

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: P1318057

Luminaire Tested: P3SQAS13R559835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

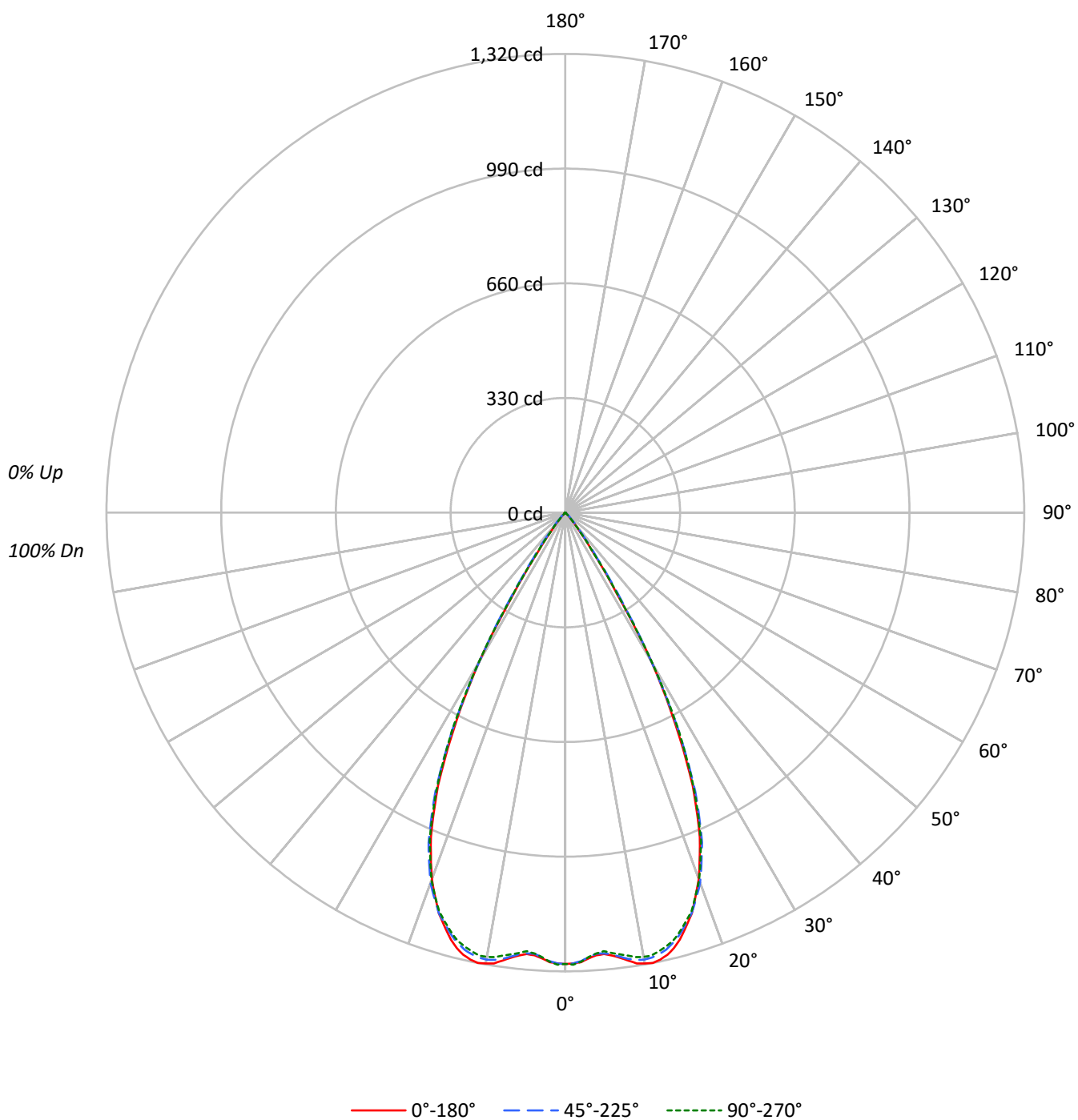
Lumens per Lamp: N/A
Luminaire Lumens: 996.1 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	223683	223683	223683
5°	220475	220094	219040
10°	230439	228463	227011
15°	226849	224816	223871
20°	205708	207779	206258
25°	164487	167946	166368
30°	98637	98637	99850
35°	28509	33765	29455
40°	8183	11061	8183
45°	1851	4238	1851
50°	804	1420	616
55°	691	691	691
60°	792	792	792
65°	611	611	611
70°	755	755	755
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4238 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	12.4
10°-20°	351.0	35.2
20°-30°	386.7	38.8
30°-40°	118.3	11.9
40°-50°	11.7	1.2
50°-60°	2.2	0.2
60°-70°	1.7	0.2
70°-80°	1.0	0.1
80°-90°	0.3	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°	860.9	86.4
0°-40°	979.1	98.3
0°-60°	993.0	99.7
0°-90°	996.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1275	1275	1273	1269	1267	124
15°	1272	1270	1261	1256	1256	353
25°	866	874	884	892	876	381
35°	136	142	161	148	140	111
45°	8	11	17	11	8	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	1298.8	1298.8	1298.8	1298.8	1298.8
1°	1297.3	1298.1	1297.3	1295.8	1301.1
2°	1294.3	1293.5	1291.2	1290.5	1292.8
3°	1284.4	1284.4	1281.4	1279.9	1280.6
4°	1276.8	1276.8	1272.3	1270.8	1271.5
5°	1275.3	1275.3	1273.1	1269.3	1267.0
6°	1281.4	1282.9	1277.6	1273.8	1273.8
7°	1290.5	1291.2	1287.4	1282.1	1280.6
8°	1301.8	1302.6	1296.5	1290.5	1287.4
9°	1313.2	1311.7	1303.4	1297.3	1295.0
10°	1317.7	1317.0	1306.4	1300.3	1298.1
11°	1320.0	1316.2	1304.1	1298.8	1298.1
12°	1314.7	1311.7	1298.8	1293.5	1291.2
13°	1305.6	1301.1	1290.5	1285.2	1282.1
14°	1291.2	1286.7	1276.8	1270.8	1271.5
15°	1272.3	1270.0	1260.9	1255.6	1255.6
17.5°	1209.4	1211.0	1208.7	1206.4	1204.9
20°	1122.4	1128.4	1133.7	1130.7	1125.4
22.5°	1011.0	1021.6	1027.7	1029.2	1019.4
25°	865.6	874.0	883.8	892.1	875.5
27.5°	684.6	692.2	701.3	706.6	704.3
30°	496.0	496.8	496.0	505.9	502.1
32.5°	275.7	298.4	302.2	309.0	284.8
35°	135.6	142.4	160.6	147.7	140.1
37.5°	65.1	69.7	87.1	71.2	68.2
40°	36.4	39.4	49.2	40.9	36.4
42.5°	17.4	22.7	26.5	23.5	17.4
45°	7.6	11.4	17.4	11.4	7.6
47.5°	3.0	4.5	10.6	4.5	3.0
50°	3.0	2.3	5.3	2.3	2.3
52.5°	2.3	2.3	3.0	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	1.5	2.3	2.3	2.3	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	0.8	1.5	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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)