

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: P1312428

Luminaire Tested: P3SQAS13R259727DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312428
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: P3SQAS13R259727DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

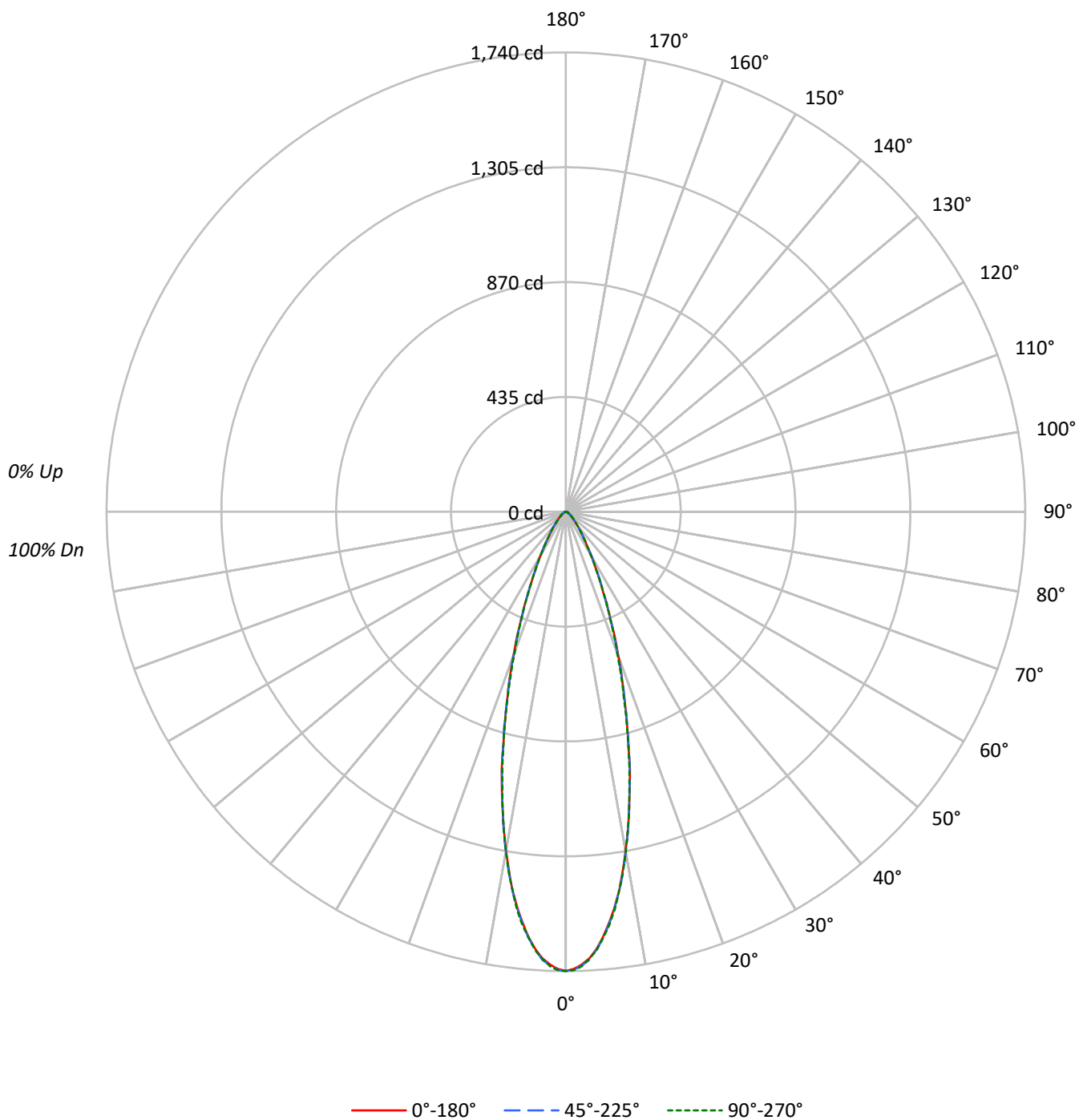
Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	299581	299581	299581
5°	279634	279911	280049
10°	228078	228795	228795
15°	162911	163785	162911
20°	106611	105567	104082
25°	63393	63697	63393
30°	38182	38182	38023
35°	23274	23442	23274
40°	14816	14996	14996
45°	10303	10303	10303
50°	7422	7636	7636
55°	5855	5855	6095
60°	4753	5029	5029
65°	4320	4320	4320
70°	3676	3676	4079
75°	3261	3261	3793
80°	3273	3273	3273
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	20.7
10°-20°	252.0	36.2
20°-30°	158.4	22.7
30°-40°	72.5	10.4
40°-50°	33.9	4.9
50°-60°	18.2	2.6
60°-70°	10.7	1.5
70°-80°	5.6	0.8
80°-90°	1.2	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°	554.9	79.6
0°-40°	627.4	90.0
0°-60°	679.4	97.5
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1740	1740	1740	1740	1740	
5°	1618	1621	1619	1621	1620	144
15°	914	919	919	920	914	252
25°	334	338	335	335	334	159
35°	111	111	112	112	111	72
45°	42	42	42	42	42	34
55°	20	20	20	20	20	18
65°	11	11	11	11	11	10
75°	5	5	5	6	6	5
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°	1739.5	1739.5	1739.5	1739.5	1739.5
