

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: P1307347

Luminaire Tested: P3SQAS24R309027D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309027D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

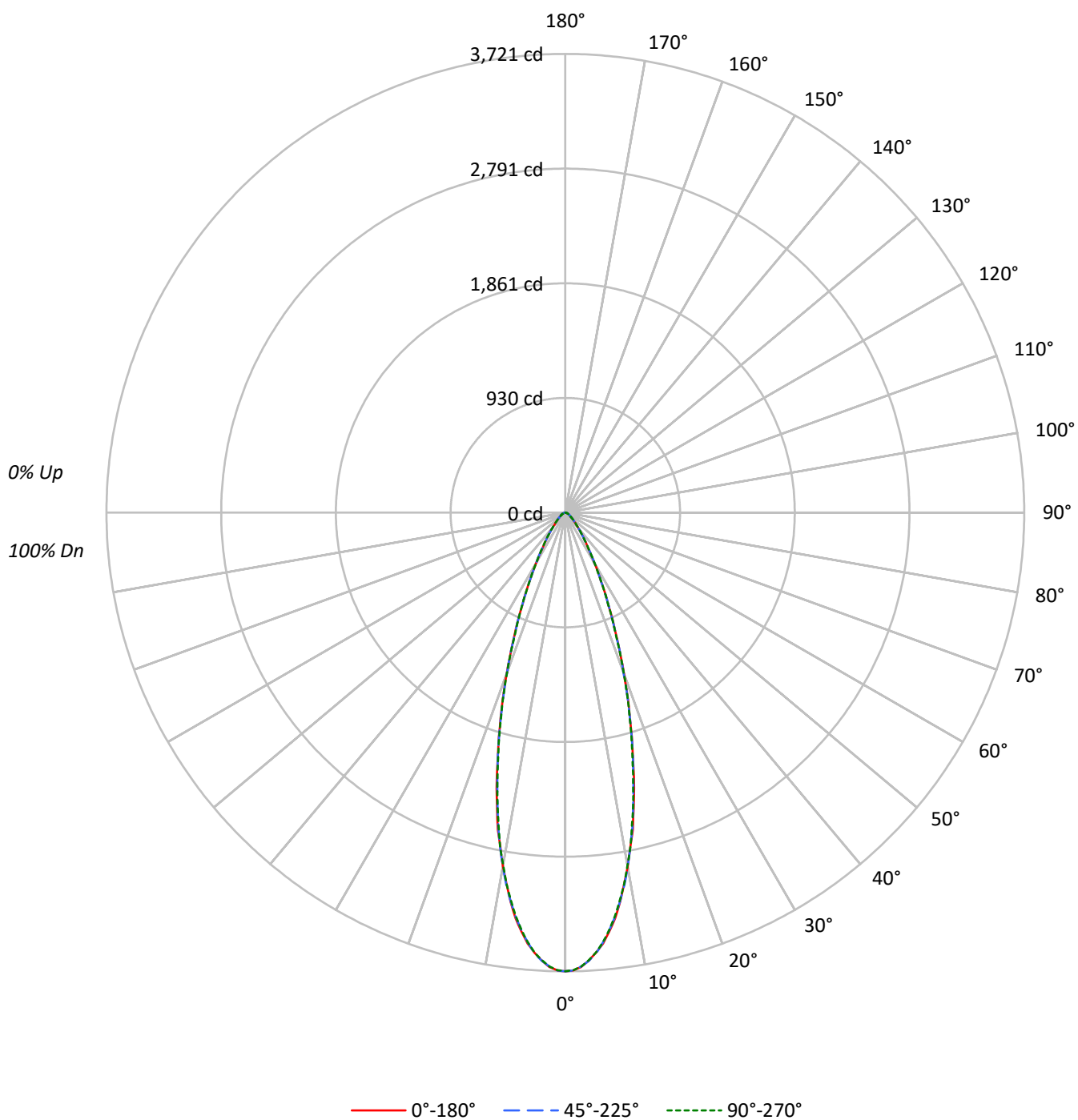
Lumens per Lamp: N/A
Luminaire Lumens: 1634.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	640772	640772	640772
5°	606655	605099	604788
10°	509651	509651	507762
15°	379721	378758	376494
20°	254130	252810	253140
25°	156658	156316	157000
30°	94203	94203	94561
35°	57775	57775	58154
40°	36578	36578	37388
45°	25087	25549	25549
50°	18407	18407	18407
55°	14112	14653	14653
60°	11814	11814	12469
65°	10310	10310	10310
70°	9114	10021	10021
75°	8451	8451	8451
80°	7141	7141	7141
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 25549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	19.3
10°-20°	582.4	35.6
20°-30°	387.1	23.7
30°-40°	179.0	11.0
40°-50°	83.1	5.1
50°-60°	44.4	2.7
60°-70°	25.9	1.6
70°-80°	13.7	0.8
80°-90°	2.9	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°	1284.9	78.6
0°-40°	1463.9	89.6
0°-60°	1591.4	97.4
0°-90°	1634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3721	3721	3721	3721	3721	
5°	3509	3502	3500	3509	3498	316
15°	2130	2137	2124	2124	2112	584
25°	824	823	823	823	826	388
35°	275	273	275	277	277	178
45°	103	103	105	105	105	82
55°	47	49	49	49	49	44
65°	25	25	25	25	25	25
75°	13	13	13	13	13	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3720.6	3720.6	3720.6	3720.6	3720.6
1°	3713.4	3709.8	3713.4	3718.8	3711.6
