

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: P1312447

Luminaire Tested: P3SQAS13R309727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312447
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: P3SQAS13R309727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

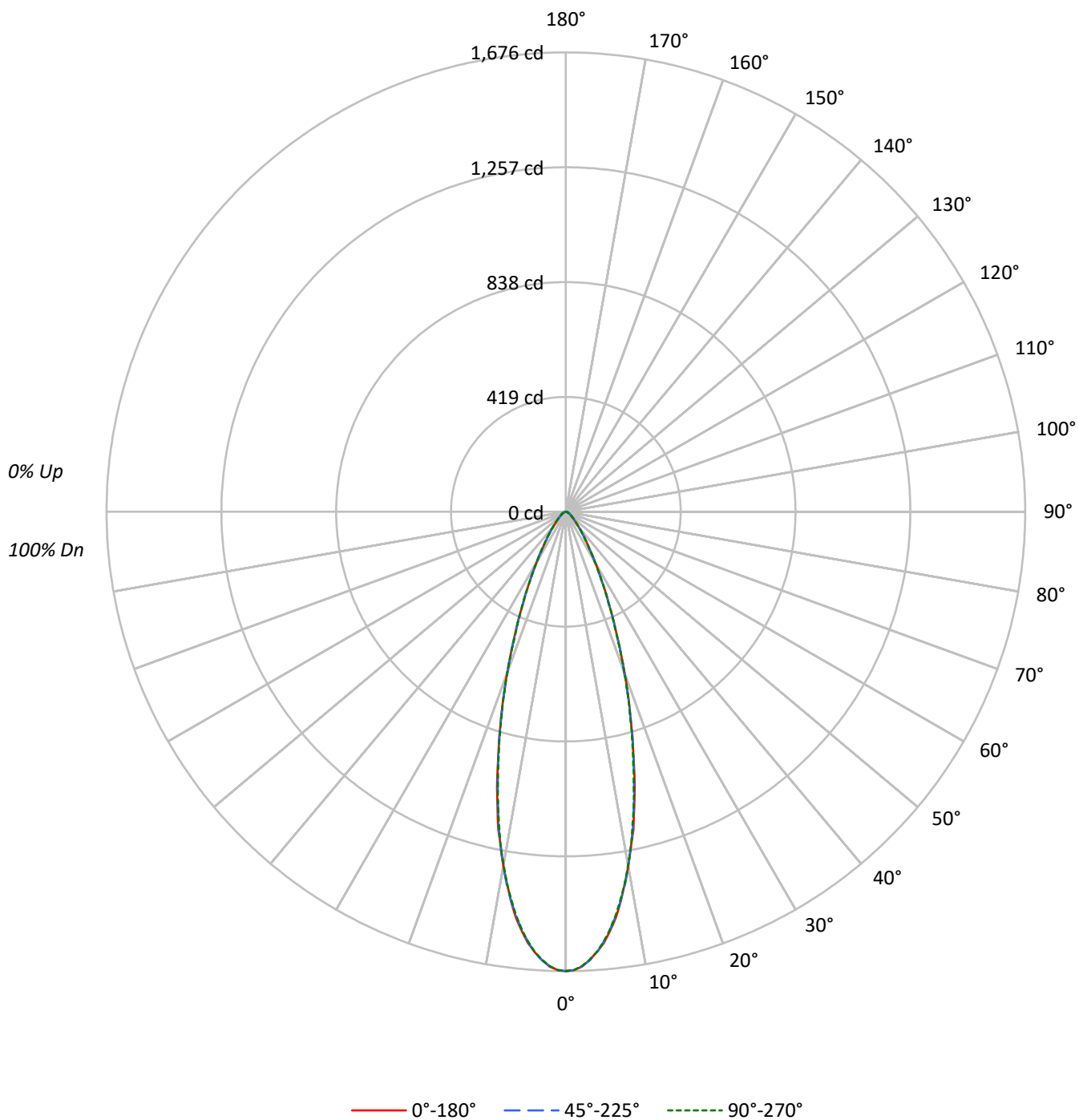
Lumens per Lamp: N/A
Luminaire Lumens: 736.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	288628	288628	288628
5°	273255	272546	272408
10°	229564	229564	228707
15°	171041	170596	169579
20°	114474	113869	114016
25°	70557	70405	70709
30°	42438	42438	42597
35°	26028	26028	26197
40°	16479	16479	16839
45°	11301	11496	11496
50°	8279	8279	8279
55°	6366	6606	6606
60°	5339	5339	5614
65°	4646	4646	4646
70°	4079	4532	4532
75°	3793	3793	3793
80°	3273	3273	3273
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 11496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	19.3
10°-20°	262.3	35.6
20°-30°	174.4	23.7
30°-40°	80.6	11.0
40°-50°	37.4	5.1
50°-60°	20.0	2.7
60°-70°	11.7	1.6
70°-80°	6.2	0.8
80°-90°	1.3	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°	578.8	78.6
0°-40°	659.4	89.6
0°-60°	716.8	97.4
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1581	1577	1576	1581	1576	142
15°	959	962	957	957	951	263
25°	371	370	370	370	372	175
35°	124	123	124	125	125	80
45°	46	46	47	47	47	37
55°	21	22	22	22	22	20
65°	11	11	11	11	11	11
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°	1675.9	1675.9	1675.9	1675.9	1675.9
