

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: P1311712

Luminaire Tested: P3SQAS20R709050D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311712
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: P3SQAS20R709050D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

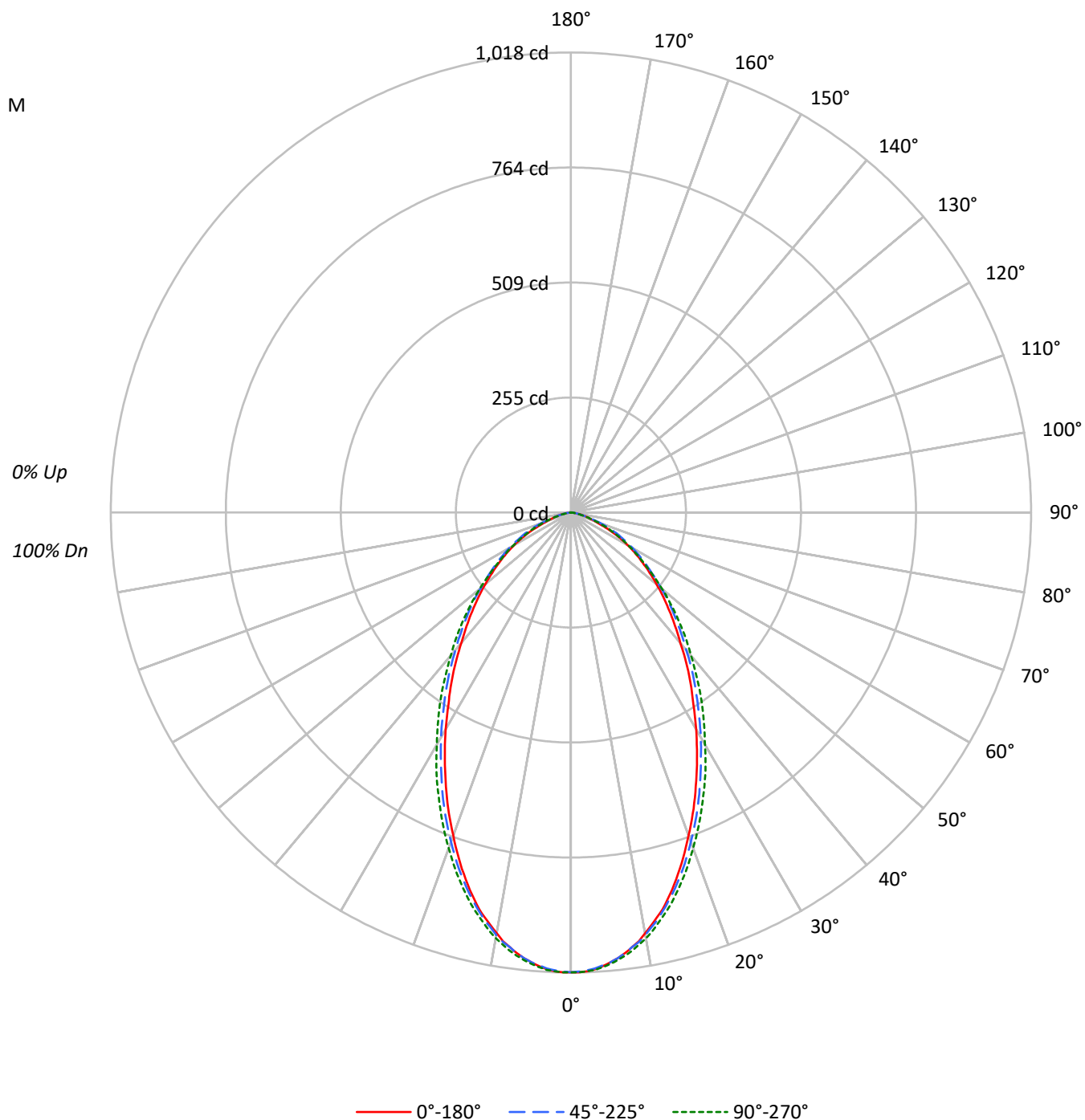
Lumens per Lamp: N/A
Luminaire Lumens: 1528.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	175254	175254	175254
5°	172742	172742	173382
10°	165366	166013	167307
15°	154103	155422	157401
20°	139454	142167	144879
25°	124581	128097	131612
30°	110191	114228	117888
35°	97070	101338	105627
40°	84712	89276	93008
45°	75114	79181	81860
50°	66313	69769	70761
55°	58221	61554	59902
60°	50255	54078	51529
65°	39896	46660	42137
70°	28853	36255	31623
75°	22092	23356	19696
80°	14679	14679	11009
85°	7311	7311	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 81860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	6.1
10°-20°	243.6	15.9
20°-30°	309.4	20.3
30°-40°	301.0	19.7
40°-50°	250.3	16.4
50°-60°	180.5	11.8
60°-70°	106.2	7.0
70°-80°	37.6	2.5
80°-90°	5.5	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°	646.8	42.3
0°-40°	947.8	62.0
0°-60°	1378.7	90.2
0°-90°	1528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	999	997	999	999	1003	94
15°	864	864	872	877	883	241
25°	656	663	674	687	693	301
35°	462	467	482	495	502	288
45°	308	314	325	332	336	239
55°	194	200	205	203	200	174
65°	98	105	114	109	103	98
75°	33	35	35	31	30	36
85°	4	4	4	4	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.6	1017.6	1017.6	1017.6	1017.6
