

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: P1307427

Luminaire Tested: P3SQAS24R709027D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709027D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

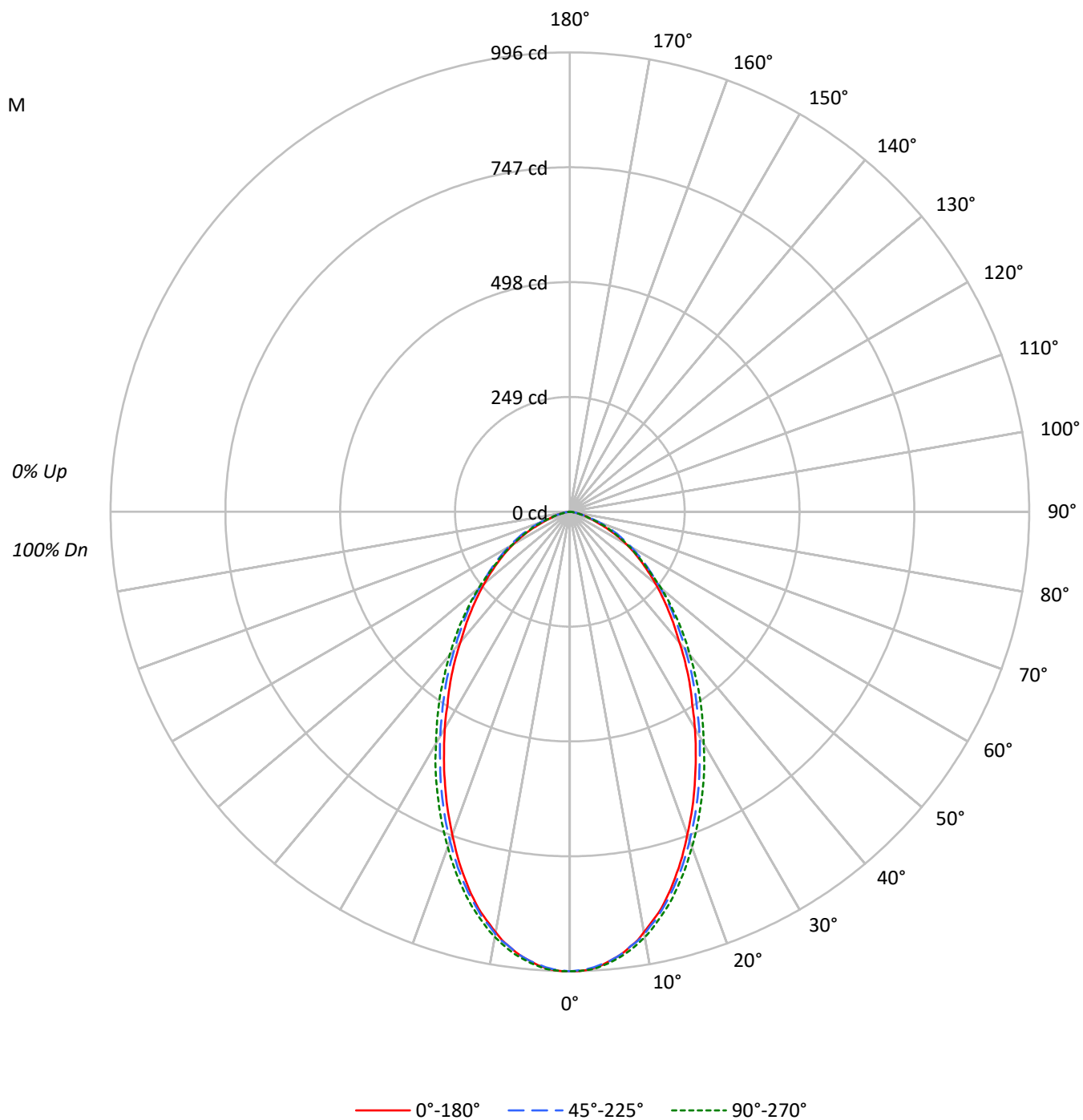
Lumens per Lamp: N/A
Luminaire Lumens: 1496.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	171585	171585	171585
5°	169112	169112	169751
10°	161903	162533	163792
15°	150876	152177	154103
20°	136540	139179	141837
25°	121978	125418	128857
30°	107885	111842	115422
35°	95052	99215	103399
40°	82936	87410	91052
45°	73555	77501	80155
50°	64920	68322	69287
55°	57020	60262	58641
60°	49187	52941	50461
65°	39040	45682	41281
70°	28249	35500	30968
75°	21626	22890	19231
80°	14381	14381	10711
85°	7114	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 80155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	6.1
10°-20°	238.5	15.9
20°-30°	303.0	20.3
30°-40°	294.7	19.7
40°-50°	245.1	16.4
50°-60°	176.7	11.8
60°-70°	104.0	7.0
70°-80°	36.8	2.5
80°-90°	5.4	0.4
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°	633.3	42.3
0°-40°	928.0	62.0
0°-60°	1349.8	90.2
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	978	976	978	978	982	92
15°	846	846	854	859	864	236
25°	642	649	660	673	678	295
35°	452	458	472	485	492	282
45°	302	307	318	326	329	234
55°	190	195	201	199	195	171
65°	96	103	112	107	101	95
75°	32	34	34	31	29	35
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.3	996.3	996.3	996.3	996.3