1°	1672.6	1671.0	1672.6	1675.1	1671.8
2°	1661.2	1659.6	1659.6	1662.8	1659.6
3°	1639.2	1640.9	1640.0	1643.3	1637.6
4°	1611.5	1610.7	1614.0	1615.6	1610.7
5°	1580.6	1577.3	1576.5	1580.6	1575.7
6°	1538.3	1535.8	1534.2	1539.1	1532.6
7°	1492.7	1491.0	1488.6	1490.2	1485.3
8°	1436.5	1435.6	1434.0	1435.6	1429.9
9°	1373.8	1373.8	1377.0	1376.2	1372.9
10°	1312.7	1314.3	1312.7	1314.3	1307.8
11°	1244.3	1244.3	1245.9	1245.1	1245.9
12°	1184.8	1178.3	1176.7	1175.1	1170.2
13°	1108.3	1103.4	1101.8	1103.4	1101.0
14°	1038.3	1035.0	1026.9	1028.5	1025.2
15°	959.3	962.5	956.8	956.8	951.1
17.5°	784.2	780.9	782.6	783.4	780.9
20°	624.6	623.0	621.3	619.7	622.1
22.5°	485.3	486.2	484.5	482.9	481.3
25°	371.3	370.5	370.5	370.5	372.1
27.5°	281.8	281.8	281.8	282.6	282.6
30°	213.4	211.7	213.4	214.2	214.2
32.5°	159.6	161.2	162.1	162.1	162.1
35°	123.8	123.0	123.8	124.6	124.6
37.5°	94.5	94.5	95.3	95.3	96.1
40°	73.3	73.3	73.3	74.1	74.9
42.5°	57.8	57.8	58.6	58.6	59.4
45°	46.4	46.4	47.2	47.2	47.2
47.5°	37.5	37.5	38.3	38.3	38.3
50°	30.9	30.9	30.9	30.9	30.9
52.5°	26.1	25.2	26.1	26.1	26.1
55°	21.2	22.0	22.0	22.0	22.0
57.5°	17.9	18.7	18.7	18.7	18.7
60°	15.5	15.5	15.5	16.3	16.3
62.5°	13.0	13.8	13.8	13.8	13.8
65°	11.4	11.4	11.4	11.4	11.4
67.5°	9.8	9.8	9.8	9.8	10.6
70°	8.1	8.1	9.0	9.0	9.0
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.7	5.7	5.7	5.7	5.7
77.5°	4.1	4.1	4.9	4.9	4.1
80°	3.3	3.3	3.3	3.3	3.3
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8
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)