

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: P1312523

Luminaire Tested: P3SQAS13R709727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312523
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: P3SQAS13R709727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

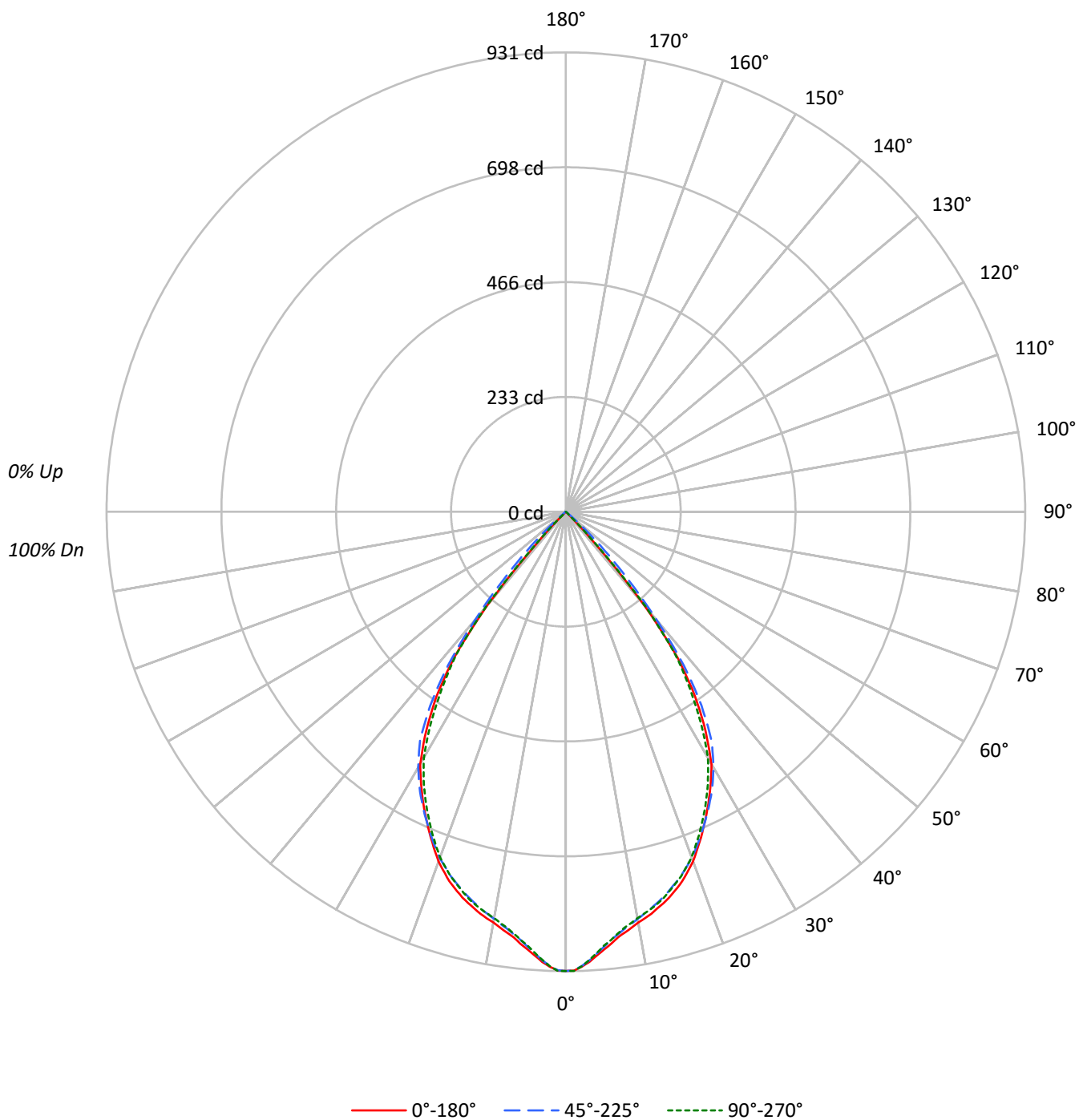
Lumens per Lamp: N/A
Luminaire Lumens: 963.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	160305	160305	160305
5°	153881	153034	152619
10°	147826	146549	146269
15°	144332	142300	142585
20°	138208	136870	136559
25°	128287	128591	126596
30°	117410	119041	114507
35°	96061	100665	92277
40°	55283	64456	56767
45°	804	26767	2777
50°	0	2840	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: 26767 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	8.6
10°-20°	225.0	23.4
20°-30°	309.1	32.1
30°-40°	280.3	29.1
40°-50°	65.1	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°	617.2	64.1
0°-40°	897.5	93.2
0°-60°	963.0	100.0
0°-90°	963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	890	888	885	884	883	84
15°	810	804	798	798	800	227
25°	675	678	677	670	666	310
35°	457	463	479	458	439	274
45°	3	37	110	47	11	39
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°	930.8	930.8	930.8	930.8	930.8
1°	930.0	928.4	929.2	930.0	930.8
2°	922.7	921.1	921.1	921.9	921.9
3°	913.7	910.5	910.5	909.6	909.6
4°	901.5	899.1	897.4	896.6	896.6
5°	890.1	887.7	885.2	883.6	882.8
6°	880.3	876.3	873.0	872.2	873.0
7°	868.9	866.5	863.2	860.8	861.6
8°	860.8	857.5	853.5	851.8	851.8
9°	853.5	850.2	846.1	842.9	844.5
10°	845.3	842.1	838.0	835.5	836.4
11°	839.6	835.5	830.7	829.0	829.8
12°	833.1	828.2	823.3	822.5	824.1
13°	825.0	820.1	815.2	815.2	816.8
14°	817.6	811.9	807.0	807.0	809.5
15°	809.5	803.8	798.1	798.1	799.7
17.5°	785.1	780.2	774.5	774.5	775.3
20°	754.1	751.7	746.8	744.3	745.1
22.5°	715.0	715.0	712.6	708.5	706.9
25°	675.1	678.4	676.7	670.2	666.2
27.5°	633.6	639.3	640.1	630.3	623.0
30°	590.4	595.3	598.6	587.2	575.8
32.5°	526.9	541.6	549.7	534.2	510.6
35°	456.9	463.4	478.8	458.5	438.9
37.5°	371.4	379.5	392.5	376.2	364.8
40°	245.9	278.5	286.7	278.5	252.5
42.5°	88.8	156.4	188.1	159.6	104.2
45°	3.3	36.6	109.9	47.2	11.4
47.5°	0.0	0.8	49.7	1.6	0.0
50°	0.0	0.0	10.6	0.0	0.0
52.5°	0.0	0.0	0.8	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)