

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: P1316433

Luminaire Tested: P3SQAS17R459827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316433
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: P3SQAS17R459827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

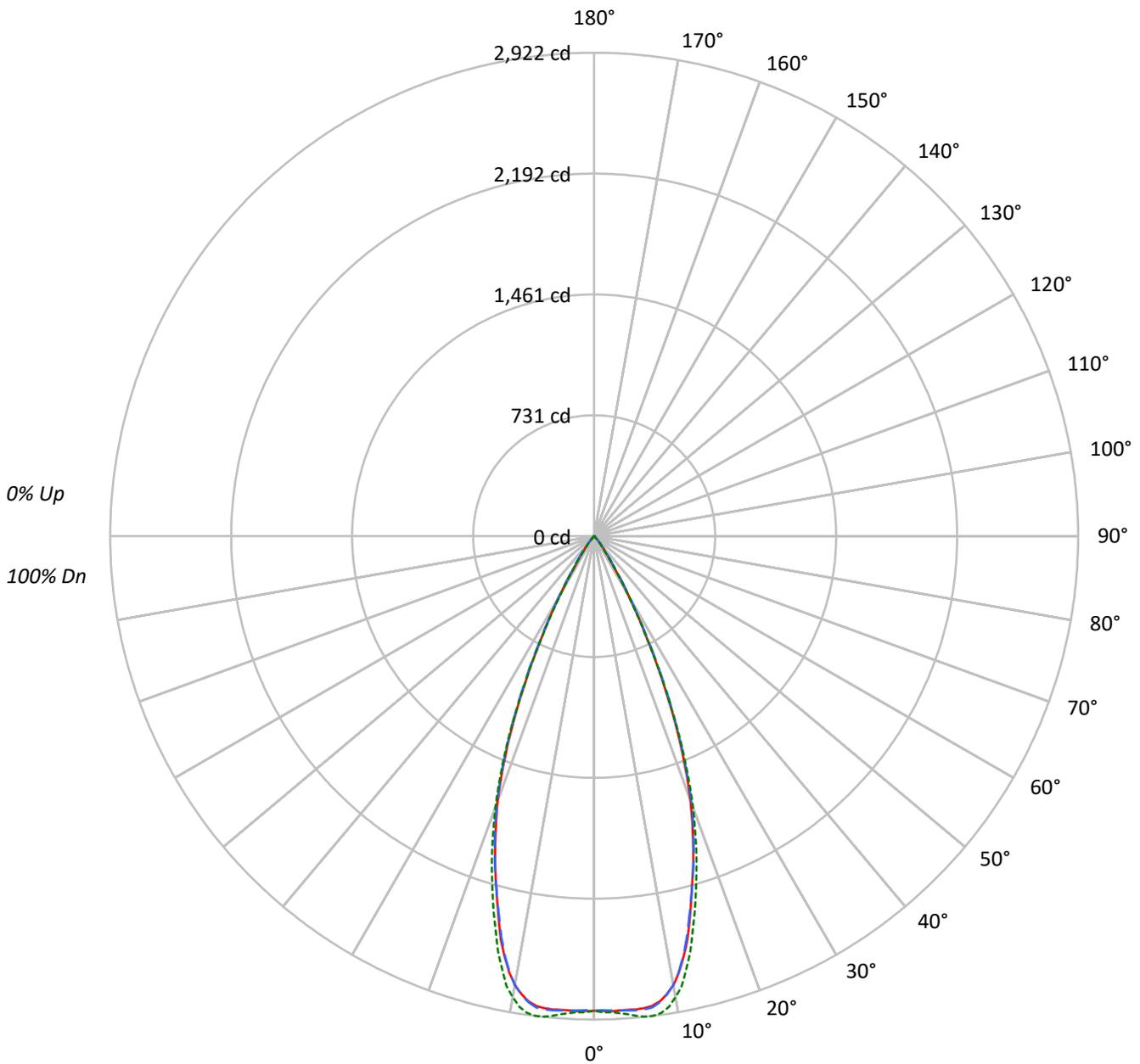
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1485.0 lumens
Efficiency: N/A
Efficacy: 72.8 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1316433
CATALOG NUMBER: P3SQAS17R459827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270°



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CATALOG NUMBER: P3SQAS17R459827DE010 E3SQCD1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	494141	494141	494141
5°	496599	497550	503221
10°	481863	481478	494874
15°	403827	403649	418465
20°	312191	315399	319816
25°	191376	195328	191794
30°	82072	85771	79467
35°	25776	31074	25082
40°	8858	11331	8611
45°	1607	4798	1340
50°	884	1768	884
55°	991	991	991
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: 4798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	18.4
10°-20°	630.1	42.4
20°-30°	461.4	31.1
30°-40°	101.9	6.9
40°-50°	12.5	0.8
50°-60°	3.0	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°	1364.2	91.9
0°-40°	1466.1	98.7
0°-60°	1481.6	99.8
0°-90°	1485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2869	2869	2869	2869	2869	
5°	2872	2870	2878	2899	2911	271
15°	2265	2253	2264	2319	2347	625
25°	1007	1006	1028	1020	1009	456
35°	123	129	148	129	119	97
45°	7	11	20	11	6	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	0



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CATALOG NUMBER: P3SQAS17R459827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2869.2	2869.2	2869.2	2869.2	2869.2
1°	2871.4	2867.0	2865.9	2873.6	2879.1
2°	2873.6	2868.1	2869.2	2876.9	2880.2
3°	2871.4	2865.9	2871.4	2882.4	2886.7
4°	2870.3	2868.1	2873.6	2888.9	2896.6
5°	2872.5	2870.3	2878.0	2898.8	2910.8
6°	2869.2	2865.9	2876.9	2903.2	2920.7
7°	2861.6	2858.3	2870.3	2902.1	2921.8
8°	2840.8	2834.2	2846.2	2885.6	2909.7
9°	2803.5	2794.8	2806.8	2852.8	2881.3
10°	2755.4	2745.5	2753.2	2798.1	2829.8
11°	2686.4	2673.3	2682.0	2730.2	2771.8
12°	2598.8	2580.2	2591.2	2645.9	2675.5
13°	2503.6	2486.1	2488.3	2537.5	2579.1
14°	2385.4	2362.4	2372.2	2423.7	2456.5
15°	2264.9	2252.9	2263.9	2318.6	2347.0
17.5°	1989.1	1988.0	1997.8	2038.3	2053.7
20°	1703.4	1706.6	1720.9	1742.8	1745.0
22.5°	1365.1	1366.2	1381.5	1396.8	1393.6
25°	1007.1	1006.0	1027.9	1020.3	1009.3
27.5°	667.8	672.1	691.9	677.6	666.7
30°	412.7	421.5	431.3	413.8	399.6
32.5°	223.3	237.6	251.8	236.5	222.2
35°	122.6	129.2	147.8	129.2	119.3
37.5°	71.2	74.4	86.5	74.4	67.9
40°	39.4	44.9	50.4	44.9	38.3
42.5°	16.4	25.2	30.7	25.2	16.4
45°	6.6	10.9	19.7	10.9	5.5
47.5°	3.3	4.4	12.0	4.4	3.3
50°	3.3	3.3	6.6	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	2.2	2.2	2.2	3.3	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: P1316433
CATALOG NUMBER: P3SQAS17R459827DE010 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)