

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: P1316326

Luminaire Tested: P3SQAS13R709827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316326
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: P3SQAS13R709827DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

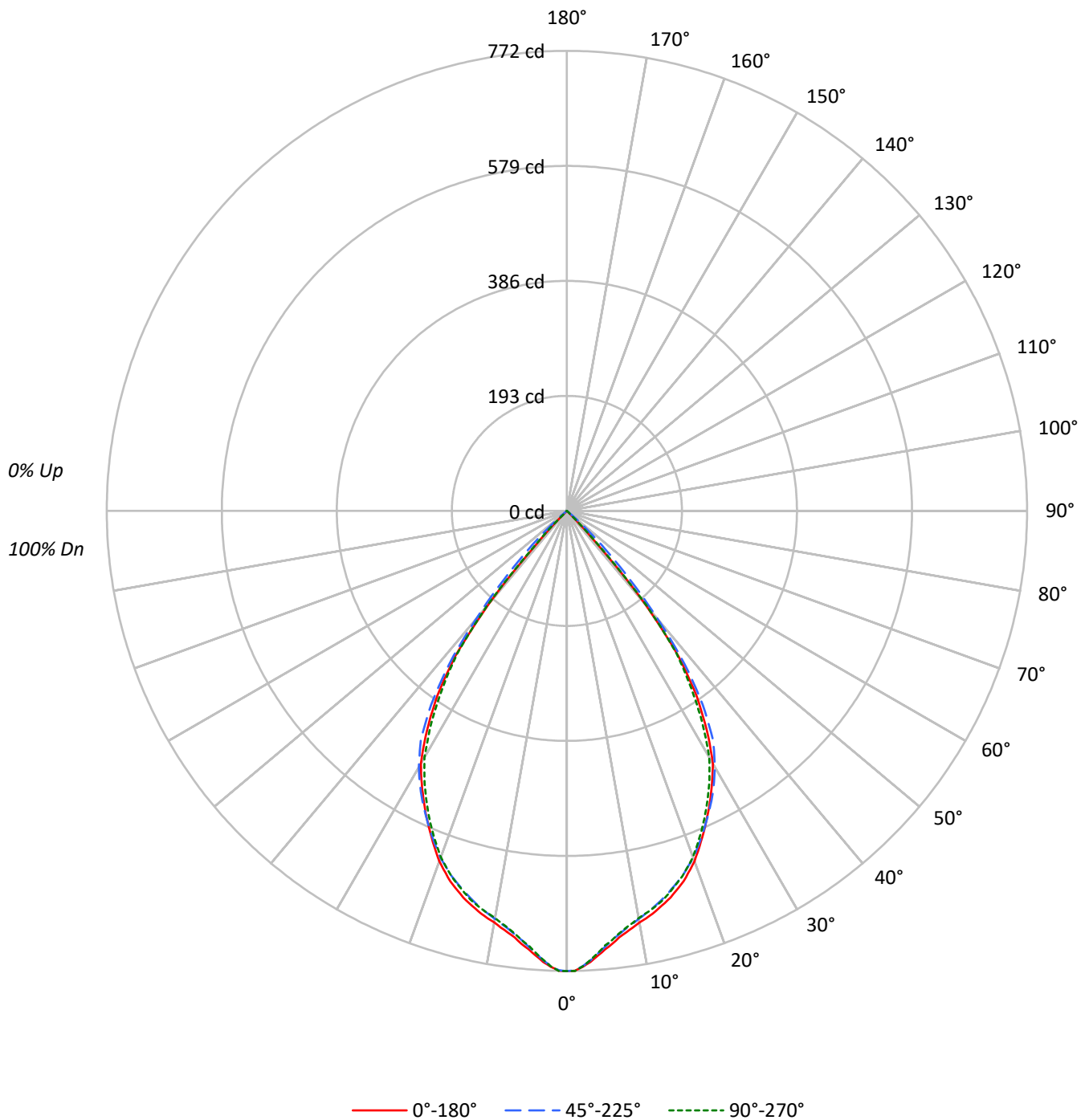
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	133008	133008	133008
5°	127672	126981	126618
10°	122660	121594	121349
15°	119745	118069	118301
20°	114675	113558	113301
25°	106434	106700	105028
30°	97424	98757	94998
35°	79704	83530	76571
40°	45886	53462	47100
45°	658	22213	2314
50°	0	2358	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: 22213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	8.6
10°-20°	186.7	23.4
20°-30°	256.5	32.1
30°-40°	232.6	29.1
40°-50°	54.1	6.8
50°-60°	0.3	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°	512.1	64.1
0°-40°	744.7	93.2
0°-60°	799.0	100.0
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	738	736	734	733	732	69
15°	672	667	662	662	664	188
25°	560	563	562	556	553	257
35°	379	384	397	380	364	228
45°	3	30	91	39	10	33
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°	772.3	772.3	772.3	772.3	772.3
1°	771.6	770.3	771.0	771.6	772.3
2°	765.5	764.2	764.2	764.9	764.9
3°	758.1	755.4	755.4	754.7	754.7
4°	748.0	746.0	744.6	743.9	743.9
5°	738.5	736.5	734.5	733.1	732.4
6°	730.4	727.0	724.3	723.7	724.3
7°	721.0	718.9	716.2	714.2	714.9
8°	714.2	711.5	708.1	706.8	706.8
9°	708.1	705.4	702.0	699.3	700.7
10°	701.4	698.7	695.3	693.2	693.9
11°	696.6	693.2	689.2	687.8	688.5
12°	691.2	687.2	683.1	682.4	683.8
13°	684.5	680.4	676.4	676.4	677.7
14°	678.4	673.7	669.6	669.6	671.6
15°	671.6	666.9	662.2	662.2	663.5
17.5°	651.4	647.3	642.6	642.6	643.2
20°	625.7	623.7	619.6	617.6	618.2
22.5°	593.2	593.2	591.2	587.8	586.5
25°	560.1	562.8	561.5	556.1	552.7
27.5°	525.7	530.4	531.1	523.0	516.9
30°	489.9	493.9	496.6	487.2	477.7
32.5°	437.2	449.3	456.1	443.2	423.7
35°	379.1	384.5	397.3	380.4	364.2
37.5°	308.1	314.9	325.7	312.2	302.7
40°	204.1	231.1	237.8	231.1	209.5
42.5°	73.6	129.7	156.1	132.4	86.5
45°	2.7	30.4	91.2	39.2	9.5
47.5°	0.0	0.7	41.2	1.4	0.0
50°	0.0	0.0	8.8	0.0	0.0
52.5°	0.0	0.0	0.7	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)