

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: P1315346

Luminaire Tested: P3SQAS13R259740DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259740DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

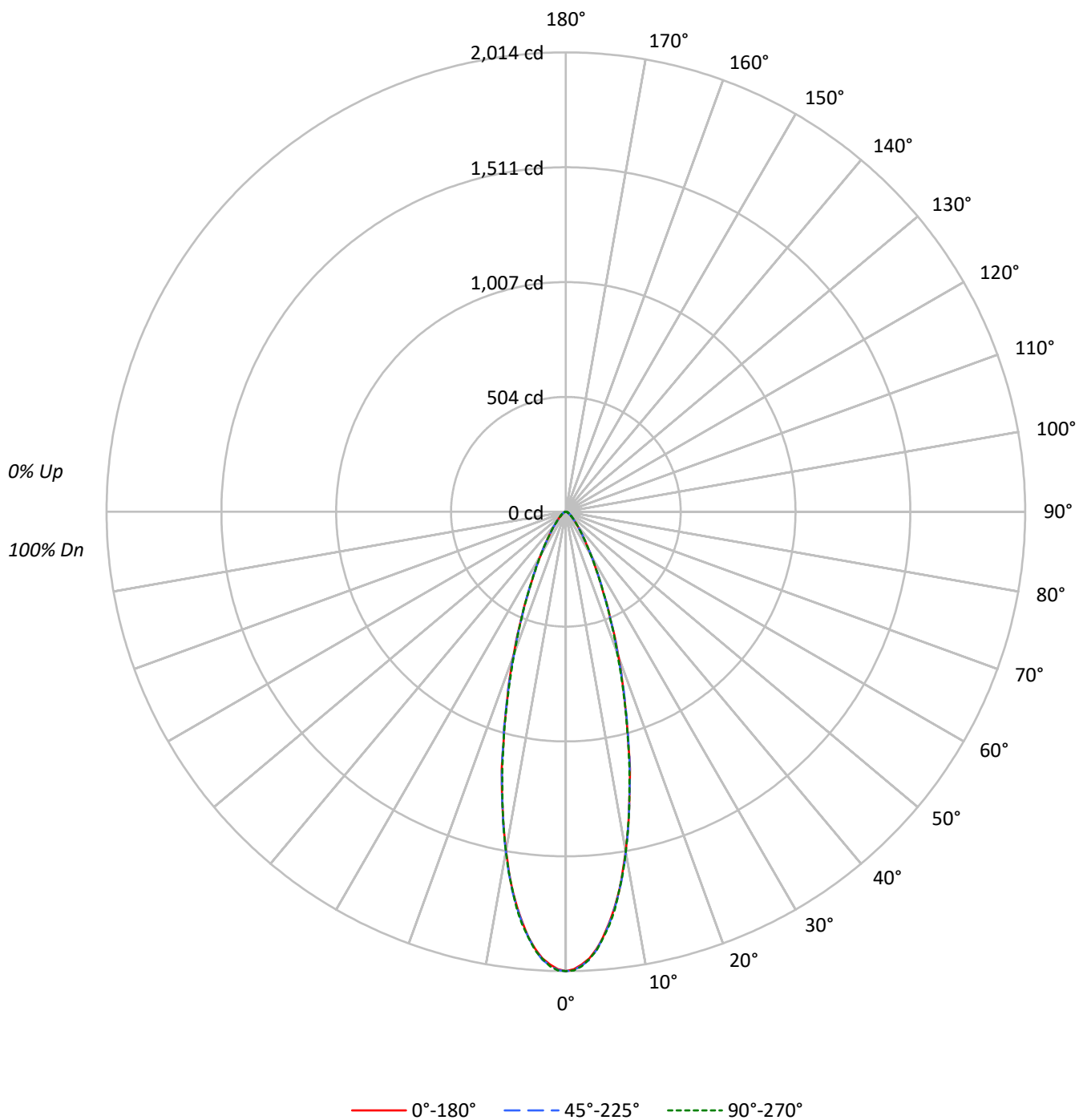
Lumens per Lamp: N/A
Luminaire Lumens: 807.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	346874	346874	346874
5°	323753	324082	324255
10°	264085	264907	264907
15°	188621	189620	188621
20°	123436	122245	120504
25°	73388	73749	73388
30°	44208	44208	44029
35°	26932	27143	26932
40°	17154	17356	17356
45°	11934	11934	11934
50°	8574	8842	8842
55°	6786	6786	7086
60°	5511	5856	5856
65°	4972	4972	4972
70°	4280	4280	4733
75°	3793	3793	4392
80°	3769	3769	3769
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	20.7
10°-20°	291.7	36.2
20°-30°	183.4	22.7
30°-40°	83.9	10.4
40°-50°	39.2	4.9
50°-60°	21.1	2.6
60°-70°	12.4	1.5
70°-80°	6.5	0.8
80°-90°	1.4	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°	642.5	79.6
0°-40°	726.4	90.0
0°-60°	786.7	97.5
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2014	2014	2014	2014	2014	
5°	1873	1876	1875	1876	1876	167
15°	1058	1064	1064	1065	1058	292
25°	386	391	388	388	386	184
35°	128	128	129	129	128	84
45°	49	49	49	49	49	39
55°	23	23	23	24	24	21
65°	12	12	12	12	12	12
75°	6	6	6	7	7	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.1	2014.1	2014.1	2014.1	2014.1
1°	2005.6	2007.5	2009.3	2012.2	2011.2
2°	1986.7	1990.5	1991.4	1995.2	1994.3
