

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: P1315632

Luminaire Tested: P3SQAS20R209740D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209740D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

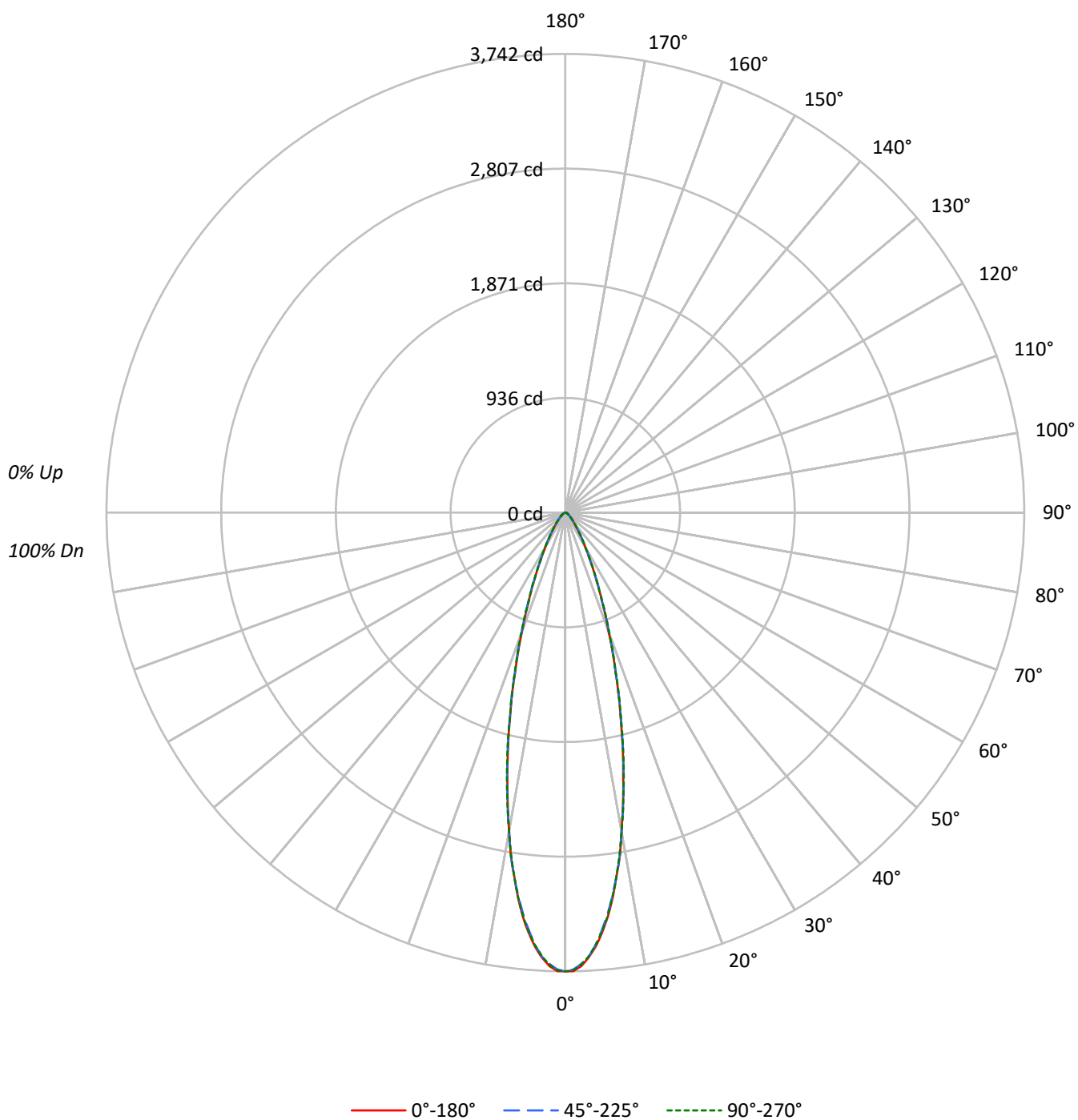
Lumens per Lamp: N/A
Luminaire Lumens: 1315.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	644440	644440	644440
5°	594536	591130	593118
10°	461367	461944	461944
15°	311843	313287	313287
20°	189379	191779	192678
25°	111090	112648	112344
30°	64810	66103	66441
35°	39589	40619	40619
40°	25764	26147	26506
45°	17950	18340	18754
50°	13155	13611	13611
55°	10329	10809	10809
60°	9024	9024	9576
65°	8028	8028	8680
70°	7402	7402	7402
75°	6521	6521	6521
80°	4860	4860	6546
85°	3162	3162	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.7	22.9
10°-20°	483.2	36.7
20°-30°	279.8	21.3
30°-40°	125.5	9.5
40°-50°	59.5	4.5
50°-60°	32.6	2.5
60°-70°	19.8	1.5
70°-80°	10.6	0.8
80°-90°	2.3	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°	1064.8	81.0
0°-40°	1190.2	90.5
0°-60°	1282.3	97.5
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3742	3742	3742	3742	3742	
5°	3439	3428	3419	3426	3431	303
15°	1749	1749	1757	1749	1757	482
25°	585	585	593	588	591	277
35°	188	190	193	195	193	123
45°	74	74	75	75	77	58
55°	34	34	36	36	36	32
65°	20	20	20	20	21	20
75°	10	10	10	10	10	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3741.9	3741.9	3741.9	3741.9	3741.9
