

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: P1315649

Luminaire Tested: P3SQAS20R259740D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259740D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

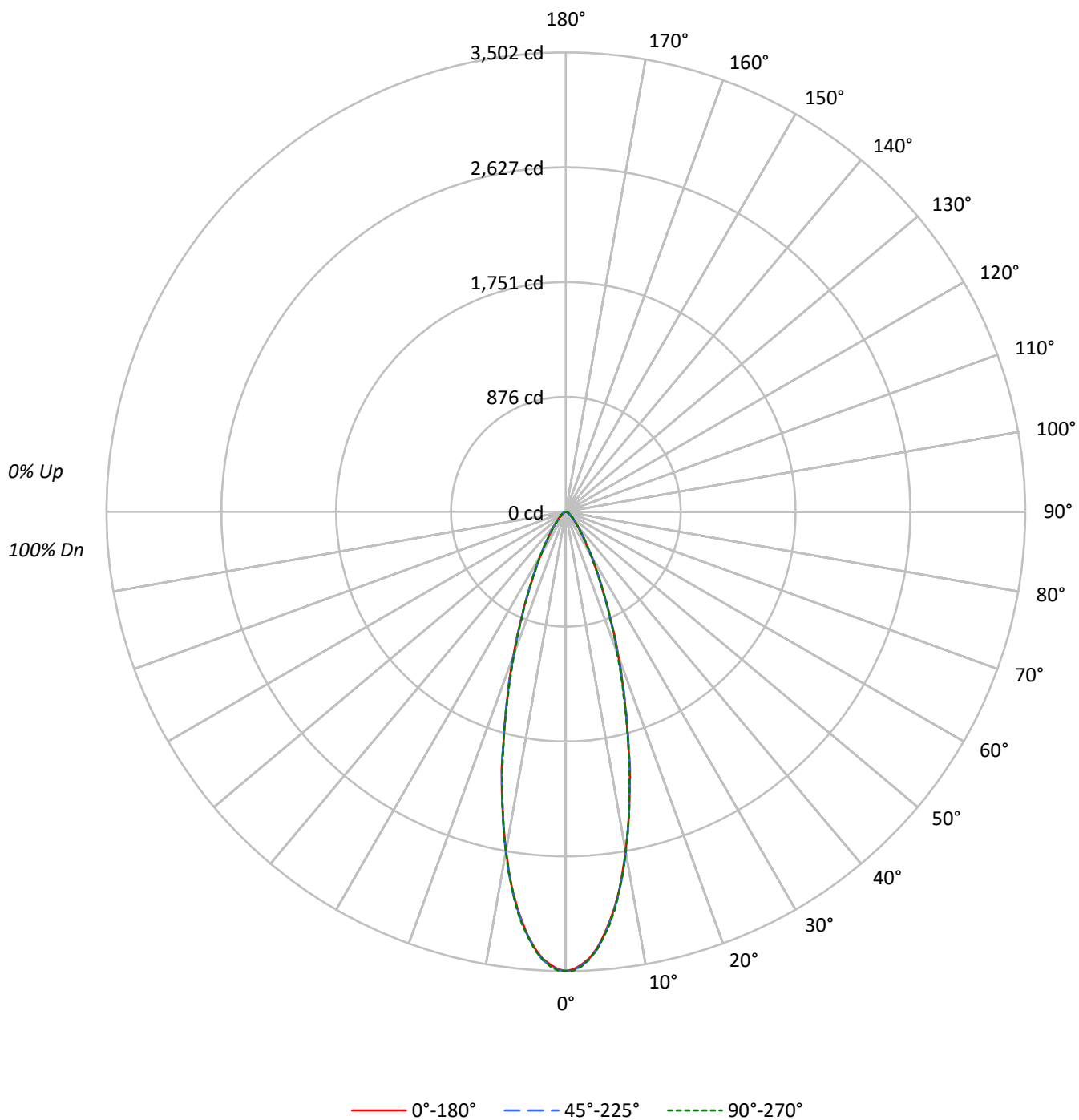
Lumens per Lamp: N/A
Luminaire Lumens: 1403.0 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	603038	603038	603038
5°	562864	563435	563729
10°	459111	460545	460545
15°	327926	329673	327926
20°	214616	212508	209502
25°	127603	128230	127603
30°	76862	76862	76543
35°	46822	47179	46822
40°	29834	30193	30193
45°	20751	20751	20751
50°	14924	15352	15352
55°	11800	11800	12281
60°	9576	10161	10161
65°	8680	8680	8680
70°	7402	7402	8258
75°	6521	6521	7652
80°	6546	6546	6546
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20751 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	20.7
10°-20°	507.2	36.1
20°-30°	318.9	22.7
30°-40°	145.9	10.4
40°-50°	68.1	4.9
50°-60°	36.6	2.6
60°-70°	21.6	1.5
70°-80°	11.3	0.8
80°-90°	2.5	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°	1117.0	79.6
0°-40°	1262.9	90.0
0°-60°	1367.7	97.5
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3502	3502	3502	3502	3502	
5°	3256	3262	3259	3262	3261	290
15°	1839	1851	1849	1852	1839	507
25°	672	680	675	675	672	319
35°	223	223	224	224	223	145
45°	85	85	85	85	85	68
55°	39	39	39	41	41	36
65°	21	21	21	21	21	21
75°	10	10	10	12	12	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3501.5	3501.5	3501.5	3501.5	3501.5
1°	3486.8	3490.0	3493.3	3498.2	3496.6
