

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: P1313472

Luminaire Tested: P3SQAS13R559730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

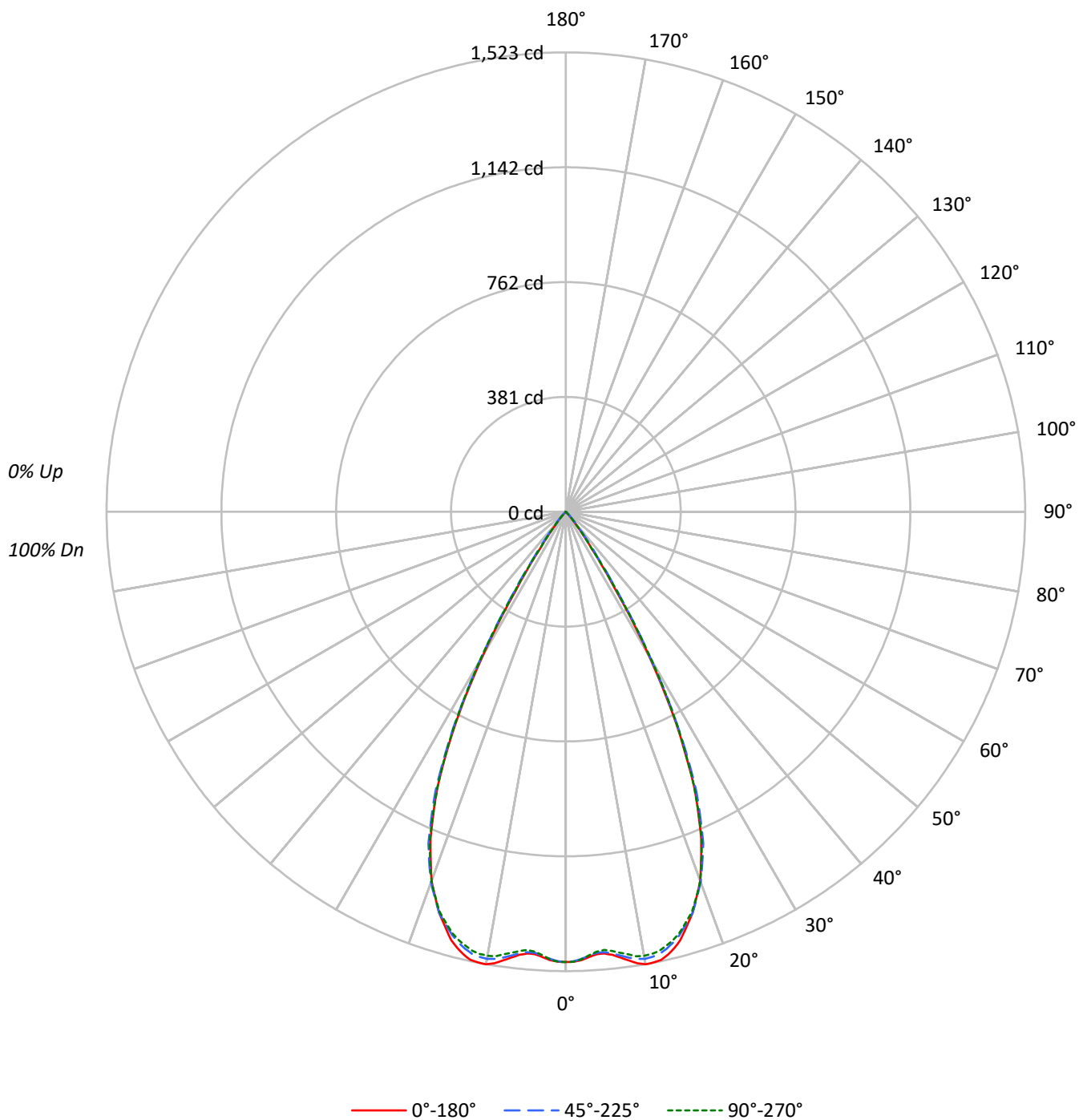
Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89		
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84		
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80		
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75		
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71		
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	67		
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64		
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61		
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	257111	257111	257111
5°	254186	253426	252077
10°	266411	263211	261392
15°	261991	259192	258265
20°	238643	239596	238790
25°	191452	194435	191452
30°	109873	112657	113512
35°	31327	37739	32252
40°	8026	11556	8228
45°	852	4043	633
50°	0	697	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: 4043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	12.5
10°-20°	404.5	35.6
20°-30°	445.5	39.3
30°-40°	133.0	11.7
40°-50°	10.2	0.9
50°-60°	0.1	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°	991.7	87.4
0°-40°	1124.7	99.1
0°-60°	1135.0	100.0
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1493	1493	1493	1493	1493	
5°	1470	1468	1466	1460	1458	143
15°	1469	1459	1454	1448	1448	407
25°	1008	1008	1023	1021	1008	441
35°	149	159	180	164	153	123
45°	4	9	17	9	3	7
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°	1492.9	1492.9	1492.9	1492.9	1492.9
1°	1492.0	1492.0	1490.3	1489.4	1492.0
2°	1487.7	1487.7	1483.3	1482.5	1485.1
3°	1478.1	1477.2	1473.7	1471.1	1472.9
4°	1470.3	1468.5	1465.9	1461.5	1462.4
5°	1470.3	1467.6	1465.9	1459.8	1458.1
6°	1477.2	1475.5	1472.0	1465.9	1464.2
7°	1489.4	1485.9	1482.5	1474.6	1472.9
8°	1502.5	1499.9	1492.9	1485.1	1481.6
9°	1515.6	1509.5	1500.8	1492.9	1492.0
10°	1523.4	1514.7	1505.1	1495.5	1494.7
11°	1522.5	1514.7	1503.4	1494.7	1493.8
12°	1519.1	1507.7	1498.1	1487.7	1488.6
13°	1506.9	1496.4	1486.8	1479.0	1477.2
14°	1490.3	1480.7	1472.0	1464.2	1465.0
15°	1469.4	1458.9	1453.7	1447.6	1448.5
17.5°	1395.3	1392.7	1395.3	1388.3	1390.9
20°	1302.1	1299.4	1307.3	1303.8	1302.9
22.5°	1172.2	1175.7	1190.5	1186.1	1178.3
25°	1007.5	1007.5	1023.2	1021.4	1007.5
27.5°	793.1	799.2	808.8	813.1	802.7
30°	552.5	566.5	566.5	575.2	570.8
32.5°	308.5	338.2	345.1	349.5	332.0
35°	149.0	158.6	179.5	163.8	153.4
37.5°	71.5	75.8	96.7	78.4	73.2
40°	35.7	41.0	51.4	42.7	36.6
42.5°	14.8	21.8	27.0	21.8	14.8
45°	3.5	8.7	16.6	8.7	2.6
47.5°	0.0	0.9	7.8	1.7	0.0
50°	0.0	0.0	2.6	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)