

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: P1313419

Luminaire Tested: P3SQAS13R309730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

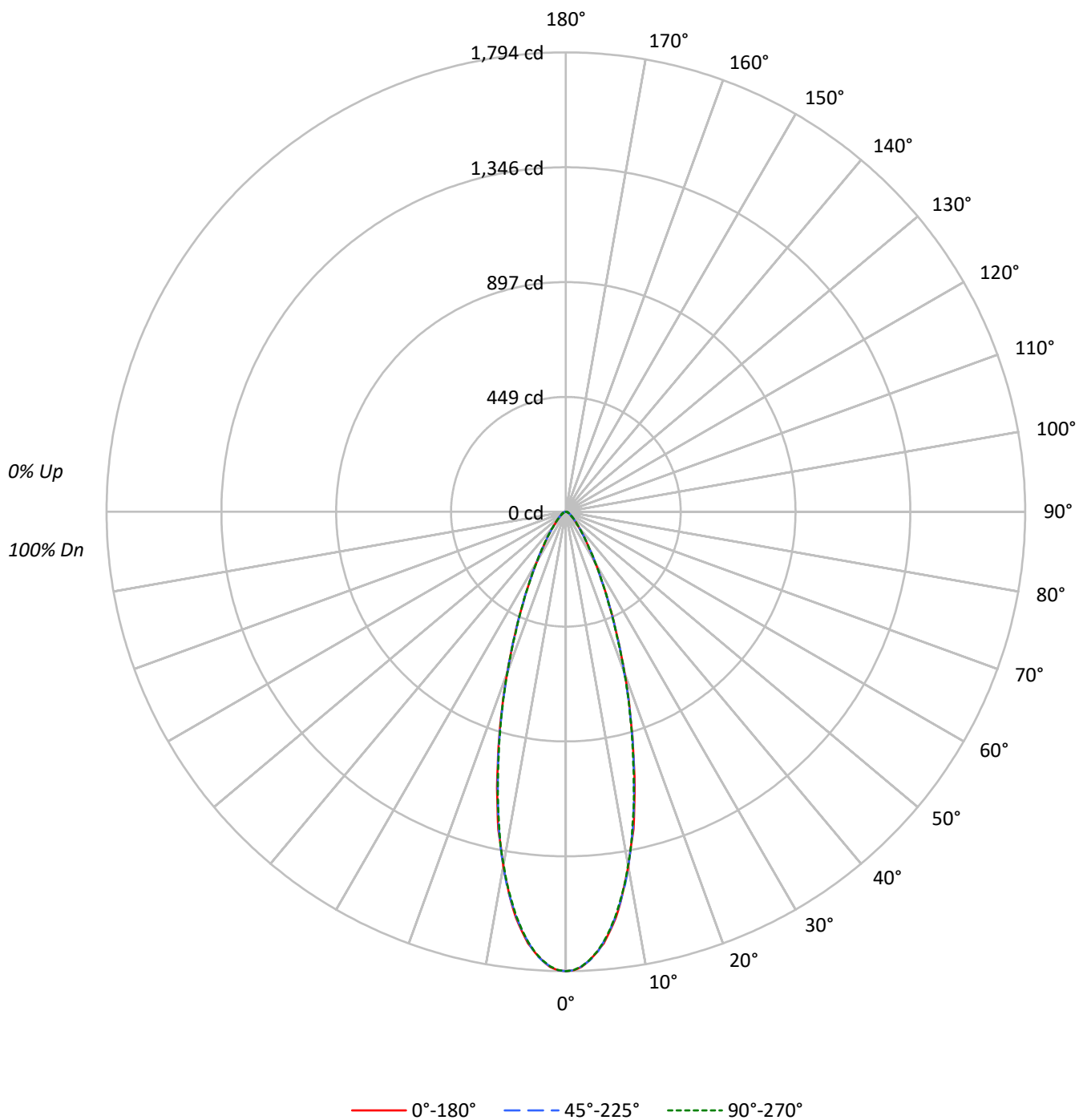
Lumens per Lamp: N/A
Luminaire Lumens: 788.0 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	309019	309019	309019
5°	292566	291805	291649
10°	245776	245776	244866
15°	183112	182648	181561
20°	122556	121915	122080
25°	75555	75384	75707
30°	45421	45421	45600
35°	27857	27857	28047
40°	17648	17648	18031
45°	12105	12324	12324
50°	8869	8869	8869
55°	6816	7056	7056
60°	5718	5718	5993
65°	4972	4972	4972
70°	4381	4834	4834
75°	4059	4059	4059
80°	3471	3471	3471
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12324 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	19.3
10°-20°	280.9	35.6
20°-30°	186.7	23.7
30°-40°	86.3	11.0
40°-50°	40.1	5.1
50°-60°	21.4	2.7
60°-70°	12.5	1.6
70°-80°	6.6	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°	619.7	78.6
0°-40°	706.0	89.6
0°-60°	767.5	97.4
0°-90°	788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1794	1794	1794	1794	1794	
5°	1692	1689	1688	1692	1687	152
15°	1027	1030	1024	1024	1018	282
25°	398	397	397	397	398	187
35°	132	132	132	133	133	86
45°	50	50	51	51	51	40
55°	23	24	24	24	24	21
65°	12	12	12	12	12	12
75°	6	6	6	6	6	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°	1794.3	1794.3	1794.3	1794.3	1794.3
1°	1790.8	1789.0	1790.8	1793.4	1789.9
