

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: P1312742

Luminaire Tested: P3SQAS20R309727D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309727D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

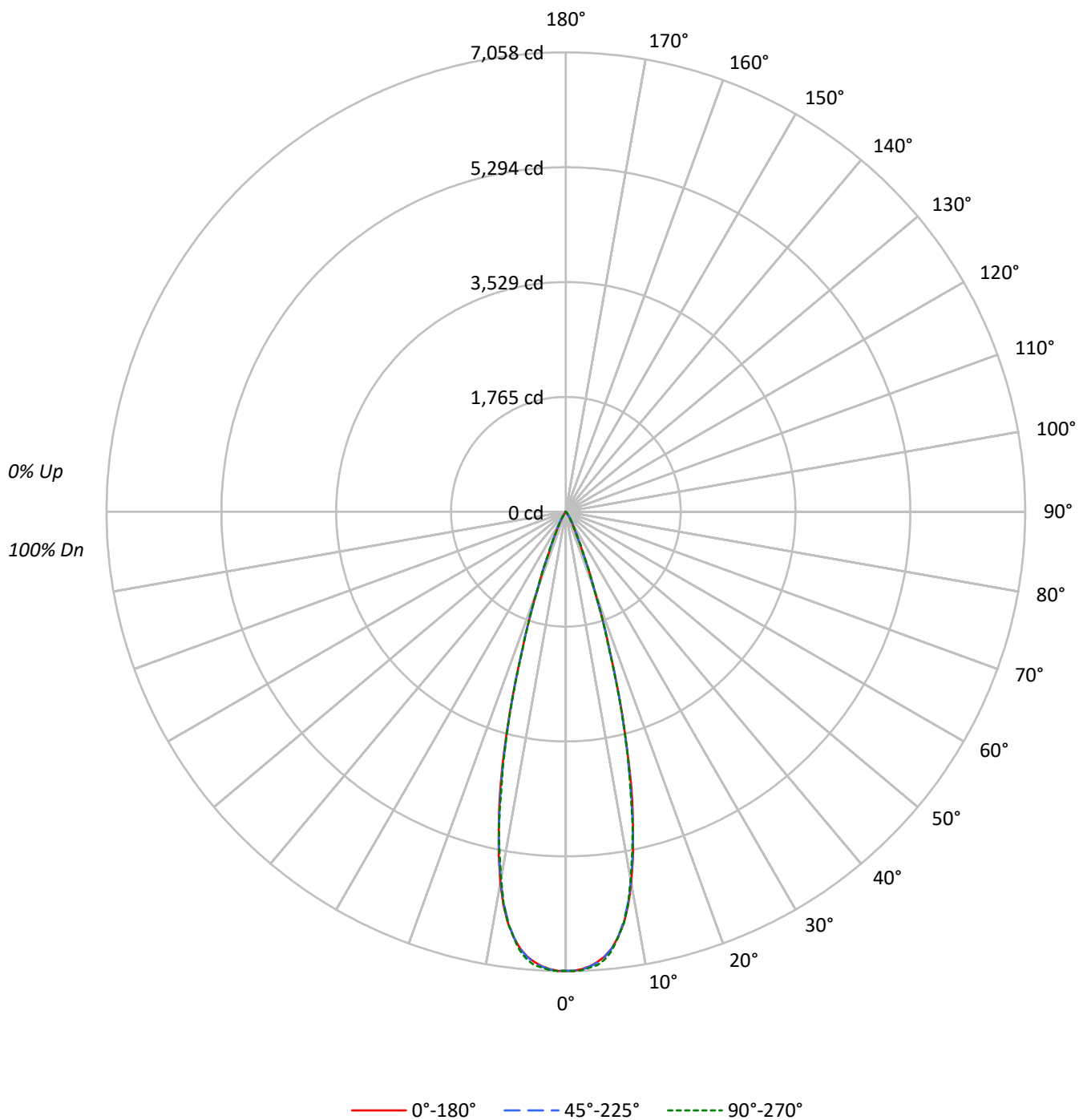
Lumens per Lamp: N/A
Luminaire Lumens: 1820.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1214755	1214755	1214755
5°	1185130	1186600	1193204
10°	1012185	1007481	1001535
15°	624631	617321	619586
20°	236077	237378	237122
25°	72628	79621	75859
30°	29273	37148	30407
35°	8620	15768	8935
40°	3507	6362	3507
45°	682	2070	682
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.1	34.2
10°-20°	921.1	50.6
20°-30°	228.5	12.6
30°-40°	42.9	2.4
40°-50°	5.4	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1771.7	97.3
0°-40°	1814.6	99.7
0°-60°	1820.0	100.0
0°-90°	1820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7053	7053	7053	7053	7053	
5°	6855	6852	6864	6875	6902	623
15°	3503	3469	3462	3489	3475	926
25°	382	408	419	418	399	220
35°	41	54	75	55	42	34
45°	3	4	8	6	3	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7053.4	7053.4	7053.4	7053.4	7053.4
1°	7056.2	7050.5	7050.5	7042.0	7057.6
2°	7030.7	7025.0	7035.0	7027.9	7047.7
3°	6992.5	6985.4	6999.6	7003.8	7013.7
4°	6935.9	6930.2	6945.8	6954.3	6981.2
5°	6855.2	6852.4	6863.7	6875.0	6901.9
6°	6744.8	6740.5	6747.6	6761.8	6778.8
7°	6584.8	6576.3	6582.0	6584.8	6589.1
8°	6382.4	6369.7	6362.6	6378.2	6386.7
9°	6122.0	6107.8	6092.2	6086.6	6106.4
10°	5787.9	5766.7	5761.0	5746.9	5727.0
11°	5400.1	5383.1	5378.8	5353.4	5342.0
12°	4955.6	4947.1	4957.0	4941.5	4935.8
13°	4529.5	4475.8	4468.7	4439.0	4423.4
14°	4025.6	3976.1	3974.7	3959.1	3980.3
15°	3503.3	3469.4	3462.3	3489.2	3475.0
17.5°	2233.6	2256.3	2250.6	2236.5	2212.4
20°	1288.1	1272.5	1295.2	1300.8	1293.8
22.5°	686.5	692.2	696.4	713.4	724.7
25°	382.2	407.7	419.0	417.6	399.2
27.5°	237.8	253.4	274.6	260.4	244.9
30°	147.2	159.9	186.8	161.4	152.9
32.5°	79.3	100.5	120.3	100.5	82.1
35°	41.0	53.8	75.0	55.2	42.5
37.5°	26.9	31.1	48.1	31.1	26.9
40°	15.6	19.8	28.3	19.8	15.6
42.5°	7.1	11.3	15.6	11.3	7.1
45°	2.8	4.2	8.5	5.7	2.8
47.5°	0.0	1.4	4.2	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)