

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: P1314946

Luminaire Tested: P3SQAS02R709740DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314946
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: P3SQAS02R709740DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

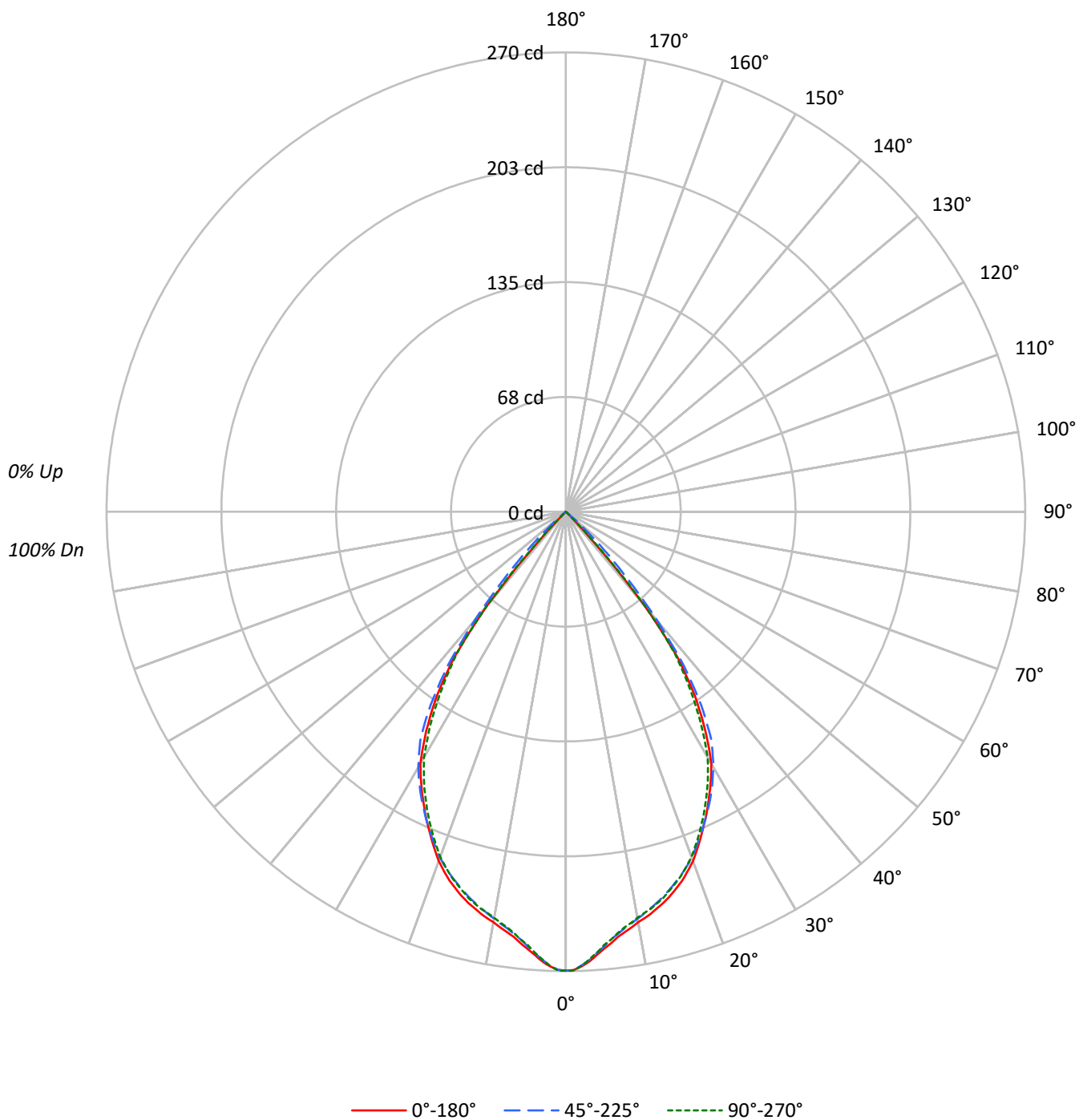
Lumens per Lamp: N/A
Luminaire Lumens: 279.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°	46448	46448	46448
5°	44586	44344	44223
10°	42828	42461	42373
15°	41811	41222	41312
20°	40046	39661	39569
25°	37169	37264	36675
30°	34026	34483	33171
35°	27836	29161	26743
40°	16030	18683	16434
45°	219	7770	804
50°	0	831	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: 7770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	8.6
10°-20°	65.2	23.4
20°-30°	89.6	32.1
30°-40°	81.2	29.1
40°-50°	18.9	6.8
50°-60°	0.1	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°	178.8	64.1
0°-40°	260.0	93.2
0°-60°	279.0	100.0
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	270	270	270	270	270	
5°	258	257	256	256	256	24
15°	234	233	231	231	232	66
25°	196	196	196	194	193	90
35°	132	134	139	133	127	80
45°	1	11	32	14	3	11
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°	269.7	269.7	269.7	269.7	269.7
1°	269.4	269.0	269.2	269.4	269.7
2°	267.3	266.8	266.8	267.1	267.1
3°	264.7	263.8	263.8	263.5	263.5
4°	261.2	260.5	260.0	259.8	259.8
5°	257.9	257.2	256.5	256.0	255.8
6°	255.0	253.9	252.9	252.7	252.9
7°	251.7	251.0	250.1	249.4	249.6
8°	249.4	248.4	247.3	246.8	246.8
9°	247.3	246.3	245.1	244.2	244.7
10°	244.9	244.0	242.8	242.1	242.3
11°	243.3	242.1	240.7	240.2	240.4
12°	241.4	239.9	238.5	238.3	238.8
13°	239.0	237.6	236.2	236.2	236.6
14°	236.9	235.2	233.8	233.8	234.5
15°	234.5	232.9	231.2	231.2	231.7
17.5°	227.4	226.0	224.4	224.4	224.6
20°	218.5	217.8	216.4	215.6	215.9
22.5°	207.2	207.2	206.4	205.3	204.8
25°	195.6	196.5	196.1	194.2	193.0
27.5°	183.6	185.2	185.4	182.6	180.5
30°	171.1	172.5	173.4	170.1	166.8
32.5°	152.7	156.9	159.3	154.8	147.9
35°	132.4	134.2	138.7	132.8	127.2
37.5°	107.6	109.9	113.7	109.0	105.7
40°	71.3	80.7	83.1	80.7	73.1
42.5°	25.7	45.3	54.5	46.2	30.2
45°	0.9	10.6	31.9	13.7	3.3
47.5°	0.0	0.2	14.4	0.5	0.0
50°	0.0	0.0	3.1	0.0	0.0
52.5°	0.0	0.0	0.2	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)