2°	3688.1	3684.5	3684.5	3691.7	3684.5
3°	3639.3	3642.9	3641.1	3648.3	3635.7
4°	3577.8	3576.0	3583.2	3586.8	3576.0
5°	3509.1	3501.9	3500.1	3509.1	3498.3
6°	3415.1	3409.7	3406.1	3416.9	3402.4
7°	3313.8	3310.2	3304.8	3308.4	3297.6
8°	3189.1	3187.3	3183.7	3187.3	3174.6
9°	3049.9	3049.9	3057.1	3055.3	3048.1
10°	2914.3	2917.9	2914.3	2917.9	2903.5
11°	2762.4	2762.4	2766.1	2764.3	2766.1
12°	2630.5	2616.0	2612.4	2608.8	2597.9
13°	2460.5	2449.7	2446.1	2449.7	2444.3
14°	2305.1	2297.8	2279.7	2283.4	2276.1
15°	2129.7	2136.9	2124.3	2124.3	2111.6
17.5°	1741.0	1733.8	1737.4	1739.2	1733.8
20°	1386.6	1383.0	1379.4	1375.8	1381.2
22.5°	1077.5	1079.3	1075.7	1072.1	1068.5
25°	824.4	822.6	822.6	822.6	826.2
27.5°	625.5	625.5	625.5	627.3	627.3
30°	473.7	470.0	473.7	475.5	475.5
32.5°	354.3	358.0	359.8	359.8	359.8
35°	274.8	273.0	274.8	276.6	276.6
37.5°	209.7	209.7	211.5	211.5	213.3
40°	162.7	162.7	162.7	164.5	166.3
42.5°	128.4	128.4	130.2	130.2	132.0
45°	103.0	103.0	104.9	104.9	104.9
47.5°	83.2	83.2	85.0	85.0	85.0
50°	68.7	68.7	68.7	68.7	68.7
52.5°	57.9	56.0	57.9	57.9	57.9
55°	47.0	48.8	48.8	48.8	48.8
57.5°	39.8	41.6	41.6	41.6	41.6
60°	34.3	34.3	34.3	36.2	36.2
62.5°	28.9	30.7	30.7	30.7	30.7
65°	25.3	25.3	25.3	25.3	25.3
67.5°	21.7	21.7	21.7	21.7	23.5
70°	18.1	18.1	19.9	19.9	19.9
72.5°	16.3	16.3	16.3	16.3	16.3
75°	12.7	12.7	12.7	12.7	12.7
77.5°	9.0	9.0	10.8	10.8	9.0
80°	7.2	7.2	7.2	7.2	7.2
82.5°	5.4	5.4	5.4	5.4	5.4
85°	1.8	1.8	1.8	1.8	1.8
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)