

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: P1306004

Luminaire Tested: P3SQASS13R709024DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306004  
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: P3SQASS13R709024DE010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

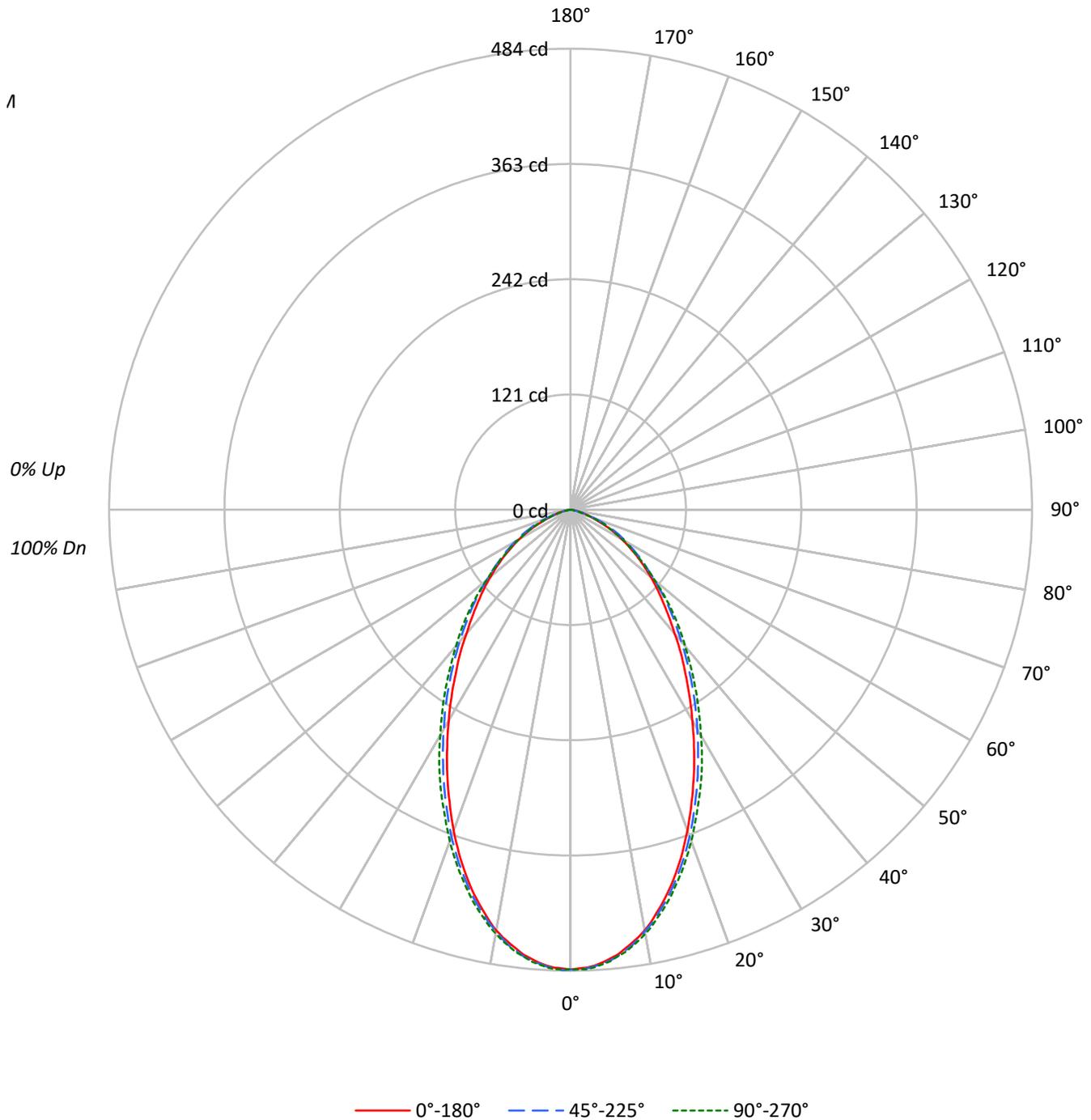
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 691.0 lumens  
Efficiency: N/A  
Efficacy: 47.3 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: P1306004  
CATALOG NUMBER: P3SQASS13R709024DE010 E3SQCLDWW1MB

