

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: P1305513

Luminaire Tested: P3SQASS02R709024DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R709024DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

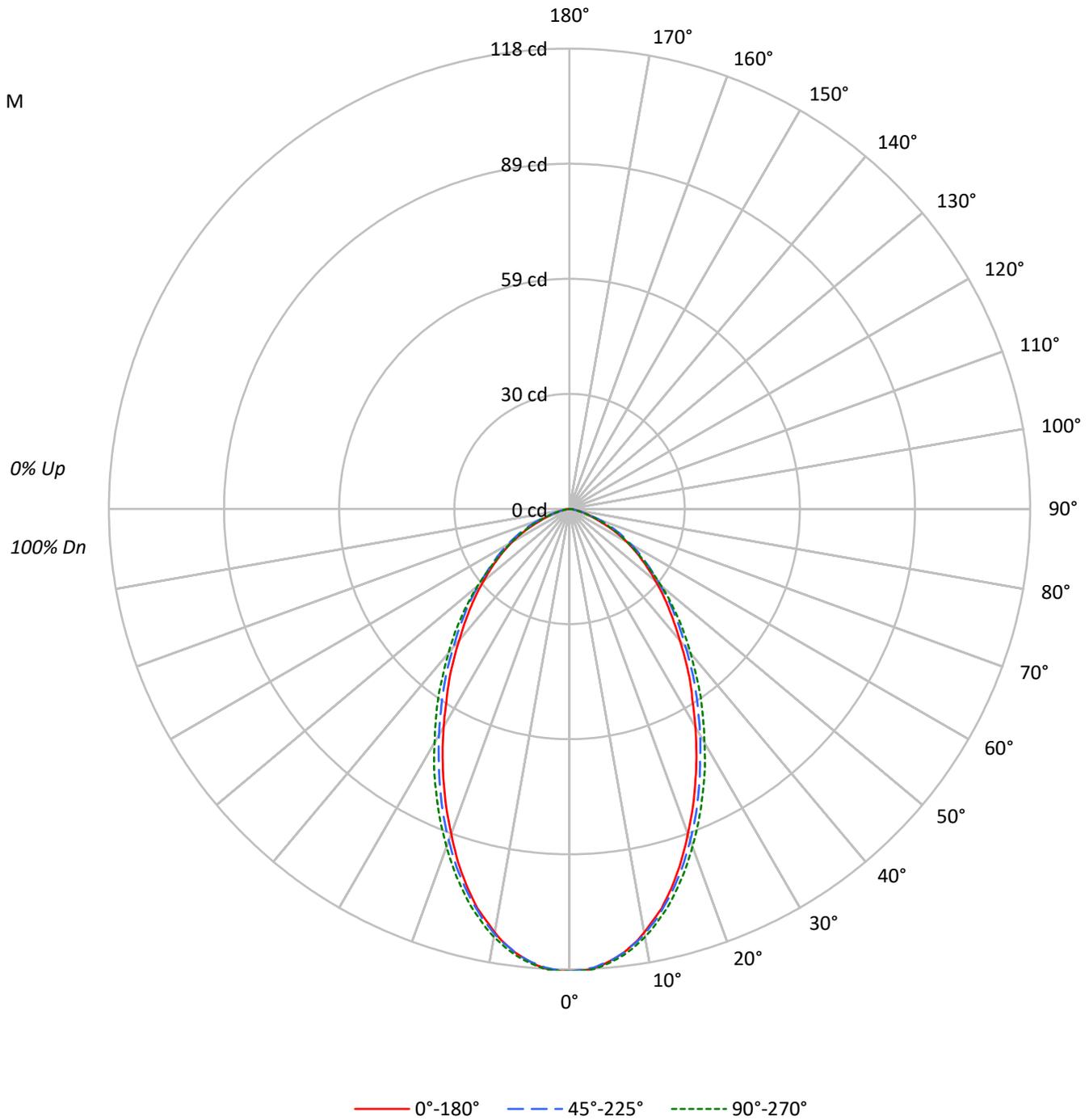
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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			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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20408	20408	20408
5°	20123	20123	20192
10°	19272	19342	19482
15°	17955	18097	18329
20°	16238	16568	16880
25°	14518	14917	15335
30°	12827	13304	13742
35°	11311	11816	12299
40°	9870	10409	10836
45°	8744	9231	9548
50°	7716	8118	8252
55°	6786	7176	6966
60°	5856	6303	5993
65°	4646	5420	4890
70°	3374	4230	3676
75°	2595	2728	2262
80°	1686	1686	1289
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9548 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	6.1
10°-20°	28.4	15.9
20°-30°	36.0	20.2
30°-40°	35.1	19.7
40°-50°	29.2	16.4
50°-60°	21.0	11.8
60°-70°	12.4	7.0
70°-80°	4.4	2.5
80°-90°	0.6	0.4
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°	75.3	42.3
0°-40°	110.4	62.0
0°-60°	160.6	90.2
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	118	118	118	118	118	
5°	116	116	116	116	117	11
15°	101	101	102	102	103	28
25°	76	77	78	80	81	35
35°	54	54	56	58	58	34
45°	36	37	38	39	39	28
55°	23	23	24	24	23	20
65°	11	12	13	13	12	11
75°	4	4	4	4	3	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	118.5	118.5	118.5	118.5	118.5
