

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: P1313140

Luminaire Tested: P3SQAS05R509730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R509730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

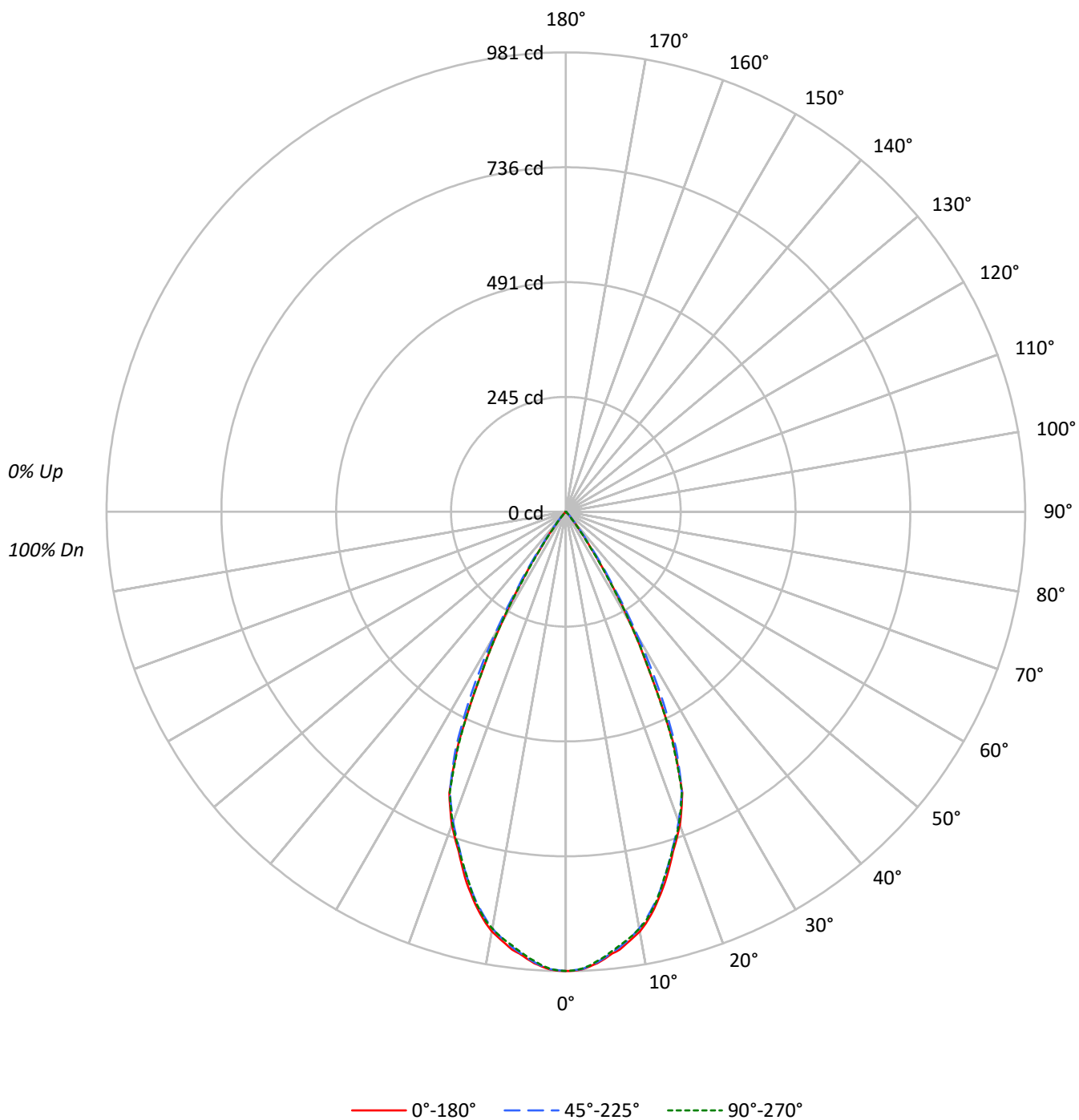
Lumens per Lamp: N/A
Luminaire Lumens: 631.9 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	74	71	87	79	74	71	78	73	70		77	73	70		76
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168899	168899	168899
5°	165585	165274	164807
10°	159105	158004	158091
15°	146062	144707	144546
20°	130492	129081	129741
25°	102557	105541	101702
30°	54867	61469	55046
35°	17913	20940	16883
40°	4429	5553	4227
45°	536	1973	536
50°	348	589	348
55°	390	390	390
60°	310	310	310
65°	367	367	367
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1973 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	14.2
10°-20°	226.8	35.9
20°-30°	238.5	37.8
30°-40°	68.7	10.9
40°-50°	5.6	0.9
50°-60°	1.2	0.2
60°-70°	0.9	0.1
70°-80°	0.4	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°	555.0	87.8
0°-40°	623.7	98.7
0°-60°	630.5	99.8
0°-90°	631.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	631.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	958	957	956	957	953	90
15°	819	814	812	812	811	228
25°	540	553	555	549	535	234
35°	85	88	100	85	80	66
45°	2	4	8	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.7	980.7	980.7	980.7	980.7
1°	980.2	981.1	979.3	982.5	979.8
2°	978.0	978.4	977.6	979.8	976.2
3°	972.6	973.5	971.7	973.5	970.4
4°	966.3	966.3	964.5	965.9	961.8
5°	957.8	957.4	956.0	956.9	953.3
6°	948.8	948.4	946.1	946.1	943.5
7°	942.1	939.0	937.2	936.7	934.0
8°	931.3	930.4	926.9	926.9	925.1
9°	920.6	919.7	915.6	916.5	915.2
10°	909.8	906.7	903.5	904.0	904.0
11°	895.5	892.8	888.3	890.1	891.0
12°	878.4	875.3	871.2	874.8	874.4
13°	859.6	856.9	853.7	856.4	855.5
14°	839.8	835.8	833.1	834.9	834.0
15°	819.2	813.8	811.6	811.6	810.7
17.5°	761.3	758.2	755.9	754.6	757.7
20°	712.0	709.3	704.3	705.7	707.9
22.5°	650.1	649.6	646.9	644.7	647.4
25°	539.7	553.2	555.4	549.1	535.2
27.5°	392.1	423.5	434.7	419.9	394.3
30°	275.9	290.7	309.1	279.9	276.8
32.5°	166.4	170.5	187.5	167.3	162.9
35°	85.2	88.4	99.6	85.2	80.3
37.5°	39.9	41.7	46.2	39.9	37.2
40°	19.7	22.0	24.7	20.6	18.8
42.5°	8.5	11.2	14.4	10.8	7.6
45°	2.2	4.5	8.1	4.5	2.2
47.5°	1.3	1.8	4.5	1.8	1.3
50°	1.3	1.3	2.2	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	0.9	1.3	0.9	1.3	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	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



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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)