

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: P1307425

Luminaire Tested: P3SQAS24R709027D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709027D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

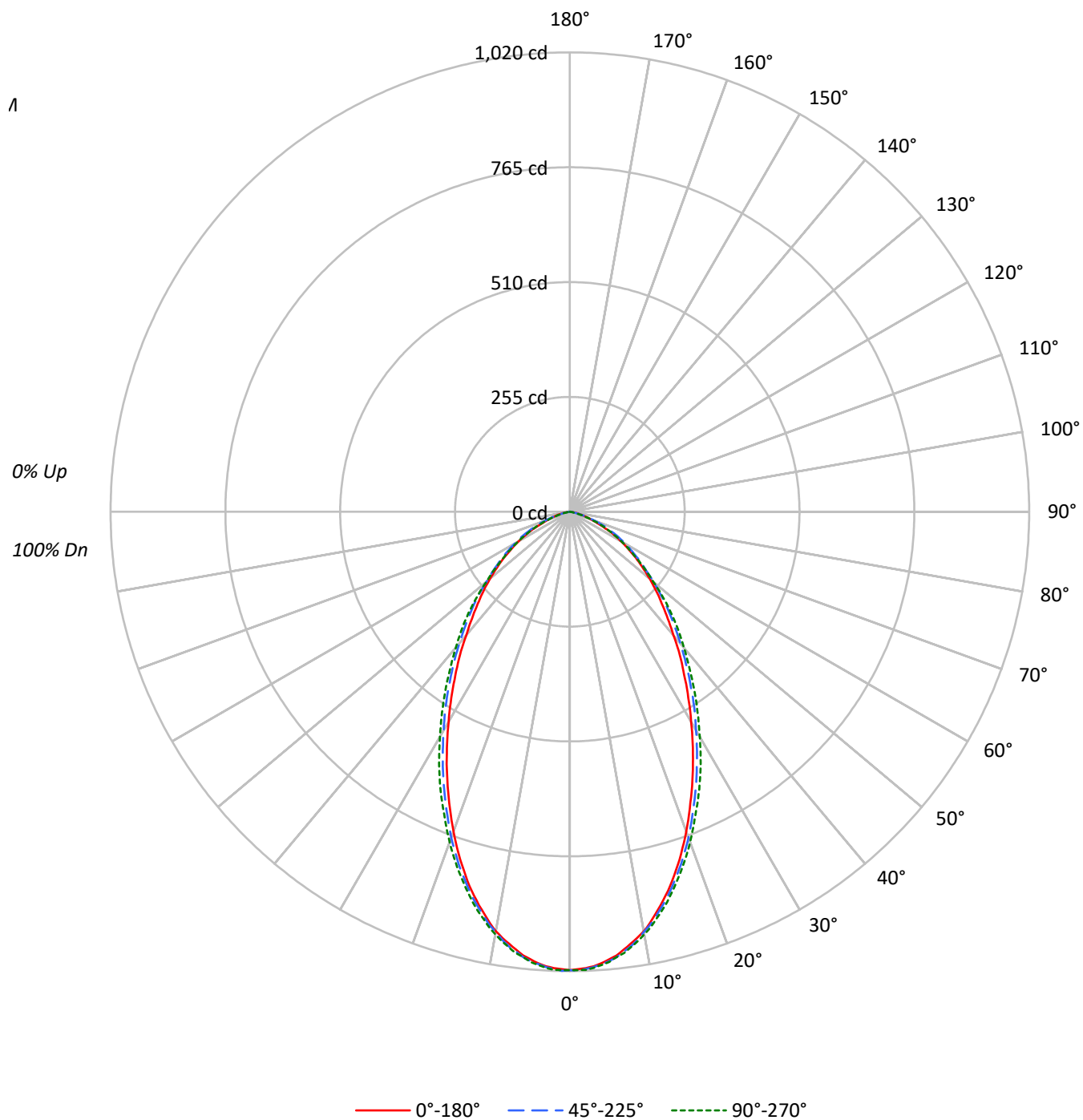
Lumens per Lamp: N/A
Luminaire Lumens: 1457.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307425

