

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: P1305677

Luminaire Tested: P3SQAS05R709024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709024DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

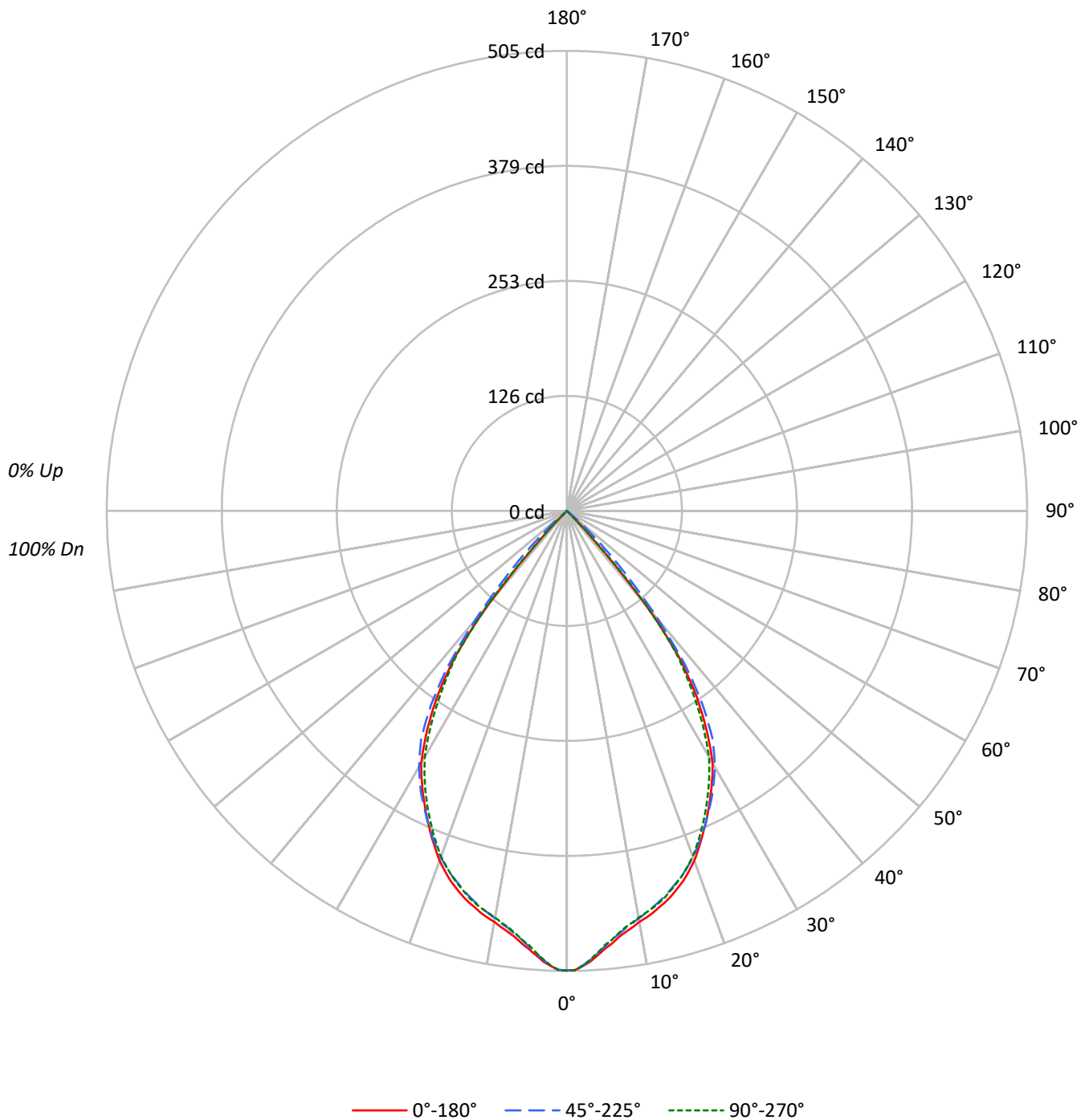
Lumens per Lamp: N/A
Luminaire Lumens: 522.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86904	86904	86904
5°	83415	82948	82723
10°	80130	79430	79290
15°	78237	77132	77292
20°	74923	74190	74025
25°	69531	69702	68619
30°	63637	64532	62066
35°	52057	54580	50017
40°	29969	34937	30755
45°	438	14516	1510
50°	0	1527	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	8.6
10°-20°	122.0	23.4
20°-30°	167.6	32.1
30°-40°	151.9	29.1
40°-50°	35.3	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	334.6	64.1
0°-40°	486.5	93.2
0°-60°	522.0	100.0
0°-90°	522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	482	481	480	479	478	45
15°	439	436	433	433	434	123
25°	366	368	367	363	361	168
35°	248	251	260	248	238	149
45°	2	20	60	26	6	21
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	504.6	504.6	504.6	504.6	504.6
1°	504.1	503.2	503.7	504.1	504.6
2°	500.1	499.3	499.3	499.7	499.7
3°	495.3	493.5	493.5	493.1	493.1
4°	488.7	487.3	486.5	486.0	486.0
5°	482.5	481.2	479.8	479.0	478.5
6°	477.2	475.0	473.2	472.8	473.2
7°	471.0	469.7	467.9	466.6	467.0
8°	466.6	464.8	462.6	461.7	461.7
9°	462.6	460.9	458.6	456.9	457.8
10°	458.2	456.4	454.2	452.9	453.4
11°	455.1	452.9	450.3	449.4	449.8
12°	451.6	448.9	446.3	445.8	446.7
13°	447.2	444.5	441.9	441.9	442.8
14°	443.2	440.1	437.5	437.5	438.8
15°	438.8	435.7	432.6	432.6	433.5
17.5°	425.5	422.9	419.8	419.8	420.2
20°	408.8	407.4	404.8	403.5	403.9
22.5°	387.6	387.6	386.3	384.0	383.2
25°	365.9	367.7	366.8	363.3	361.1
27.5°	343.4	346.5	347.0	341.7	337.7
30°	320.0	322.7	324.5	318.3	312.1
32.5°	285.6	293.6	298.0	289.6	276.8
35°	247.6	251.2	259.6	248.5	237.9
37.5°	201.3	205.7	212.8	203.9	197.8
40°	133.3	151.0	155.4	151.0	136.8
42.5°	48.1	84.8	102.0	86.5	56.5
45°	1.8	19.9	59.6	25.6	6.2
47.5°	0.0	0.4	26.9	0.9	0.0
50°	0.0	0.0	5.7	0.0	0.0
52.5°	0.0	0.0	0.4	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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



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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)