1°	1732.2	1733.8	1735.5	1737.9	1737.1
2°	1715.9	1719.2	1720.0	1723.2	1722.4
3°	1694.0	1693.1	1699.7	1699.7	1695.6
4°	1659.8	1661.4	1663.0	1664.7	1665.5
5°	1617.5	1620.7	1619.1	1620.7	1619.9
6°	1565.4	1570.3	1569.5	1571.1	1573.5
7°	1510.1	1513.3	1513.3	1511.7	1518.2
8°	1449.9	1447.4	1451.5	1449.9	1449.1
9°	1378.3	1383.2	1384.0	1379.9	1381.5
10°	1304.2	1307.5	1308.3	1310.7	1308.3
11°	1231.0	1231.0	1232.6	1236.7	1230.2
12°	1151.3	1158.6	1151.3	1154.5	1151.3
13°	1075.6	1077.2	1075.6	1074.8	1069.1
14°	1004.0	998.3	999.9	993.4	994.2
15°	913.7	919.4	918.6	920.2	913.7
17.5°	734.7	738.0	737.1	735.5	727.4
20°	581.7	581.7	576.0	572.8	567.9
22.5°	444.2	442.6	440.2	437.7	439.4
25°	333.6	337.7	335.2	335.2	333.6
27.5°	252.2	257.1	253.0	250.6	252.2
30°	192.0	193.6	192.0	191.2	191.2
32.5°	144.8	145.6	144.8	144.8	144.8
35°	110.7	110.7	111.5	111.5	110.7
37.5°	85.4	85.4	85.4	85.4	86.2
40°	65.9	66.7	66.7	66.7	66.7
42.5°	52.1	52.9	52.9	52.9	52.9
45°	42.3	42.3	42.3	42.3	42.3
47.5°	34.2	34.2	34.2	34.2	35.0
50°	27.7	28.5	28.5	28.5	28.5
52.5°	23.6	23.6	23.6	23.6	23.6
55°	19.5	19.5	19.5	20.3	20.3
57.5°	16.3	16.3	17.1	17.1	17.1
60°	13.8	14.6	14.6	14.6	14.6
62.5°	12.2	12.2	13.0	13.0	13.0
65°	10.6	10.6	10.6	10.6	10.6
67.5°	8.9	8.9	8.9	8.9	9.8
70°	7.3	7.3	7.3	8.1	8.1
72.5°	6.5	6.5	6.5	6.5	6.5
75°	4.9	4.9	4.9	5.7	5.7
77.5°	4.1	4.1	4.1	4.1	4.1
80°	3.3	3.3	3.3	3.3	3.3
82.5°	1.6	1.6	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)