1°	118.5	118.3	118.3	118.3	118.5
2°	118.3	118.1	118.1	118.1	118.3
3°	117.9	117.7	117.7	117.7	118.1
4°	117.3	116.8	117.0	117.0	117.5
5°	116.4	116.2	116.4	116.4	116.8
6°	115.5	115.3	115.5	115.5	116.0
7°	114.5	114.2	114.5	114.7	115.1
8°	113.2	113.0	113.2	113.4	114.0
9°	111.9	111.7	112.1	112.3	112.7
10°	110.2	110.2	110.6	110.8	111.4
11°	108.4	108.4	108.9	109.3	109.9
12°	106.7	106.7	107.4	107.8	108.2
13°	105.0	104.8	105.4	105.9	106.5
14°	102.8	102.6	103.5	104.1	104.8
15°	100.7	100.7	101.5	102.2	102.8
17.5°	94.9	95.1	96.2	97.0	97.7
20°	88.6	89.3	90.4	91.4	92.1
22.5°	82.6	83.0	84.6	85.8	86.5
25°	76.4	77.2	78.5	80.0	80.7
27.5°	70.4	71.2	72.5	74.0	75.1
30°	64.5	65.2	66.9	68.4	69.1
32.5°	58.7	59.6	61.3	62.8	63.7
35°	53.8	54.4	56.2	57.7	58.5
37.5°	48.8	49.5	51.2	52.5	53.1
40°	43.9	45.0	46.3	47.5	48.2
42.5°	39.8	40.7	42.0	43.0	43.7
45°	35.9	36.6	37.9	38.7	39.2
47.5°	32.3	32.9	34.2	34.6	34.9
50°	28.8	29.5	30.3	30.6	30.8
52.5°	25.6	26.0	26.9	26.9	26.7
55°	22.6	23.2	23.9	23.7	23.2
57.5°	19.8	20.0	21.1	20.7	20.2
60°	17.0	17.4	18.3	17.9	17.4
62.5°	14.2	14.6	15.7	15.3	14.6
65°	11.4	12.3	13.3	12.7	12.0
67.5°	8.6	9.7	10.8	10.1	9.7
70°	6.7	7.5	8.4	7.7	7.3
72.5°	5.2	5.6	6.0	5.6	5.2
75°	3.9	4.1	4.1	3.7	3.4
77.5°	2.8	3.0	2.6	2.2	2.2
80°	1.7	1.9	1.7	1.3	1.3
82.5°	0.9	1.1	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.2	0.2	0.2



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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)