2°	3454.0	3460.6	3462.2	3468.8	3467.1
3°	3409.8	3408.2	3421.3	3421.3	3413.1
4°	3341.0	3344.3	3347.6	3350.8	3352.5
5°	3255.8	3262.4	3259.1	3262.4	3260.8
6°	3151.0	3160.9	3159.2	3162.5	3167.4
7°	3039.7	3046.2	3046.2	3042.9	3056.0
8°	2918.5	2913.6	2921.7	2918.5	2916.8
9°	2774.3	2784.2	2785.8	2777.6	2780.9
10°	2625.3	2631.9	2633.5	2638.4	2633.5
11°	2477.9	2477.9	2481.2	2489.4	2476.3
12°	2317.4	2332.2	2317.4	2324.0	2317.4
13°	2165.1	2168.4	2165.1	2163.5	2152.0
14°	2021.0	2009.5	2012.8	1999.7	2001.3
15°	1839.2	1850.7	1849.0	1852.3	1839.2
17.5°	1478.9	1485.4	1483.8	1480.5	1464.1
20°	1171.0	1171.0	1159.5	1153.0	1143.1
22.5°	894.2	890.9	886.0	881.1	884.4
25°	671.5	679.7	674.8	674.8	671.5
27.5°	507.7	517.5	509.3	504.4	507.7
30°	386.5	389.8	386.5	384.9	384.9
32.5°	291.5	293.2	291.5	291.5	291.5
35°	222.7	222.7	224.4	224.4	222.7
37.5°	172.0	172.0	172.0	172.0	173.6
40°	132.7	134.3	134.3	134.3	134.3
42.5°	104.8	106.5	106.5	106.5	106.5
45°	85.2	85.2	85.2	85.2	85.2
47.5°	68.8	68.8	68.8	68.8	70.4
50°	55.7	57.3	57.3	57.3	57.3
52.5°	47.5	47.5	47.5	47.5	47.5
55°	39.3	39.3	39.3	40.9	40.9
57.5°	32.8	32.8	34.4	34.4	34.4
60°	27.8	29.5	29.5	29.5	29.5
62.5°	24.6	24.6	26.2	26.2	26.2
65°	21.3	21.3	21.3	21.3	21.3
67.5°	18.0	18.0	18.0	18.0	19.7
70°	14.7	14.7	14.7	16.4	16.4
72.5°	13.1	13.1	13.1	13.1	13.1
75°	9.8	9.8	9.8	11.5	11.5
77.5°	8.2	8.2	8.2	8.2	8.2
80°	6.6	6.6	6.6	6.6	6.6
82.5°	3.3	3.3	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6
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)