2°	1778.6	1776.8	1776.8	1780.3	1776.8
3°	1755.0	1756.8	1755.9	1759.4	1753.3
4°	1725.4	1724.5	1728.0	1729.8	1724.5
5°	1692.3	1688.8	1687.9	1692.3	1687.0
6°	1646.9	1644.3	1642.6	1647.8	1640.8
7°	1598.1	1596.4	1593.8	1595.5	1590.3
8°	1538.0	1537.1	1535.3	1537.1	1531.0
9°	1470.8	1470.8	1474.3	1473.4	1469.9
10°	1405.4	1407.2	1405.4	1407.2	1400.2
11°	1332.2	1332.2	1333.9	1333.1	1333.9
12°	1268.5	1261.6	1259.8	1258.1	1252.9
13°	1186.6	1181.4	1179.6	1181.4	1178.7
14°	1111.6	1108.1	1099.4	1101.2	1097.7
15°	1027.0	1030.5	1024.4	1024.4	1018.3
17.5°	839.6	836.1	837.9	838.7	836.1
20°	668.7	667.0	665.2	663.5	666.1
22.5°	519.6	520.5	518.8	517.0	515.3
25°	397.6	396.7	396.7	396.7	398.4
27.5°	301.7	301.7	301.7	302.5	302.5
30°	228.4	226.7	228.4	229.3	229.3
32.5°	170.9	172.6	173.5	173.5	173.5
35°	132.5	131.7	132.5	133.4	133.4
37.5°	101.1	101.1	102.0	102.0	102.9
40°	78.5	78.5	78.5	79.3	80.2
42.5°	61.9	61.9	62.8	62.8	63.6
45°	49.7	49.7	50.6	50.6	50.6
47.5°	40.1	40.1	41.0	41.0	41.0
50°	33.1	33.1	33.1	33.1	33.1
52.5°	27.9	27.0	27.9	27.9	27.9
55°	22.7	23.5	23.5	23.5	23.5
57.5°	19.2	20.1	20.1	20.1	20.1
60°	16.6	16.6	16.6	17.4	17.4
62.5°	13.9	14.8	14.8	14.8	14.8
65°	12.2	12.2	12.2	12.2	12.2
67.5°	10.5	10.5	10.5	10.5	11.3
70°	8.7	8.7	9.6	9.6	9.6
72.5°	7.8	7.8	7.8	7.8	7.8
75°	6.1	6.1	6.1	6.1	6.1
77.5°	4.4	4.4	5.2	5.2	4.4
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.6	2.6	2.6	2.6	2.6
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)