

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: P1305738

Luminaire Tested: P3SQASS09R259024DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R259024DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

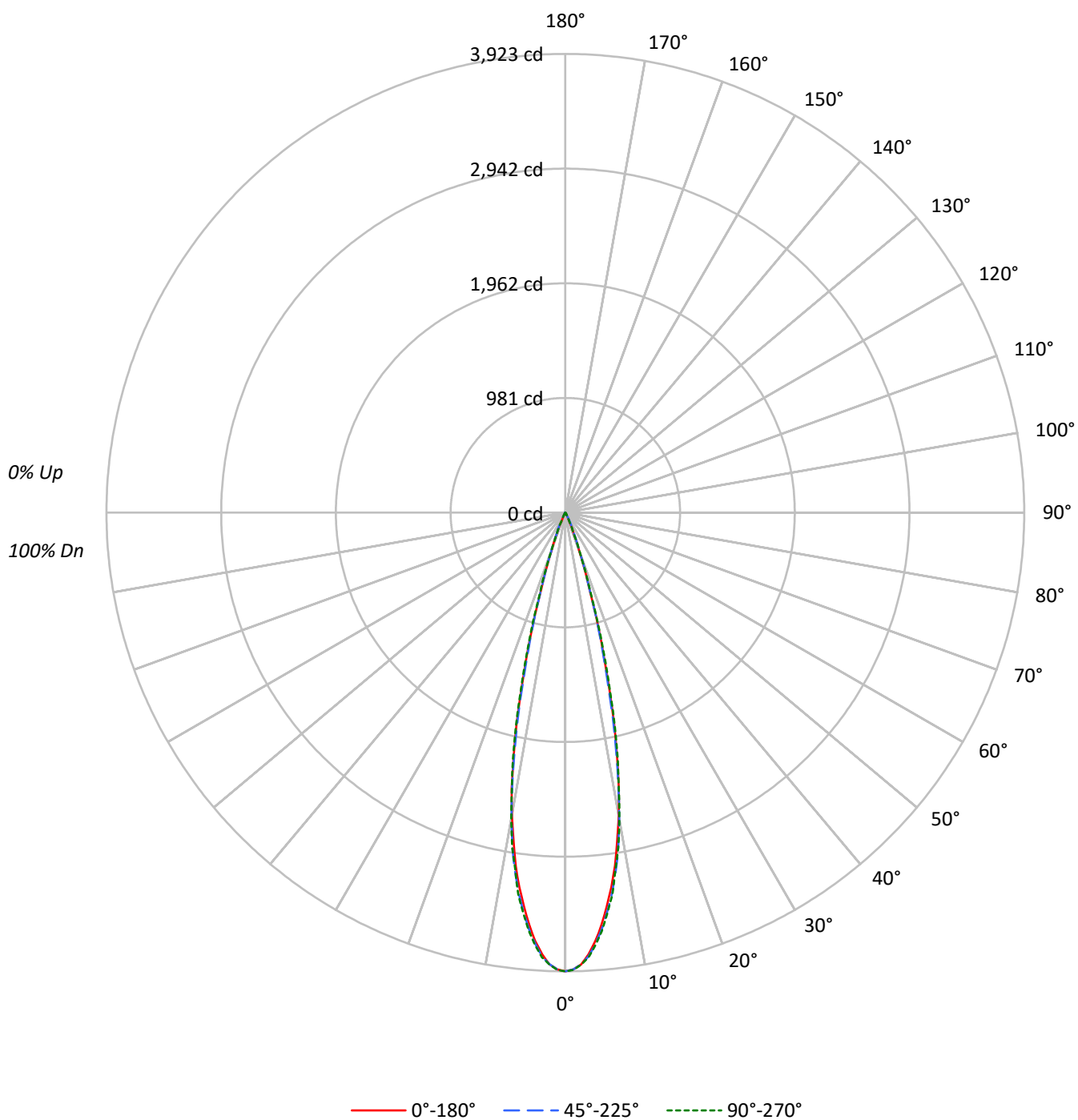
Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	675629	675629	675629
5°	612256	617840	620848
10°	460265	463535	465686
15°	227901	221107	235835
20°	64366	65429	66144
25°	11155	21093	13245
30°	4355	4494	4614
35°	1367	1493	1493
40°	427	585	427
45°	317	146	317
50°	161	0	161
55°	180	0	180
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: 0°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.6	43.0
10°-20°	351.5	48.5
20°-30°	54.5	7.5
30°-40°	5.5	0.8
40°-50°	0.7	0.1
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°	717.6	99.1
0°-40°	723.1	99.9
0°-60°	724.0	100.0
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3923	3923	3923	3923	3923	
5°	3542	3548	3574	3588	3591	309
15°	1278	1269	1240	1296	1323	350
25°	59	87	111	85	70	49
35°	6	7	7	8	7	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	3923.0	3923.0	3923.0	3923.0	3923.0
1°	3906.9	3912.0	3906.2	3912.7	3912.0
2°	3866.2	3871.4	3864.3	3868.1	3868.1
3°	3782.9	3793.9	3800.4	3804.9	3808.7
4°	3673.2	3685.4	3695.1	3706.7	3706.7
5°	3541.5	3547.9	3573.8	3588.0	3591.2
6°	3384.6	3410.4	3429.8	3458.2	3440.8
7°	3227.8	3249.1	3276.2	3280.7	3293.0
8°	3049.6	3072.2	3097.4	3092.8	3082.5
9°	2832.7	2865.6	2895.3	2885.6	2898.5
10°	2631.9	2651.9	2650.6	2640.9	2662.9
11°	2398.9	2403.4	2378.2	2417.6	2393.7
12°	2122.6	2126.4	2094.2	2132.9	2157.4
13°	1857.9	1848.9	1804.3	1855.3	1886.3
14°	1553.2	1556.4	1499.6	1598.4	1590.6
15°	1278.2	1269.2	1240.1	1295.6	1322.7
17.5°	681.1	686.9	679.8	707.5	725.0
20°	351.2	360.9	357.0	368.6	360.9
22.5°	182.0	195.6	199.5	190.4	165.9
25°	58.7	87.1	111.0	84.6	69.7
27.5°	35.5	34.9	54.2	37.4	38.1
30°	21.9	21.3	22.6	22.6	23.2
32.5°	12.3	12.9	12.3	13.6	12.9
35°	6.5	7.1	7.1	7.7	7.1
37.5°	3.9	4.5	4.5	4.5	3.9
40°	1.9	2.6	2.6	1.9	1.9
42.5°	1.3	1.3	1.3	1.3	1.3
45°	1.3	0.6	0.6	0.6	1.3
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.6	0.0	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.6	0.0	0.0	0.0	0.6
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)