

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: P1315441

Luminaire Tested: P3SQAS13R709740DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709740DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

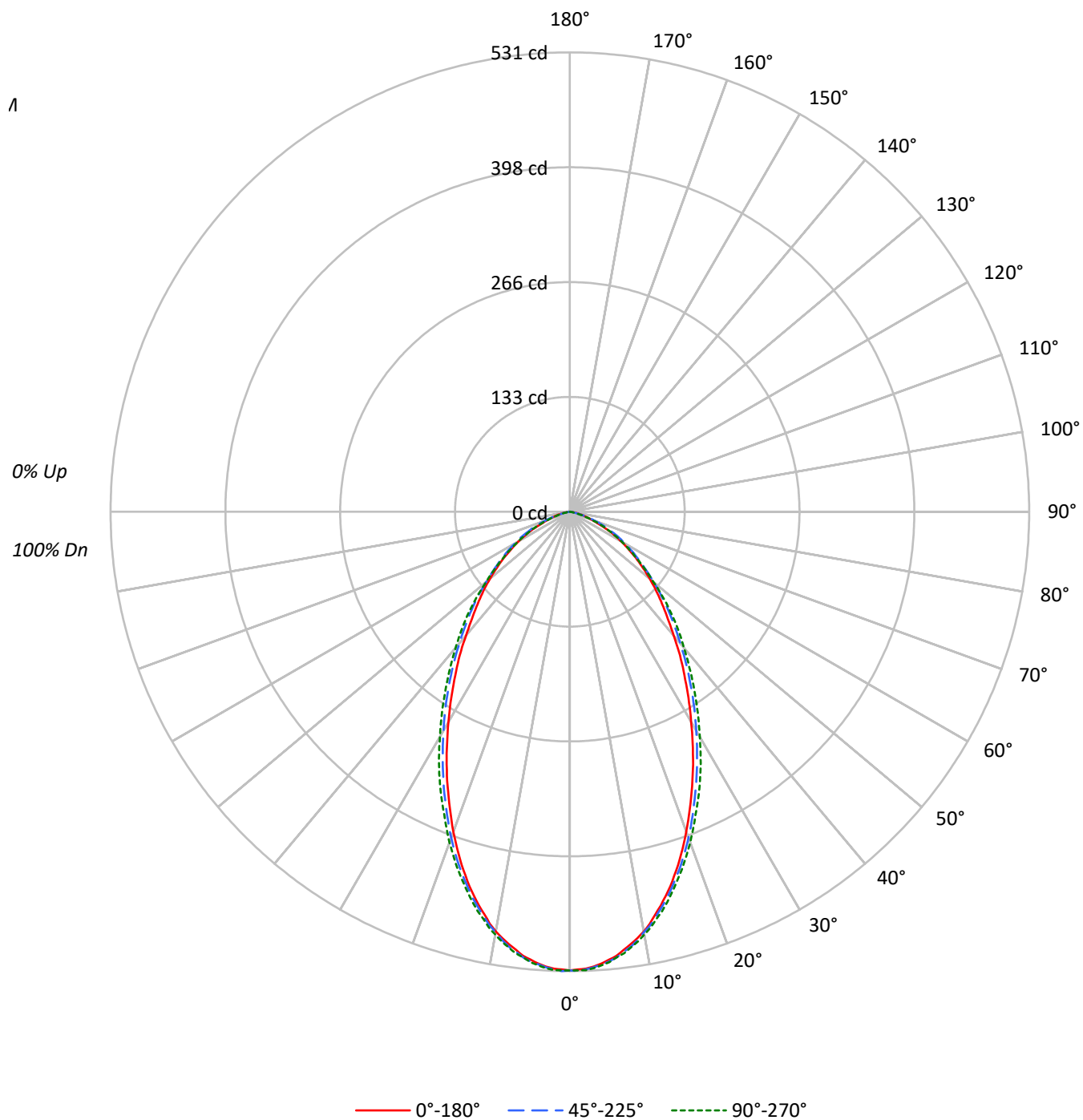
Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	91312	91312	91312
5°	89863	90192	90347
10°	86128	86303	86793
15°	79931	80591	81268
20°	72137	73530	74556
25°	63887	65673	67288
30°	55802	58049	59739
35°	48504	51090	52666
40°	41929	44672	46156
45°	36704	39213	40358
50°	32286	33813	33813
55°	27984	29396	28555
60°	23663	25317	24008
65°	18420	21109	19194
70°	13294	15660	13294
75°	10048	9382	7519
80°	6546	4661	1884
85°	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 40358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	6.4
10°-20°	126.2	16.6
20°-30°	158.4	20.9
30°-40°	151.3	19.9
40°-50°	123.0	16.2
50°-60°	86.1	11.3
60°-70°	48.6	6.4
70°-80°	15.4	2.0
80°-90°	1.2	0.2
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°	333.4	43.9
0°-40°	484.7	63.9
0°-60°	693.8	91.4
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	520	521	522	521	523	49
15°	448	449	452	453	456	125
25°	336	340	346	351	354	154
35°	231	234	243	248	250	145
45°	151	154	161	164	166	117
55°	93	94	98	96	95	83
65°	45	48	52	49	47	45
75°	15	15	14	12	11	16
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	530.2	530.2	530.2	530.2	530.2
1°	529.2	530.2	531.1	529.2	530.2
