

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: P1317640

Luminaire Tested: P3SQAS02R709835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317640
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: P3SQAS02R709835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

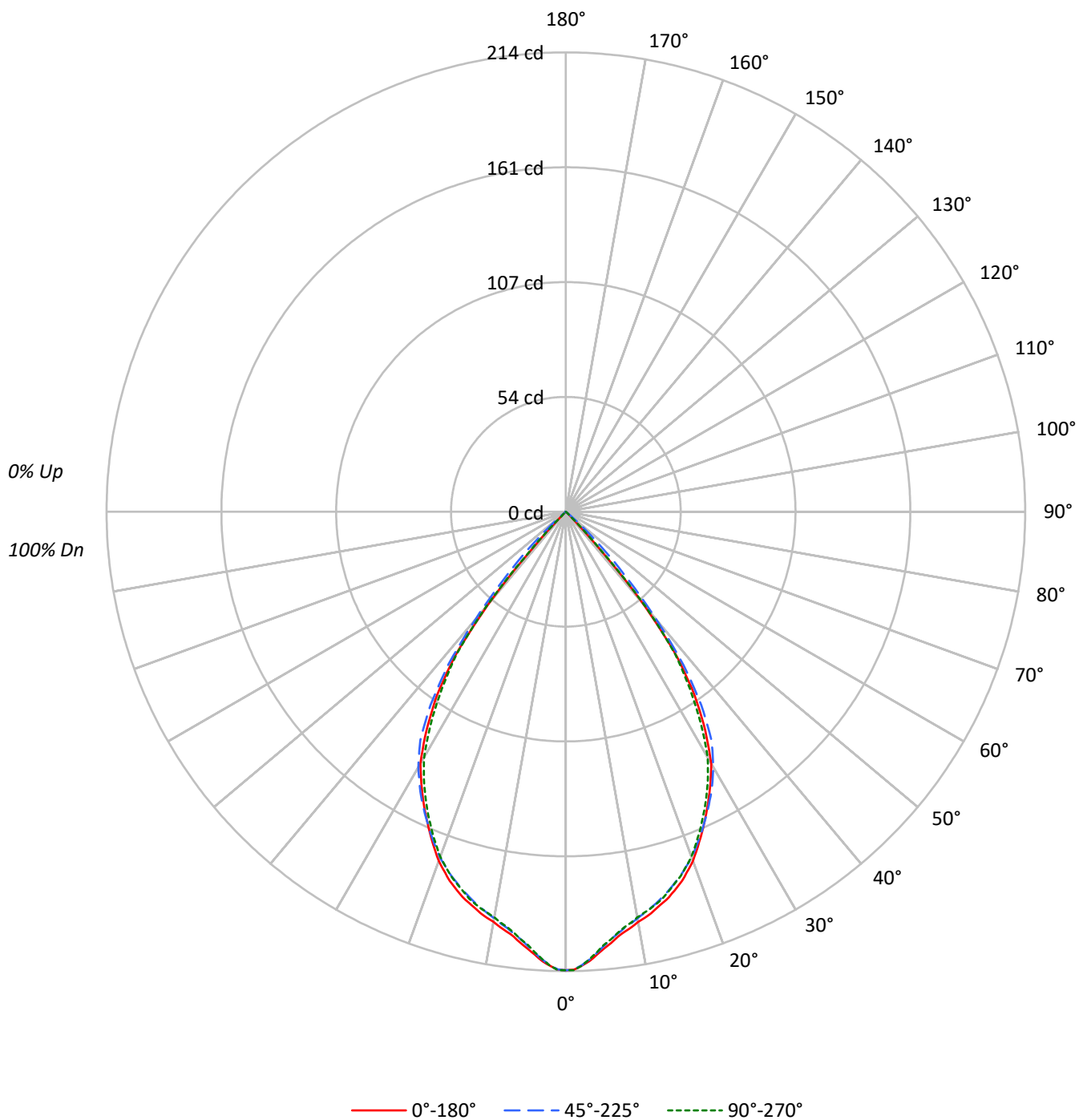
Lumens per Lamp: N/A
Luminaire Lumens: 221.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	36787	36787	36787
5°	35319	35112	35026
10°	33927	33629	33559
15°	33128	32664	32718
20°	31725	31413	31340
25°	29435	29511	29055
30°	26946	27324	26270
35°	22034	23106	21172
40°	12680	14793	13017
45°	170	6138	633
50°	0	643	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: 6138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	8.6
10°-20°	51.6	23.4
20°-30°	70.9	32.1
30°-40°	64.3	29.1
40°-50°	14.9	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°	141.6	64.1
0°-40°	206.0	93.2
0°-60°	221.0	100.0
0°-90°	221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	204	204	203	203	203	19
15°	186	184	183	183	184	52
25°	155	156	155	154	153	71
35°	105	106	110	105	101	63
45°	1	8	25	11	3	9
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°	213.6	213.6	213.6	213.6	213.6
1°	213.4	213.1	213.2	213.4	213.6
2°	211.7	211.4	211.4	211.6	211.6
3°	209.7	208.9	208.9	208.8	208.8
4°	206.9	206.3	206.0	205.8	205.8
5°	204.3	203.7	203.1	202.8	202.6
6°	202.0	201.1	200.3	200.2	200.3
7°	199.4	198.9	198.1	197.5	197.7
8°	197.5	196.8	195.9	195.5	195.5
9°	195.9	195.1	194.2	193.4	193.8
10°	194.0	193.2	192.3	191.7	191.9
11°	192.7	191.7	190.6	190.3	190.4
12°	191.2	190.1	188.9	188.8	189.1
13°	189.3	188.2	187.1	187.1	187.5
14°	187.6	186.3	185.2	185.2	185.8
15°	185.8	184.5	183.2	183.2	183.5
17.5°	180.2	179.0	177.7	177.7	177.9
20°	173.1	172.5	171.4	170.8	171.0
22.5°	164.1	164.1	163.5	162.6	162.2
25°	154.9	155.7	155.3	153.8	152.9
27.5°	145.4	146.7	146.9	144.7	143.0
30°	135.5	136.6	137.4	134.7	132.1
32.5°	120.9	124.3	126.2	122.6	117.2
35°	104.8	106.3	109.9	105.2	100.7
37.5°	85.2	87.1	90.1	86.3	83.7
40°	56.4	63.9	65.8	63.9	57.9
42.5°	20.4	35.9	43.2	36.6	23.9
45°	0.7	8.4	25.2	10.8	2.6
47.5°	0.0	0.2	11.4	0.4	0.0
50°	0.0	0.0	2.4	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)