

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: P1315503

Luminaire Tested: P3SQAS17R309740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

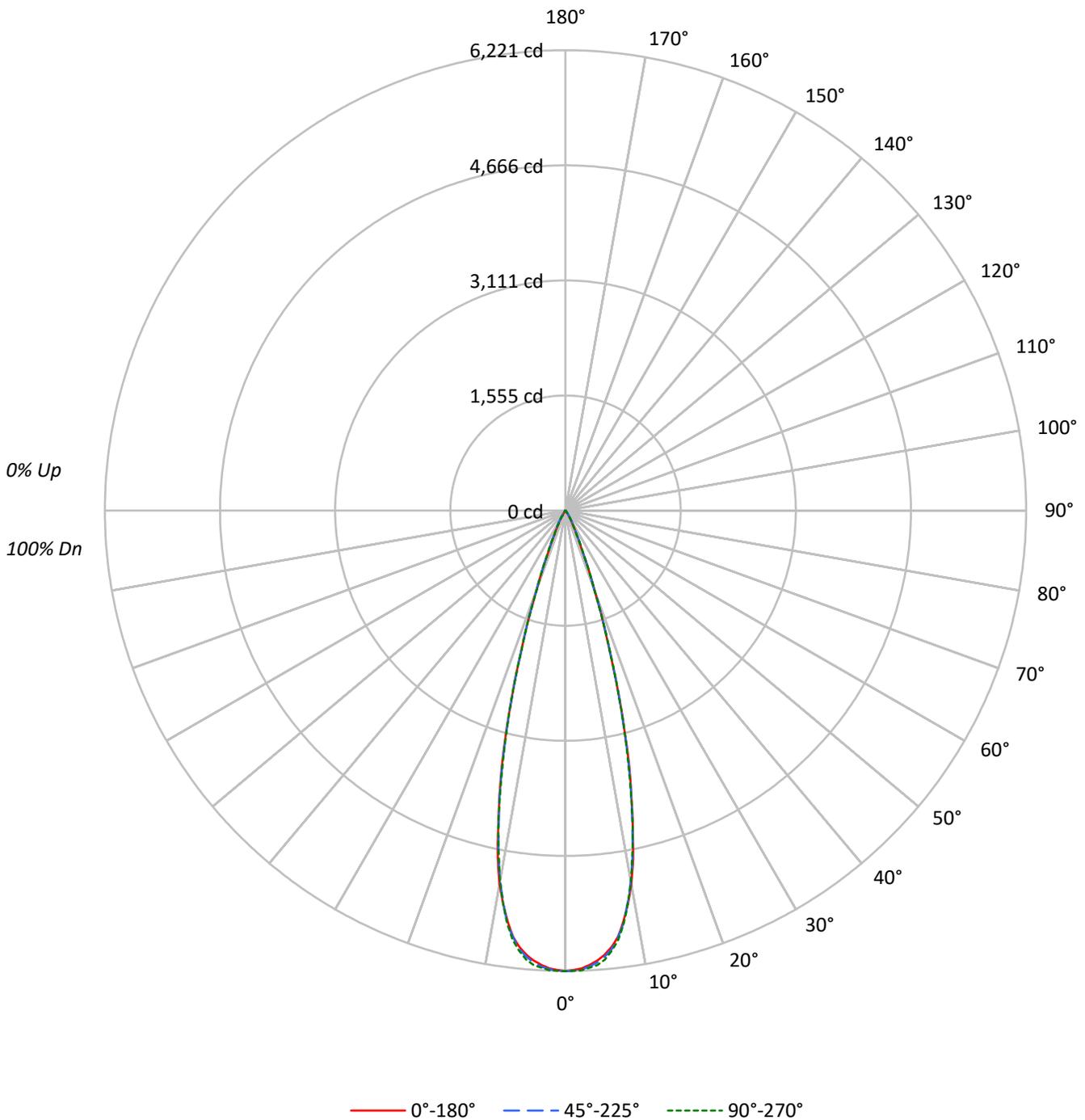
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1617.9 lumens
Efficiency: N/A
Efficacy: 76.3 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	89	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	86	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	84	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	82	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	79	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	77	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	75	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1071431	1071431	1071431
5°	1042072	1046601	1053084
10°	896082	888440	889314
15°	550602	546162	546608
20°	209557	210015	206130
25°	66661	70215	66889
30°	26807	33270	27563
35°	8662	14696	8662
40°	3934	6452	3934
45°	1510	2728	1510
50°	670	1340	670
55°	751	751	751
60°	861	861	861
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.8	33.9
10°-20°	814.1	50.3
20°-30°	202.3	12.5
30°-40°	40.4	2.5
40°-50°	7.3	0.5
50°-60°	2.3	0.1
60°-70°	1.7	0.1
70°-80°	1.1	0.1
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°	1565.1	96.7
0°-40°	1605.5	99.2
0°-60°	1615.1	99.8
0°-90°	1617.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6221	6221	6221	6221	6221	
5°	6028	6048	6054	6063	6091	548
15°	3088	3094	3063	3073	3066	817
25°	351	358	370	364	352	197
35°	41	54	70	52	41	33
45°	6	8	11	9	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
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°	6221.2	6221.2	6221.2	6221.2	6221.2
1°	6207.5	6214.9	6219.9	6219.9	6219.9
2°	6190.0	6195.0	6202.5	6203.7	6213.7
3°	6148.8	6160.0	6172.5	6180.0	6185.0
4°	6098.9	6113.8	6121.3	6140.1	6156.3
5°	6027.7	6047.7	6053.9	6062.7	6091.4
6°	5931.6	5946.6	5959.1	5962.8	5980.3
7°	5804.3	5811.8	5809.3	5815.5	5846.7
8°	5610.8	5613.3	5634.5	5620.8	5642.0
9°	5381.1	5371.1	5366.1	5376.1	5377.4
10°	5124.0	5090.3	5080.3	5071.6	5085.3
11°	4790.7	4747.0	4750.8	4748.3	4728.3
12°	4376.3	4371.3	4338.9	4345.1	4375.1
13°	3953.2	3961.9	3955.6	3963.1	3929.4
14°	3556.2	3513.8	3525.0	3482.6	3498.8
15°	3088.1	3094.4	3063.2	3073.1	3065.7
17.5°	1977.2	1990.9	1980.9	1972.2	1985.9
20°	1143.4	1142.1	1145.9	1134.6	1124.7
22.5°	601.6	610.4	621.6	622.9	630.4
25°	350.8	358.2	369.5	364.5	352.0
27.5°	214.7	228.4	245.9	233.4	218.4
30°	134.8	146.0	167.3	147.3	138.6
32.5°	76.1	92.4	109.8	92.4	76.1
35°	41.2	53.7	69.9	52.4	41.2
37.5°	27.5	31.2	46.2	31.2	27.5
40°	17.5	21.2	28.7	21.2	17.5
42.5°	10.0	13.7	16.2	13.7	10.0
45°	6.2	7.5	11.2	8.7	6.2
47.5°	2.5	3.7	7.5	3.7	3.7
50°	2.5	2.5	5.0	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
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)