

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: P1318246

Luminaire Tested: P3SQAS20R159835D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159835D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

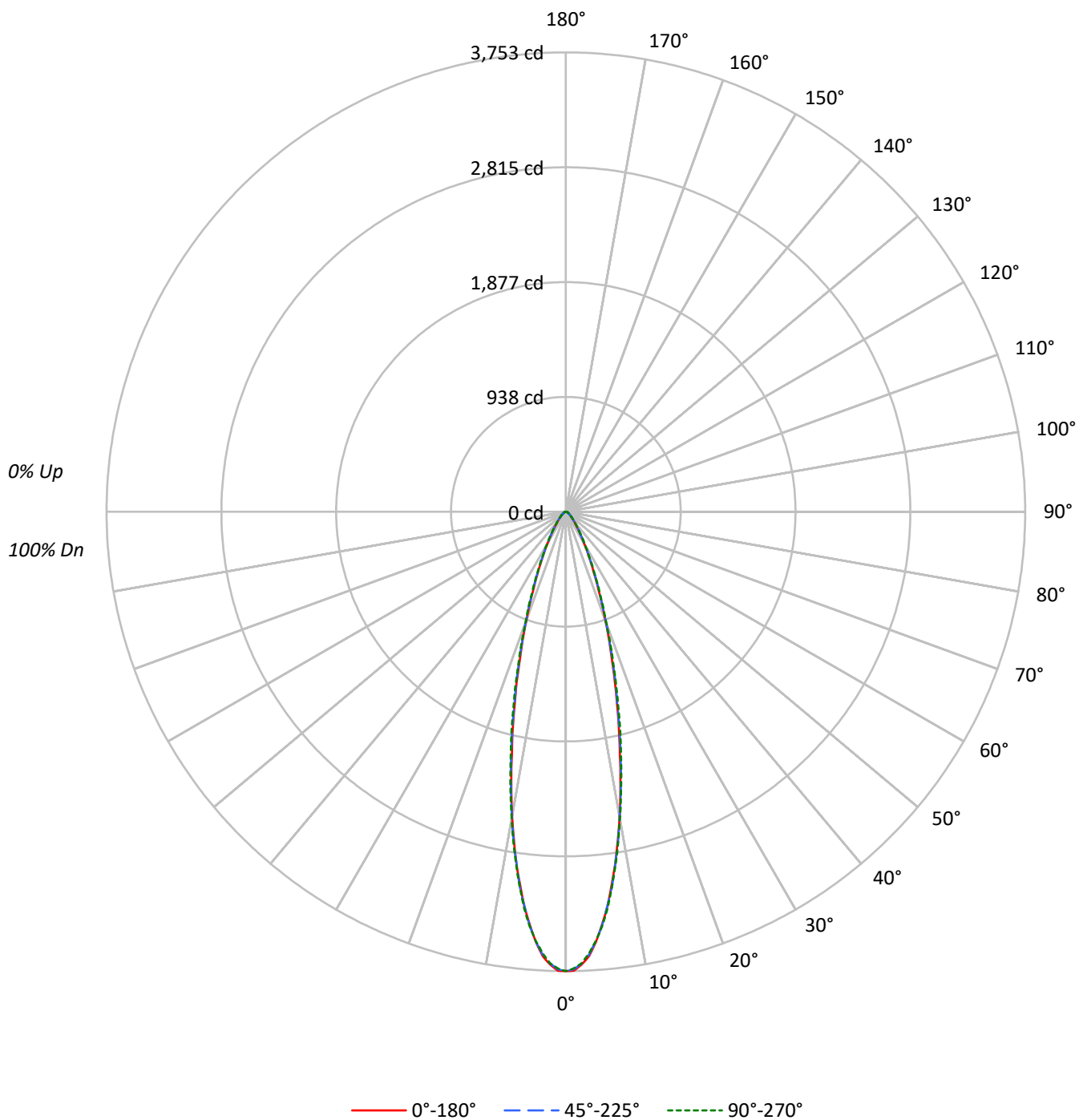
Lumens per Lamp: N/A
Luminaire Lumens: 1241.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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		97	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	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	646300	646300	646300
5°	585408	586514	587344
10°	441973	443092	445313
15°	286668	289806	295475
20°	172609	174643	176989
25°	100828	102956	104477
30°	59262	61151	62106
35°	36520	37865	38538
40°	24011	24730	25068
45°	16684	17074	17463
50°	12378	12807	13236
55°	10059	10539	10539
60°	8783	8783	8783
65°	7784	7784	7784
70°	6395	7201	7201
75°	6388	6388	6388
80°	4761	6347	6347
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 17463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	23.8
10°-20°	452.0	36.4
20°-30°	256.9	20.7
30°-40°	117.2	9.4
40°-50°	56.2	4.5
50°-60°	31.4	2.5
60°-70°	19.2	1.5
70°-80°	10.3	0.8
80°-90°	2.2	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°	1004.5	80.9
0°-40°	1121.7	90.4
0°-60°	1209.3	97.4
0°-90°	1241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3753	3753	3753	3753	3753	
5°	3386	3385	3393	3393	3397	295
15°	1608	1616	1625	1648	1657	446
25°	531	531	542	547	550	252
35°	174	177	180	183	183	114
45°	68	68	70	72	72	55