1°	996.3	994.5	994.5	994.5	996.3
2°	994.5	992.7	992.7	992.7	994.5
3°	990.9	989.1	989.1	989.1	992.7
4°	985.5	981.9	983.7	983.7	987.3
5°	978.2	976.4	978.2	978.2	981.9
6°	971.0	969.2	971.0	971.0	974.6
7°	962.0	960.2	962.0	963.8	967.4
8°	951.1	949.3	951.1	952.9	958.3
9°	940.3	938.5	942.1	943.9	947.5
10°	925.8	925.8	929.4	931.2	936.6
11°	911.3	911.3	915.0	918.6	924.0
12°	896.9	896.9	902.3	905.9	909.5
13°	882.4	880.6	886.0	889.6	895.1
14°	864.3	862.5	869.7	875.2	880.6
15°	846.2	846.2	853.5	858.9	864.3
17.5°	797.4	799.2	808.3	815.5	820.9
20°	745.0	750.4	759.4	768.5	773.9
22.5°	694.3	698.0	710.6	721.5	726.9
25°	641.9	649.1	660.0	672.7	678.1
27.5°	591.3	598.5	609.4	622.0	631.1
30°	542.5	547.9	562.4	575.0	580.4
32.5°	493.6	500.9	515.3	528.0	535.2
35°	452.1	457.5	471.9	484.6	491.8
37.5°	410.5	415.9	430.4	441.2	446.6
40°	368.9	377.9	388.8	399.6	405.0
42.5°	334.5	341.8	352.6	361.6	367.1
45°	302.0	307.4	318.2	325.5	329.1
47.5°	271.2	276.7	287.5	291.1	292.9
50°	242.3	247.7	255.0	256.8	258.6
52.5°	215.2	218.8	226.0	226.0	224.2
55°	189.9	195.3	200.7	198.9	195.3
57.5°	166.4	168.2	177.2	173.6	170.0
60°	142.8	146.5	153.7	150.1	146.5
62.5°	119.3	123.0	132.0	128.4	123.0
65°	95.8	103.1	112.1	106.7	101.3
67.5°	72.3	81.4	90.4	85.0	81.4
70°	56.1	63.3	70.5	65.1	61.5
72.5°	43.4	47.0	50.6	47.0	43.4
75°	32.5	34.4	34.4	30.7	28.9
77.5°	23.5	25.3	21.7	18.1	18.1
80°	14.5	16.3	14.5	10.8	10.8
82.5°	7.2	9.0	7.2	7.2	7.2
85°	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)