1°	1017.6	1015.8	1015.8	1015.8	1017.6
2°	1015.8	1013.9	1013.9	1013.9	1015.8
3°	1012.1	1010.2	1010.2	1010.2	1013.9
4°	1006.5	1002.9	1004.7	1004.7	1008.4
5°	999.2	997.3	999.2	999.2	1002.9
6°	991.8	989.9	991.8	991.8	995.5
7°	982.5	980.7	982.5	984.4	988.1
8°	971.5	969.6	971.5	973.3	978.8
9°	960.4	958.5	962.2	964.1	967.8
10°	945.6	945.6	949.3	951.1	956.7
11°	930.8	930.8	934.5	938.2	943.8
12°	916.1	916.1	921.6	925.3	929.0
13°	901.3	899.4	905.0	908.7	914.2
14°	882.8	881.0	888.3	893.9	899.4
15°	864.3	864.3	871.7	877.3	882.8
17.5°	814.5	816.3	825.6	832.9	838.5
20°	760.9	766.5	775.7	784.9	790.5
22.5°	709.2	712.9	725.8	736.9	742.4
25°	655.6	663.0	674.1	687.0	692.6
27.5°	603.9	611.3	622.4	635.3	644.6
30°	554.1	559.6	574.4	587.3	592.8
32.5°	504.2	511.6	526.4	539.3	546.7
35°	461.7	467.3	482.0	495.0	502.4
37.5°	419.2	424.8	439.6	450.6	456.2
40°	376.8	386.0	397.1	408.2	413.7
42.5°	341.7	349.1	360.1	369.4	374.9
45°	308.4	314.0	325.1	332.4	336.1
47.5°	277.0	282.6	293.7	297.3	299.2
50°	247.5	253.0	260.4	262.3	264.1
52.5°	219.8	223.5	230.9	230.9	229.0
55°	193.9	199.5	205.0	203.2	199.5
57.5°	169.9	171.8	181.0	177.3	173.6
60°	145.9	149.6	157.0	153.3	149.6
62.5°	121.9	125.6	134.8	131.1	125.6
65°	97.9	105.3	114.5	109.0	103.4
67.5°	73.9	83.1	92.3	86.8	83.1
70°	57.3	64.6	72.0	66.5	62.8
72.5°	44.3	48.0	51.7	48.0	44.3
75°	33.2	35.1	35.1	31.4	29.6
77.5°	24.0	25.9	22.2	18.5	18.5
80°	14.8	16.6	14.8	11.1	11.1
82.5°	7.4	9.2	7.4	7.4	7.4
85°	3.7	3.7	3.7	3.7	3.7
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)