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307425

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCLDWW1MB

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	175288	175288	175288
5°	172517	173140	173451
10°	165331	165646	166608
15°	153425	154709	155993
20°	138483	141140	143120
25°	122643	126064	129161
30°	107129	111444	114686
35°	93118	98058	101107
40°	80463	85747	88602
45°	70437	75284	77501
50°	61999	64893	64893
55°	53747	56449	54828
60°	45467	48567	46087
65°	35372	40507	36839
70°	25479	30062	25479
75°	19231	18033	14440
80°	12596	8926	3570
85°	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 77501 cd/sqm

TEST NUMBER: P1307425

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	6.4
10°-20°	242.2	16.6
20°-30°	304.0	20.9
30°-40°	290.4	19.9
40°-50°	236.1	16.2
50°-60°	165.3	11.3
60°-70°	93.3	6.4
70°-80°	29.6	2.0
80°-90°	2.3	0.2
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°	640.1	43.9
0°-40°	930.4	63.9
0°-60°	1331.8	91.4
0°-90°	1457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	998	1000	1002	1000	1003	94
15°	860	862	868	870	875	240
25°	645	653	663	674	680	296
35°	443	450	466	475	481	278
45°	289	296	309	314	318	224
55°	179	181	188	184	183	160
65°	87	92	99	94	90	87
75°	29	29	27	24	22	31
85°	2	2	0	0	0	4
90°	0	0	0	0	0	

TEST NUMBER: P1307425

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.8	1017.8	1017.8	1017.8	1017.8
1°	1015.9	1017.8	1019.6	1015.9	1017.8
2°	1014.1	1015.9	1015.9	1014.1	1017.8
3°	1010.5	1012.3	1012.3	1010.5	1014.1
4°	1005.1	1006.9	1006.9	1005.1	1008.7
5°	997.9	999.7	1001.5	999.7	1003.3
6°	990.6	992.4	994.2	992.4	994.2
7°	979.8	983.4	983.4	983.4	987.0
8°	968.9	972.6	974.4	972.6	976.2
9°	958.1	959.9	961.7	961.7	965.3
10°	945.4	947.2	947.2	949.1	952.7
11°	931.0	931.0	934.6	934.6	940.0
12°	912.9	914.7	918.3	920.1	923.7
13°	896.6	898.4	902.1	903.9	909.3
14°	878.6	882.2	885.8	887.6	893.0
15°	860.5	862.3	867.7	869.5	874.9
17.5°	809.9	811.7	820.7	824.3	829.7
20°	755.6	761.1	770.1	775.5	780.9
22.5°	699.6	705.0	715.9	724.9	728.5
25°	645.4	652.6	663.4	674.3	679.7
27.5°	591.1	598.4	611.0	621.9	629.1
30°	538.7	545.9	560.4	569.4	576.7
32.5°	489.9	497.1	513.4	522.4	527.9
35°	442.9	450.1	466.4	475.4	480.9
37.5°	401.3	408.5	423.0	432.0	435.7
40°	357.9	367.0	381.4	390.5	394.1
42.5°	321.8	329.0	343.5	350.7	356.1
45°	289.2	296.5	309.1	314.5	318.2
47.5°	260.3	263.9	274.8	276.6	280.2
50°	231.4	235.0	242.2	244.0	242.2
52.5°	204.3	207.9	213.3	211.5	211.5
55°	179.0	180.8	188.0	184.4	182.6
57.5°	153.7	157.3	164.5	159.1	157.3
60°	132.0	135.6	141.0	137.4	133.8
62.5°	110.3	112.1	121.1	113.9	110.3
65°	86.8	92.2	99.4	94.0	90.4
67.5°	65.1	74.1	81.3	74.1	70.5
70°	50.6	54.2	59.7	56.0	50.6
72.5°	38.0	39.8	41.6	38.0	34.3
75°	28.9	28.9	27.1	23.5	21.7
77.5°	19.9	19.9	16.3	10.8	10.8
80°	12.7	12.7	9.0	3.6	3.6
82.5°	5.4	5.4	3.6	1.8	1.8
85°	1.8	1.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307425

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)