2°	528.3	529.2	529.2	528.3	530.2
3°	526.4	527.4	527.4	526.4	528.3
4°	523.6	524.5	524.5	523.6	525.5
5°	519.8	520.8	521.7	520.8	522.6
6°	516.1	517.0	517.9	517.0	517.9
7°	510.4	512.3	512.3	512.3	514.2
8°	504.8	506.6	507.6	506.6	508.5
9°	499.1	500.0	501.0	501.0	502.9
10°	492.5	493.5	493.5	494.4	496.3
11°	485.0	485.0	486.9	486.9	489.7
12°	475.6	476.5	478.4	479.3	481.2
13°	467.1	468.0	469.9	470.9	473.7
14°	457.7	459.6	461.4	462.4	465.2
15°	448.3	449.2	452.0	453.0	455.8
17.5°	421.9	422.8	427.5	429.4	432.2
20°	393.6	396.5	401.2	404.0	406.8
22.5°	364.4	367.3	372.9	377.6	379.5
25°	336.2	340.0	345.6	351.3	354.1
27.5°	307.9	311.7	318.3	323.9	327.7
30°	280.6	284.4	291.9	296.6	300.4
32.5°	255.2	259.0	267.4	272.2	275.0
35°	230.7	234.5	243.0	247.7	250.5
37.5°	209.1	212.8	220.4	225.1	227.0
40°	186.5	191.2	198.7	203.4	205.3
42.5°	167.6	171.4	178.9	182.7	185.5
45°	150.7	154.4	161.0	163.9	165.7
47.5°	135.6	137.5	143.1	144.1	146.0
50°	120.5	122.4	126.2	127.1	126.2
52.5°	106.4	108.3	111.1	110.2	110.2
55°	93.2	94.2	97.9	96.1	95.1
57.5°	80.0	81.9	85.7	82.9	81.9
60°	68.7	70.6	73.5	71.6	69.7
62.5°	57.4	58.4	63.1	59.3	57.4
65°	45.2	48.0	51.8	49.0	47.1
67.5°	33.9	38.6	42.4	38.6	36.7
70°	26.4	28.3	31.1	29.2	26.4
72.5°	19.8	20.7	21.7	19.8	17.9
75°	15.1	15.1	14.1	12.2	11.3
77.5°	10.4	10.4	8.5	5.7	5.7
80°	6.6	6.6	4.7	1.9	1.9
82.5°	2.8	2.8	1.9	0.9	0.9
85°	0.9	0.9	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)