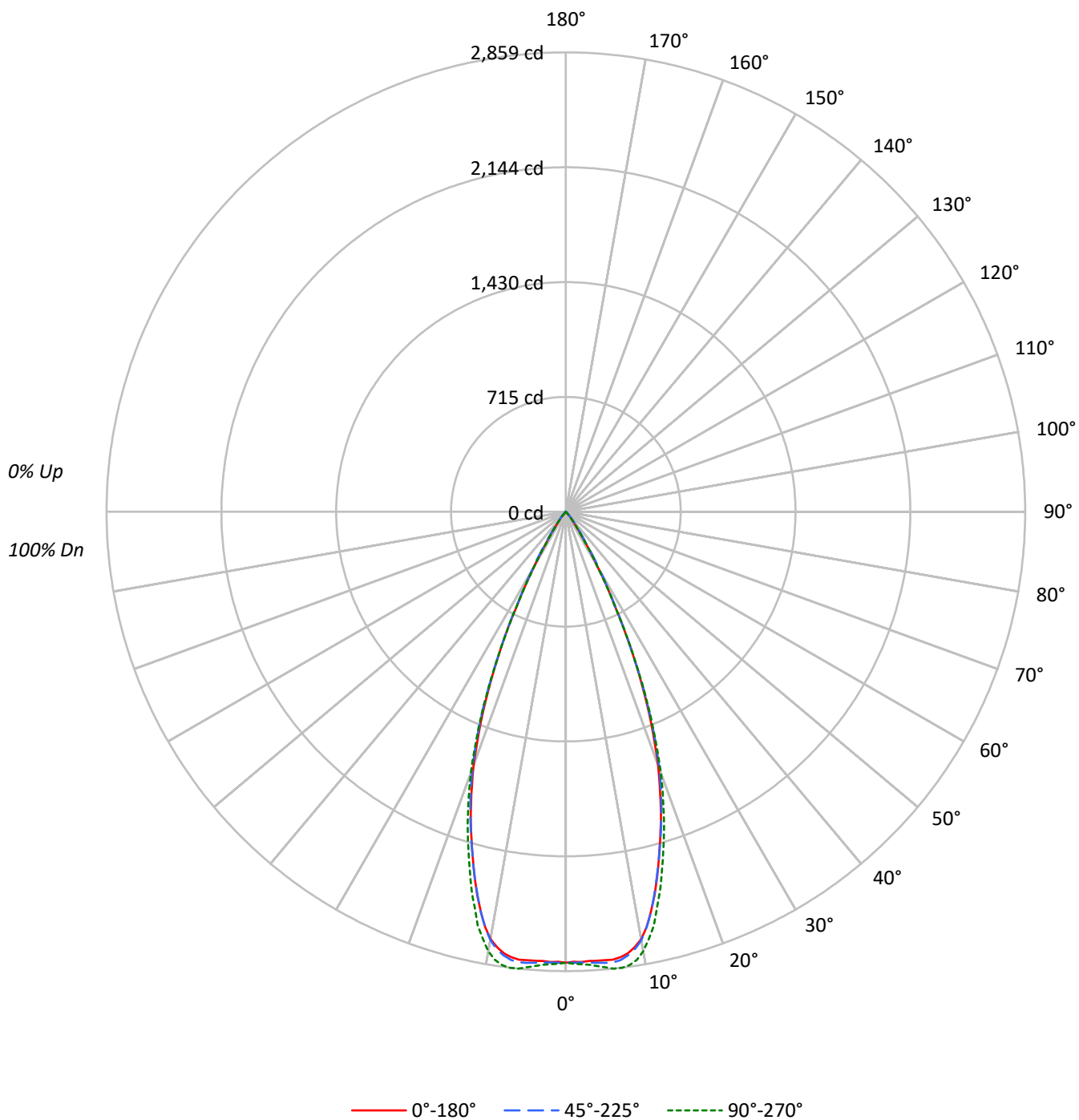
Lumens per Lamp: N/A
Luminaire Lumens: 1451.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1312628

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312628

CATALOG NUMBER: P3SQAS17R459727DE010 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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	483343	483343	483343
5°	484446	487246	492087
10°	472314	473259	485710
15°	398460	398656	411744
20°	307591	311935	317085
25°	190825	191015	192250
30°	78711	83643	77438
35°	24494	29939	23589
40°	7509	10432	7037
45°	536	3946	536
50°	0	589	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: 3946 cd/sqm

TEST NUMBER: P1312628

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.1	18.4
10°-20°	621.0	42.8
20°-30°	455.6	31.4
30°-40°	97.9	6.7
40°-50°	9.3	0.6
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°	1343.7	92.6
0°-40°	1441.6	99.4
0°-60°	1451.0	100.0
0°-90°	1451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2806	2806	2806	2806	2806	
5°	2802	2810	2818	2838	2846	265
15°	2235	2230	2236	2272	2309	615
25°	1004	1001	1005	1005	1012	450
35°	116	125	142	122	112	92
45°	2	6	16	6	2	5
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: P1312628

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2806.5	2806.5	2806.5	2806.5	2806.5
1°	2801.1	2807.6	2807.6	2811.9	2814.0
2°	2803.3	2807.6	2806.5	2814.0	2817.3
3°	2800.0	2807.6	2809.7	2818.4	2823.7
4°	2801.1	2807.6	2814.0	2827.0	2834.5
5°	2802.2	2809.7	2818.4	2837.8	2846.4
6°	2803.3	2808.6	2818.4	2843.2	2859.3
7°	2792.5	2800.0	2810.8	2842.1	2859.3
8°	2775.2	2779.5	2788.2	2829.1	2849.6
9°	2742.9	2741.8	2754.7	2800.0	2823.7
10°	2700.8	2687.8	2706.2	2751.5	2777.4
11°	2632.8	2618.8	2635.0	2683.5	2708.3
12°	2544.4	2544.4	2547.6	2590.8	2633.9
13°	2450.6	2439.8	2446.2	2494.8	2525.0
14°	2347.0	2336.2	2342.7	2379.4	2426.8
15°	2234.8	2230.5	2235.9	2271.5	2309.3
17.5°	1968.4	1958.7	1978.1	2013.7	2033.1
20°	1678.3	1694.5	1702.0	1724.7	1730.1
22.5°	1345.0	1362.3	1373.0	1376.3	1379.5
25°	1004.2	1000.9	1005.2	1005.2	1011.7
27.5°	660.1	660.1	672.0	664.4	656.9
30°	395.8	412.0	420.6	406.6	389.4
32.5°	215.7	231.9	245.9	225.4	210.3
35°	116.5	125.1	142.4	121.9	112.2
37.5°	63.6	71.2	82.0	69.0	63.6
40°	33.4	41.0	46.4	41.0	31.3
42.5°	10.8	20.5	27.0	20.5	9.7
45°	2.2	6.5	16.2	6.5	2.2
47.5°	0.0	1.1	7.6	1.1	0.0
50°	0.0	0.0	2.2	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: P1312628

CATALOG NUMBER: P3SQAS17R459727DE010 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)