

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: P1306977

Luminaire Tested: P3SQAS13R709027DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306977
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: P3SQAS13R709027DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

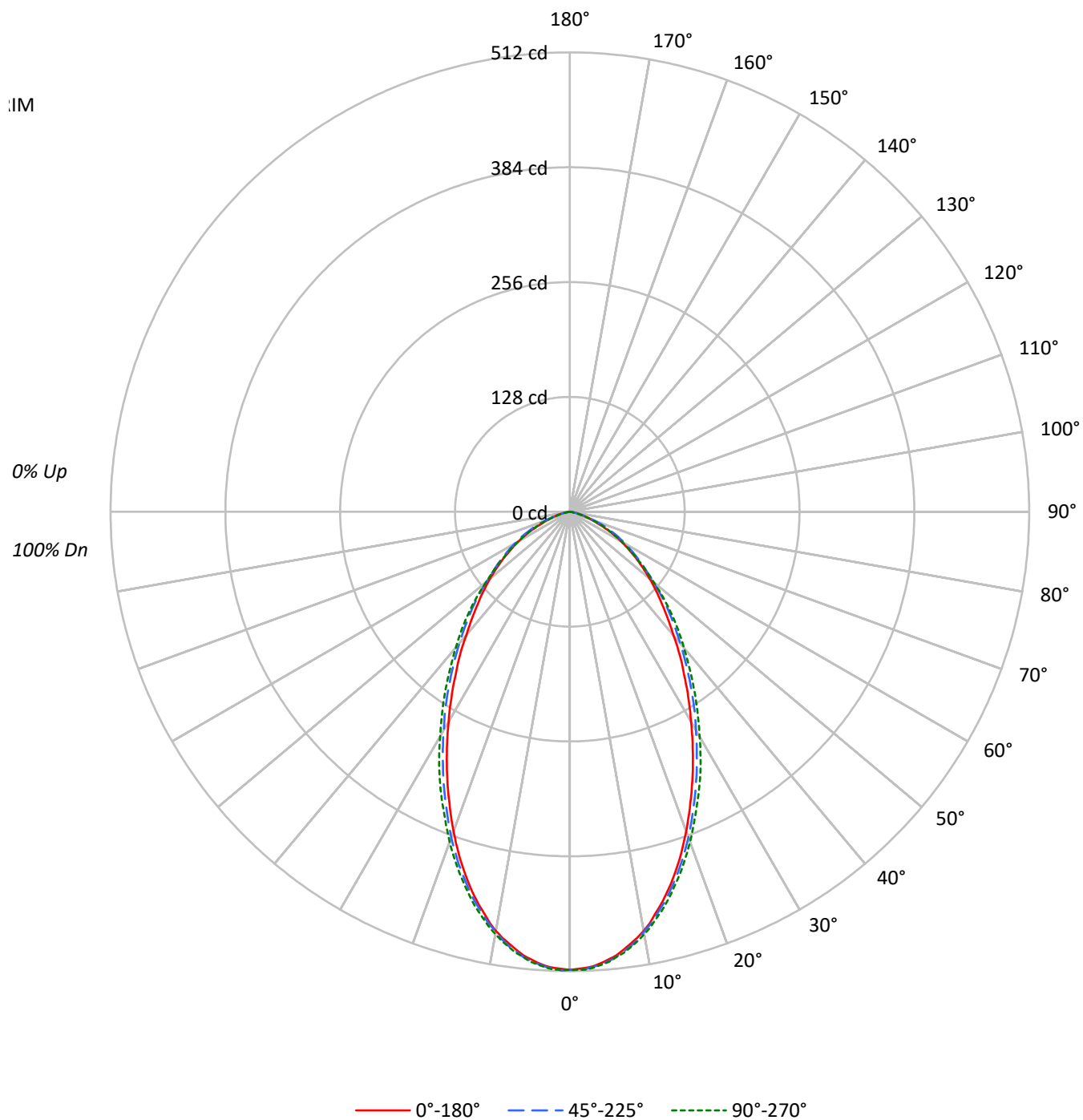
Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1306977

