

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: P1312630

Luminaire Tested: P3SQAS17R459727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

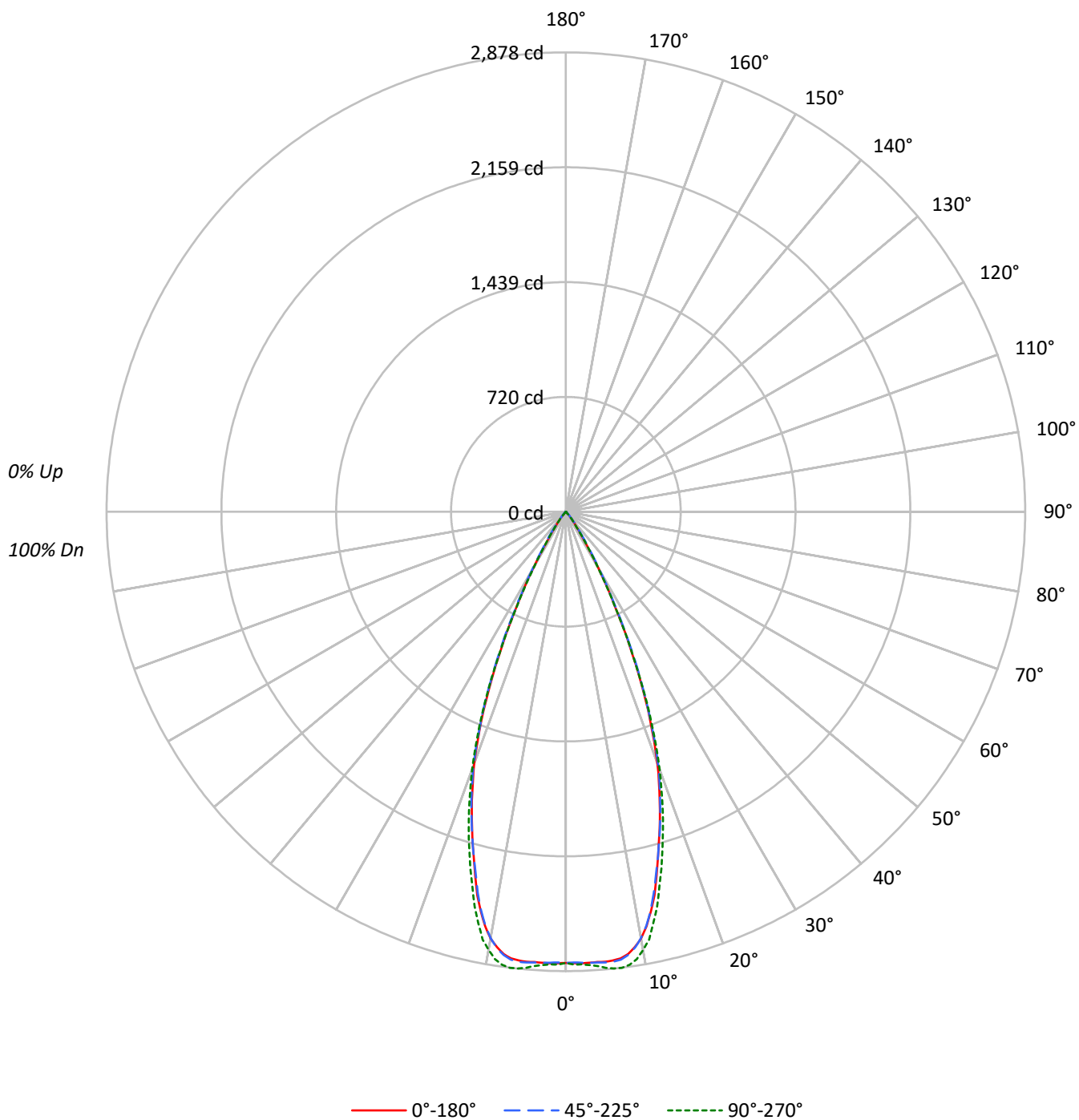
Lumens per Lamp: N/A
Luminaire Lumens: 1463.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312630

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312630

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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	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	486822	486822	486822
5°	489252	490168	495769
10°	474728	474343	487546
15°	397854	397658	412278
20°	307555	310725	315069
25°	188544	192440	188963
30°	80859	84498	78273
35°	25398	30612	24725
40°	8723	11151	8476
45°	1583	4725	1315
50°	857	1742	857
55°	961	961	961
60°	758	758	758
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4725 cd/sqm

TEST NUMBER: P1312630

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	18.4
10°-20°	620.8	42.4
20°-30°	454.5	31.1
30°-40°	100.4	6.9
40°-50°	12.3	0.8
50°-60°	2.9	0.2
60°-70°	2.1	0.1
70°-80°	1.2	0.1
80°-90°	0.1	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°	1344.0	91.9
0°-40°	1444.4	98.7
0°-60°	1459.6	99.8
0°-90°	1463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2827	2827	2827	2827	2827	
5°	2830	2828	2835	2856	2868	267
15°	2231	2220	2230	2284	2312	616
25°	992	991	1013	1005	994	449
35°	121	127	146	127	118	95
45°	6	11	19	11	5	9
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312630

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2826.7	2826.7	2826.7	2826.7	2826.7
1°	2828.9	2824.6	2823.5	2831.0	2836.4
2°	2831.0	2825.6	2826.7	2834.3	2837.5
3°	2828.9	2823.5	2828.9	2839.7	2844.0
4°	2827.8	2825.6	2831.0	2846.1	2853.7
5°	2830.0	2827.8	2835.3	2855.8	2867.7
6°	2826.7	2823.5	2834.3	2860.1	2877.4
7°	2819.2	2815.9	2827.8	2859.1	2878.5
8°	2798.7	2792.2	2804.1	2842.9	2866.6
9°	2762.0	2753.4	2765.2	2810.5	2838.6
10°	2714.6	2704.8	2712.4	2756.6	2787.9
11°	2646.6	2633.7	2642.3	2689.7	2730.7
12°	2560.3	2542.0	2552.8	2606.7	2635.8
13°	2466.5	2449.2	2451.4	2499.9	2540.9
14°	2350.0	2327.4	2337.1	2387.8	2420.1
15°	2231.4	2219.5	2230.3	2284.2	2312.3
17.5°	1959.6	1958.5	1968.2	2008.1	2023.2
20°	1678.1	1681.4	1695.4	1717.0	1719.1
22.5°	1344.9	1346.0	1361.1	1376.2	1372.9
25°	992.2	991.1	1012.7	1005.2	994.4
27.5°	657.9	662.2	681.6	667.6	656.8
30°	406.6	415.2	424.9	407.7	393.6
32.5°	220.0	234.0	248.1	233.0	218.9
35°	120.8	127.3	145.6	127.3	117.6
37.5°	70.1	73.3	85.2	73.3	66.9
40°	38.8	44.2	49.6	44.2	37.7
42.5°	16.2	24.8	30.2	24.8	16.2
45°	6.5	10.8	19.4	10.8	5.4
47.5°	3.2	4.3	11.9	4.3	3.2
50°	3.2	3.2	6.5	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.2	2.2	2.2	3.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	2.2	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
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: P1312630

CATALOG NUMBER: P3SQAS17R459727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)