55°	34	34	35	35	35	31
65°	19	19	19	19	19	19
75°	10	10	10	10	10	10
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°	3752.7	3752.7	3752.7	3752.7	3752.7
1°	3749.5	3740.0	3736.8	3735.2	3732.0
2°	3701.7	3693.7	3692.1	3692.1	3690.6
3°	3634.8	3620.4	3622.0	3617.3	3612.5
4°	3521.6	3515.3	3518.5	3521.6	3515.3
5°	3386.2	3384.6	3392.6	3392.6	3397.4
6°	3246.0	3244.4	3239.6	3252.3	3258.7
7°	3067.5	3077.1	3089.8	3083.4	3088.2
8°	2905.0	2893.8	2898.6	2914.5	2916.1
9°	2713.7	2705.8	2726.5	2732.9	2734.5
10°	2527.3	2535.3	2533.7	2556.0	2546.4
12.5°	2041.3	2054.0	2068.4	2077.9	2087.5
15°	1607.8	1615.8	1625.4	1647.7	1657.2
17.5°	1236.6	1246.1	1255.7	1274.8	1278.0
20°	941.8	946.5	952.9	970.4	965.7
22.5°	704.3	712.3	718.7	726.6	731.4
25°	530.6	530.6	541.8	546.6	549.8
27.5°	395.2	398.4	406.3	412.7	411.1
30°	298.0	302.8	307.5	310.7	312.3
32.5°	229.5	229.5	234.2	239.0	240.6
35°	173.7	176.9	180.1	183.3	183.3
37.5°	135.4	137.0	140.2	141.8	141.8
40°	106.8	106.8	110.0	111.5	111.5
42.5°	84.5	86.0	87.6	89.2	89.2
45°	68.5	68.5	70.1	71.7	71.7
47.5°	55.8	55.8	57.4	59.0	59.0
50°	46.2	47.8	47.8	49.4	49.4
52.5°	39.8	39.8	39.8	41.4	41.4
55°	33.5	33.5	35.1	35.1	35.1
57.5°	28.7	28.7	28.7	30.3	30.3
60°	25.5	25.5	25.5	25.5	25.5
62.5°	22.3	22.3	22.3	22.3	22.3
65°	19.1	19.1	19.1	19.1	19.1
67.5°	15.9	15.9	15.9	17.5	17.5
70°	12.7	14.3	14.3	14.3	14.3
72.5°	11.2	11.2	11.2	11.2	11.2
75°	9.6	9.6	9.6	9.6	9.6
77.5°	8.0	8.0	8.0	8.0	8.0
80°	4.8	6.4	6.4	6.4	6.4
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)