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306977

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MMS

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°	87937	87937	87937
5°	86544	86872	87028
10°	82945	83103	83592
15°	76971	77613	78273
20°	69480	70818	71807
25°	61531	63260	64799
30°	53753	55921	57532
35°	46716	49197	50732
40°	40378	43031	44447
45°	35340	37776	38872
50°	31107	32554	32554
55°	26963	28315	27504
60°	22802	24352	23112
65°	17727	20335	18460
70°	12790	15056	12790
75°	9649	9050	7253
80°	6248	4463	1785
85°	1778	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 38872 cd/sqm

TEST NUMBER: P1306977

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	6.4
10°-20°	121.5	16.6
20°-30°	152.5	20.9
30°-40°	145.7	19.9
40°-50°	118.5	16.2
50°-60°	82.9	11.3
60°-70°	46.8	6.4
70°-80°	14.8	2.0
80°-90°	1.1	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°	321.1	43.9
0°-40°	466.8	63.9
0°-60°	668.2	91.4
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	501	502	502	502	503	47
15°	432	433	435	436	439	120
25°	324	327	333	338	341	149
35°	222	226	234	238	241	139
45°	145	149	155	158	160	113
55°	90	91	94	92	92	80
65°	44	46	50	47	45	44
75°	14	14	14	12	11	16
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

TEST NUMBER: P1306977

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510.6	510.6	510.6	510.6	510.6
1°	509.7	510.6	511.5	509.7	510.6
2°	508.8	509.7	509.7	508.8	510.6
3°	507.0	507.9	507.9	507.0	508.8
4°	504.3	505.2	505.2	504.3	506.1
5°	500.6	501.6	502.5	501.6	503.4
6°	497.0	497.9	498.8	497.9	498.8
7°	491.6	493.4	493.4	493.4	495.2
8°	486.1	487.9	488.9	487.9	489.8
9°	480.7	481.6	482.5	482.5	484.3
10°	474.3	475.2	475.2	476.2	478.0
11°	467.1	467.1	468.9	468.9	471.6
12°	458.0	458.9	460.7	461.6	463.5
13°	449.9	450.8	452.6	453.5	456.2
14°	440.8	442.6	444.4	445.3	448.0
15°	431.7	432.6	435.3	436.3	439.0
17.5°	406.3	407.2	411.8	413.6	416.3
20°	379.1	381.8	386.4	389.1	391.8
22.5°	351.0	353.7	359.2	363.7	365.5
25°	323.8	327.4	332.9	338.3	341.0
27.5°	296.6	300.2	306.6	312.0	315.6
30°	270.3	273.9	281.2	285.7	289.3
32.5°	245.8	249.4	257.6	262.1	264.8
35°	222.2	225.8	234.0	238.5	241.3
37.5°	201.3	205.0	212.2	216.8	218.6
40°	179.6	184.1	191.4	195.9	197.7
42.5°	161.4	165.1	172.3	176.0	178.7
45°	145.1	148.7	155.1	157.8	159.6
47.5°	130.6	132.4	137.9	138.8	140.6
50°	116.1	117.9	121.5	122.4	121.5
52.5°	102.5	104.3	107.0	106.1	106.1
55°	89.8	90.7	94.3	92.5	91.6
57.5°	77.1	78.9	82.5	79.8	78.9
60°	66.2	68.0	70.7	68.9	67.1
62.5°	55.3	56.2	60.8	57.1	55.3
65°	43.5	46.3	49.9	47.2	45.3
67.5°	32.7	37.2	40.8	37.2	35.4
70°	25.4	27.2	29.9	28.1	25.4
72.5°	19.0	20.0	20.9	19.0	17.2
75°	14.5	14.5	13.6	11.8	10.9
77.5°	10.0	10.0	8.2	5.4	5.4
80°	6.3	6.3	4.5	1.8	1.8
82.5°	2.7	2.7	1.8	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



TEST NUMBER: P1306977

CATALOG NUMBER: P3SQAS13R709027DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)