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	83132	83132	83132
5°	81807	82118	82257
10°	78416	78556	79011
15°	72763	73370	73994
20°	65686	66932	67885
25°	58167	59782	61265
30°	50810	52858	54390
35°	44151	46506	47957
40°	38175	40670	42019
45°	33416	35706	36753
50°	29392	30785	30785
55°	25492	26783	26003
60°	21562	23043	21838
65°	16790	19235	17482
70°	12085	14250	12085
75°	9116	8584	6854
80°	5951	4265	1686
85°	1778	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 36753 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.5	6.4
10°-20°	114.9	16.6
20°-30°	144.2	20.9
30°-40°	137.7	19.9
40°-50°	112.0	16.2
50°-60°	78.4	11.3
60°-70°	44.3	6.4
70°-80°	14.0	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°	303.6	43.9
0°-40°	441.3	63.9
0°-60°	631.6	91.4
0°-90°	691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	483	483	483	483	483	
5°	473	474	475	474	476	44
15°	408	409	412	412	415	114
25°	306	310	315	320	322	140
35°	210	214	221	226	228	132
45°	137	141	147	149	151	106
55°	85	86	89	87	87	76
65°	41	44	47	45	43	41
75°	14	14	13	11	10	15
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°	482.7	482.7	482.7	482.7	482.7
1°	481.8	482.7	483.5	481.8	482.7
2°	481.0	481.8	481.8	481.0	482.7
3°	479.3	480.1	480.1	479.3	481.0
4°	476.7	477.5	477.5	476.7	478.4
5°	473.2	474.1	475.0	474.1	475.8
6°	469.8	470.7	471.5	470.7	471.5
7°	464.7	466.4	466.4	466.4	468.1
8°	459.5	461.2	462.1	461.2	463.0
9°	454.4	455.2	456.1	456.1	457.8
10°	448.4	449.2	449.2	450.1	451.8
11°	441.5	441.5	443.2	443.2	445.8
12°	433.0	433.8	435.5	436.4	438.1
13°	425.2	426.1	427.8	428.7	431.2
14°	416.7	418.4	420.1	421.0	423.5
15°	408.1	408.9	411.5	412.4	415.0
17.5°	384.1	384.9	389.2	390.9	393.5
20°	358.4	360.9	365.2	367.8	370.4
22.5°	331.8	334.4	339.5	343.8	345.5
25°	306.1	309.5	314.6	319.8	322.4
27.5°	280.3	283.8	289.8	294.9	298.4
30°	255.5	258.9	265.8	270.1	273.5
32.5°	232.3	235.8	243.5	247.8	250.3
35°	210.0	213.5	221.2	225.5	228.1
37.5°	190.3	193.8	200.6	204.9	206.6
40°	169.8	174.0	180.9	185.2	186.9
42.5°	152.6	156.0	162.9	166.3	168.9
45°	137.2	140.6	146.6	149.2	150.9
47.5°	123.5	125.2	130.3	131.2	132.9
50°	109.7	111.5	114.9	115.7	114.9
52.5°	96.9	98.6	101.2	100.3	100.3
55°	84.9	85.7	89.2	87.4	86.6
57.5°	72.9	74.6	78.0	75.4	74.6
60°	62.6	64.3	66.9	65.2	63.4
62.5°	52.3	53.2	57.4	54.0	52.3
65°	41.2	43.7	47.2	44.6	42.9
67.5°	30.9	35.2	38.6	35.2	33.4
70°	24.0	25.7	28.3	26.6	24.0
72.5°	18.0	18.9	19.7	18.0	16.3
75°	13.7	13.7	12.9	11.1	10.3
77.5°	9.4	9.4	7.7	5.1	5.1
80°	6.0	6.0	4.3	1.7	1.7
82.5°	2.6	2.6	1.7	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: P1306004  
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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)