1°	3740.3	3730.5	3727.2	3723.9	3733.7
2°	3702.6	3691.2	3684.6	3687.9	3689.5
3°	3635.5	3628.9	3628.9	3624.0	3627.3
4°	3548.7	3535.6	3535.6	3537.2	3537.2
5°	3439.0	3427.5	3419.3	3425.9	3430.8
6°	3316.1	3301.4	3294.9	3296.5	3308.0
7°	3165.5	3145.8	3149.1	3157.3	3157.3
8°	2995.2	2993.5	2996.8	2993.5	2996.8
9°	2838.0	2815.0	2834.7	2818.3	2826.5
10°	2638.2	2636.5	2641.5	2646.4	2641.5
12.5°	2182.9	2191.1	2194.4	2187.8	2202.6
15°	1749.0	1749.0	1757.1	1749.0	1757.1
17.5°	1360.8	1359.2	1365.8	1359.2	1369.0
20°	1033.3	1044.8	1046.4	1046.4	1051.3
22.5°	779.5	779.5	786.1	787.7	784.4
25°	584.6	584.6	592.8	587.9	591.2
27.5°	432.3	435.6	442.2	445.4	445.4
30°	325.9	327.5	332.4	334.1	334.1
32.5°	245.6	248.9	252.2	253.8	255.5
35°	188.3	190.0	193.2	194.9	193.2
37.5°	144.1	145.7	149.0	150.7	150.7
40°	114.6	114.6	116.3	117.9	117.9
42.5°	90.1	91.7	91.7	93.3	93.3
45°	73.7	73.7	75.3	75.3	77.0
47.5°	59.0	59.0	60.6	62.2	62.2
50°	49.1	49.1	50.8	50.8	50.8
52.5°	40.9	40.9	42.6	42.6	42.6
55°	34.4	34.4	36.0	36.0	36.0
57.5°	29.5	29.5	31.1	31.1	31.1
60°	26.2	26.2	26.2	26.2	27.8
62.5°	22.9	22.9	22.9	22.9	22.9
65°	19.7	19.7	19.7	19.7	21.3
67.5°	16.4	16.4	16.4	16.4	18.0
70°	14.7	14.7	14.7	14.7	14.7
72.5°	11.5	11.5	11.5	13.1	13.1
75°	9.8	9.8	9.8	9.8	9.8
77.5°	8.2	8.2	8.2	8.2	8.2
80°	4.9	4.9	4.9	6.6	6.6
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	3.3
87.5°	0.0	0.0	0.0	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)