3°	1961.3	1960.4	1967.9	1967.9	1963.2
4°	1921.7	1923.6	1925.5	1927.4	1928.3
5°	1872.7	1876.5	1874.6	1876.5	1875.6
6°	1812.5	1818.1	1817.2	1819.1	1821.9
7°	1748.4	1752.2	1752.2	1750.3	1757.8
8°	1678.7	1675.9	1680.6	1678.7	1677.7
9°	1595.8	1601.4	1602.4	1597.7	1599.6
10°	1510.1	1513.8	1514.8	1517.6	1514.8
11°	1425.3	1425.3	1427.2	1431.9	1424.3
12°	1333.0	1341.4	1333.0	1336.7	1333.0
13°	1245.4	1247.2	1245.4	1244.4	1237.8
14°	1162.5	1155.9	1157.8	1150.2	1151.2
15°	1057.9	1064.5	1063.5	1065.4	1057.9
17.5°	850.6	854.4	853.5	851.6	842.2
20°	673.5	673.5	667.0	663.2	657.5
22.5°	514.3	512.5	509.6	506.8	508.7
25°	386.2	390.9	388.1	388.1	386.2
27.5°	292.0	297.7	293.0	290.1	292.0
30°	222.3	224.2	222.3	221.4	221.4
32.5°	167.7	168.6	167.7	167.7	167.7
35°	128.1	128.1	129.1	129.1	128.1
37.5°	98.9	98.9	98.9	98.9	99.9
40°	76.3	77.2	77.2	77.2	77.2
42.5°	60.3	61.2	61.2	61.2	61.2
45°	49.0	49.0	49.0	49.0	49.0
47.5°	39.6	39.6	39.6	39.6	40.5
50°	32.0	33.0	33.0	33.0	33.0
52.5°	27.3	27.3	27.3	27.3	27.3
55°	22.6	22.6	22.6	23.6	23.6
57.5°	18.8	18.8	19.8	19.8	19.8
60°	16.0	17.0	17.0	17.0	17.0
62.5°	14.1	14.1	15.1	15.1	15.1
65°	12.2	12.2	12.2	12.2	12.2
67.5°	10.4	10.4	10.4	10.4	11.3
70°	8.5	8.5	8.5	9.4	9.4
72.5°	7.5	7.5	7.5	7.5	7.5
75°	5.7	5.7	5.7	6.6	6.6
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	1.9	1.9	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	0.9
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)