

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: P1311696

Luminaire Tested: P3SQAS20R609050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

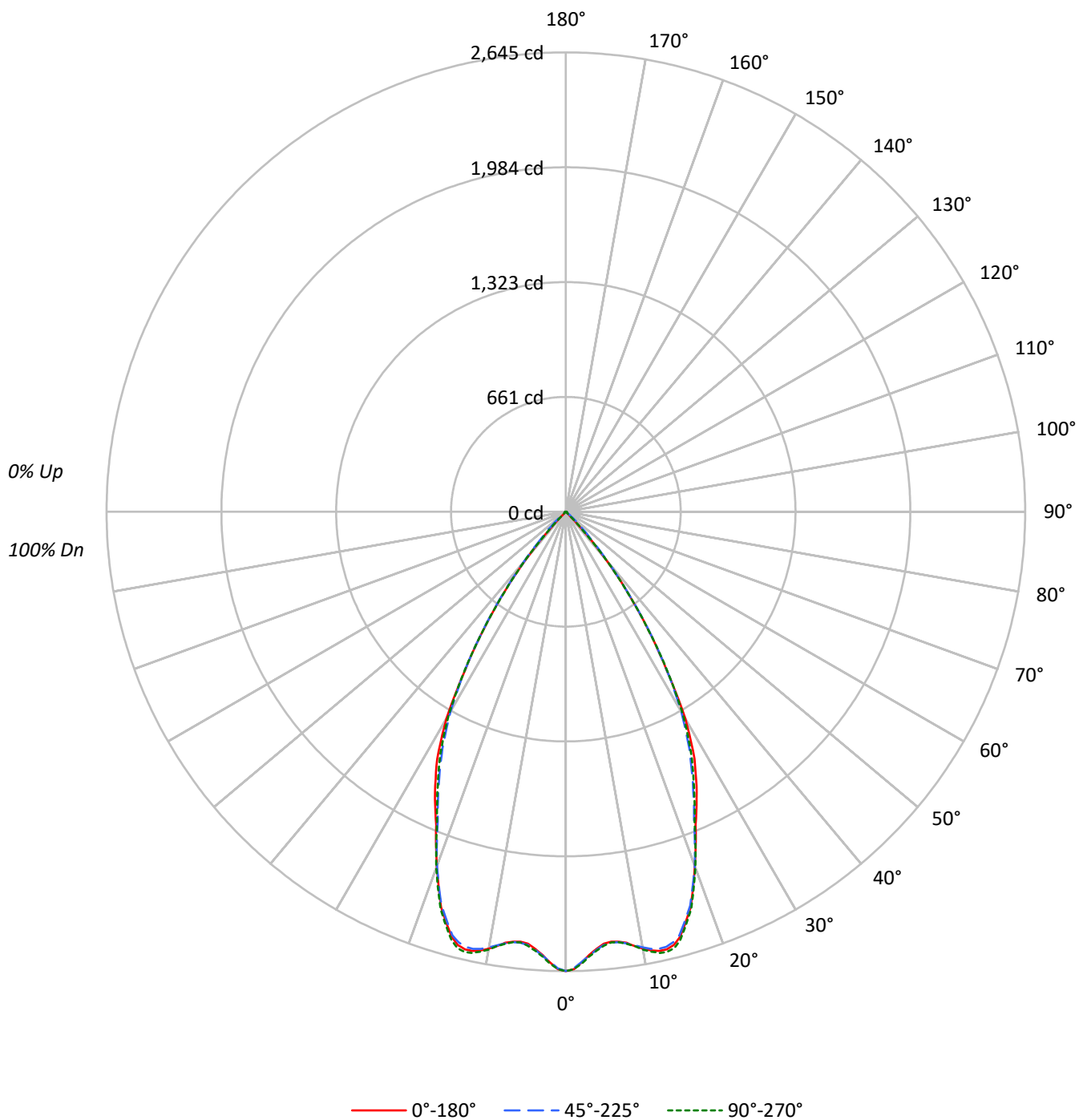
Lumens per Lamp: N/A
Luminaire Lumens: 2358.9 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	455494	455494	455494
5°	431700	432979	433619
10°	446695	445418	447674
15°	452146	450167	454767
20°	398129	397799	399816
25°	338799	328974	331787
30°	273440	263895	268290
35°	173053	174608	172674
40°	80913	84240	82149
45°	4944	29666	5845
50°	2465	6913	2465
55°	2762	2762	2762
60°	2549	2549	2549
65°	2241	3016	2241
70°	2769	2769	2769
75°	2462	2462	2462
80°	1785	1785	1785
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 29666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	10.2
10°-20°	694.3	29.4
20°-30°	800.3	33.9
30°-40°	513.9	21.8
40°-50°	89.4	3.8
50°-60°	8.5	0.4
60°-70°	6.5	0.3
70°-80°	3.9	0.2
80°-90°	1.2	0.1
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°	1735.5	73.6
0°-40°	2249.4	95.4
0°-60°	2347.3	99.5
0°-90°	2358.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2358.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2645	2645	2645	2645	2645	
5°	2497	2503	2504	2510	2508	241
15°	2536	2527	2525	2541	2551	695
25°	1783	1763	1731	1733	1746	813
35°	823	818	830	814	821	514
45°	20	61	122	72	24	67
55°	9	9	9	9	9	8
65°	6	7	7	7	6	6
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2644.8	2644.8	2644.8	2644.8	2644.8
1°	2633.7	2631.9	2630.0	2631.9	2633.7
2°	2596.8	2594.9	2593.1	2600.5	2604.2
3°	2556.2	2558.0	2559.9	2563.6	2565.4
4°	2523.0	2526.7	2528.5	2532.2	2534.0
5°	2497.1	2502.7	2504.5	2510.0	2508.2
6°	2489.7	2493.4	2495.3	2497.1	2493.4
7°	2493.4	2495.3	2497.1	2500.8	2497.1
8°	2506.4	2508.2	2510.0	2511.9	2511.9
9°	2532.2	2528.5	2526.7	2534.0	2532.2
10°	2554.3	2548.8	2547.0	2558.0	2559.9
11°	2572.8	2565.4	2563.6	2576.5	2580.2
12°	2585.7	2574.6	2572.8	2589.4	2596.8
13°	2585.7	2571.0	2571.0	2589.4	2600.5
14°	2571.0	2554.3	2554.3	2574.6	2587.6
15°	2535.9	2526.7	2524.8	2541.4	2550.6
17.5°	2388.2	2377.2	2379.0	2397.5	2399.3
20°	2172.3	2166.8	2170.5	2174.1	2181.5
22.5°	1952.7	1949.0	1928.7	1934.2	1937.9
25°	1782.9	1762.6	1731.2	1733.0	1746.0
27.5°	1603.8	1583.5	1539.2	1548.5	1561.4
30°	1375.0	1358.4	1327.0	1332.5	1349.1
32.5°	1079.7	1112.9	1083.4	1092.6	1087.1
35°	823.1	817.6	830.5	813.9	821.3
37.5°	579.5	581.4	586.9	572.1	572.1
40°	359.9	369.1	374.7	367.3	365.4
42.5°	151.3	206.7	217.8	206.7	153.2
45°	20.3	60.9	121.8	72.0	24.0
47.5°	9.2	12.9	64.6	12.9	9.2
50°	9.2	9.2	25.8	9.2	9.2
52.5°	9.2	9.2	9.2	9.2	9.2
55°	9.2	9.2	9.2	9.2	9.2
57.5°	9.2	9.2	9.2	9.2	9.2
60°	7.4	7.4	7.4	7.4	7.4
62.5°	7.4	7.4	7.4	7.4	7.4
65°	5.5	7.4	7.4	7.4	5.5
67.5°	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.5	5.5	5.5
72.5°	3.7	3.7	3.7	3.7	3.7
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.7	3.7	3.7	3.7	3.7
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
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)