

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: P1316231

Luminaire Tested: P3SQAS13R259827DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316231
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: P3SQAS13R259827DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

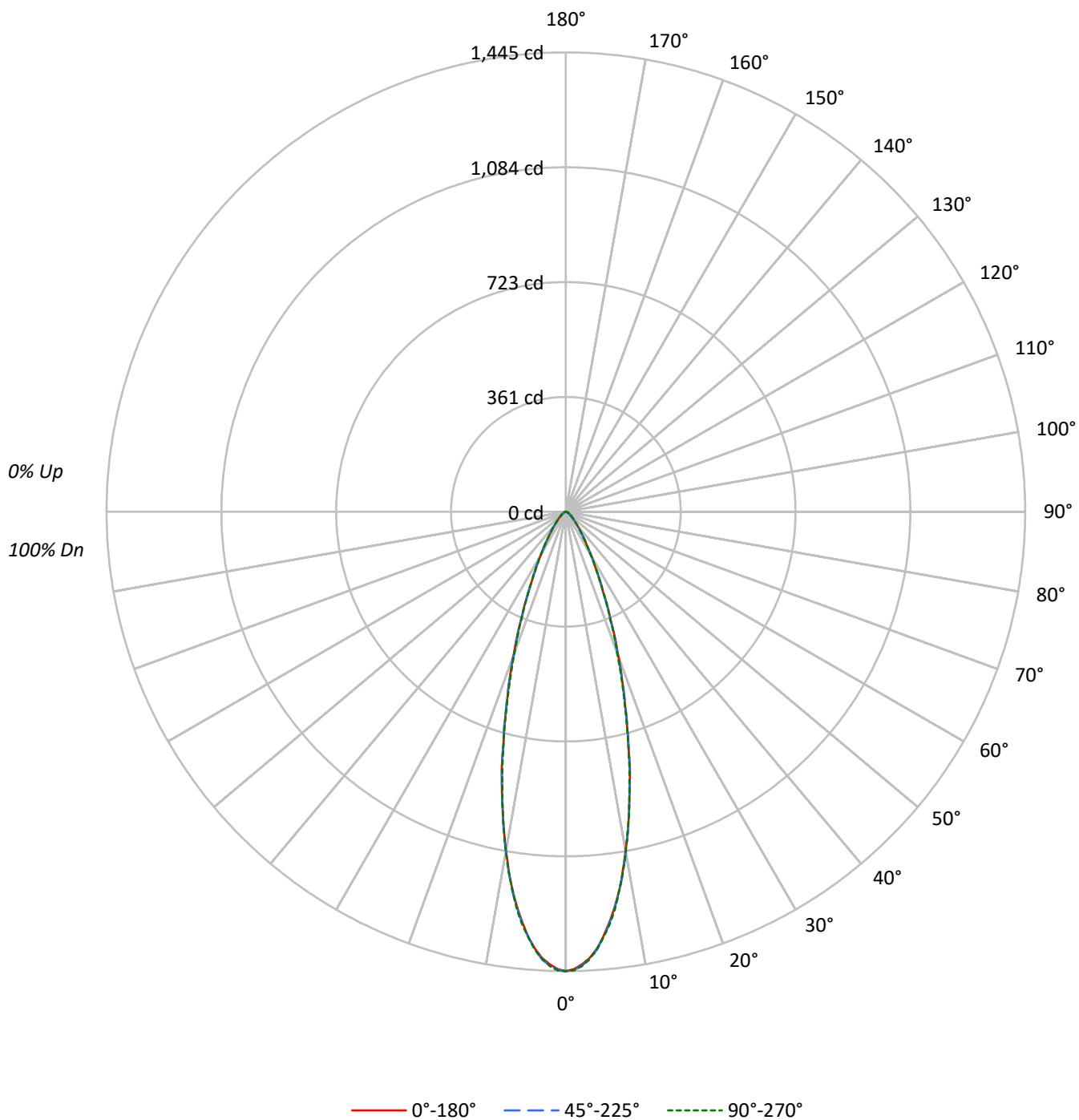
Lumens per Lamp: N/A
Luminaire Lumens: 579.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	248862	248862	248862
5°	232282	232524	232645
10°	189464	190059	190059
15°	135328	136059	135328
20°	88577	87697	86469
25°	52656	52922	52656
30°	31719	31719	31580
35°	19322	19469	19322
40°	12298	12455	12455
45°	8549	8549	8549
50°	6162	6350	6350
55°	4864	4864	5074
60°	3961	4202	4202
65°	3586	3586	3586
70°	3072	3072	3424
75°	2728	2728	3127
80°	2678	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	20.7
10°-20°	209.3	36.1
20°-30°	131.6	22.7
30°-40°	60.2	10.4
40°-50°	28.1	4.9
50°-60°	15.1	2.6
60°-70°	8.9	1.5
70°-80°	4.7	0.8
80°-90°	1.0	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°	461.0	79.6
0°-40°	521.2	90.0
0°-60°	564.4	97.5
0°-90°	579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1344	1346	1345	1346	1346	120
15°	759	764	763	764	759	209
25°	277	280	278	278	277	132
35°	92	92	93	93	92	60
45°	35	35	35	35	35	28
55°	16	16	16	17	17	15
65°	9	9	9	9	9	9
75°	4	4	4	5	5	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°	1445.0	1445.0	1445.0	1445.0	1445.0
1°	1438.9	1440.3	1441.6	1443.7	1443.0
2°	1425.4	1428.1	1428.8	1431.5	1430.8
3°	1407.2	1406.5	1411.9	1411.9	1408.5
4°	1378.8	1380.1	1381.5	1382.8	1383.5
5°	1343.6	1346.3	1345.0	1346.3	1345.7
6°	1300.4	1304.4	1303.8	1305.1	1307.1
7°	1254.4	1257.1	1257.1	1255.8	1261.2
8°	1204.4	1202.4	1205.8	1204.4	1203.7
9°	1144.9	1149.0	1149.7	1146.3	1147.6
10°	1083.4	1086.1	1086.8	1088.8	1086.8
11°	1022.6	1022.6	1024.0	1027.3	1021.9
12°	956.4	962.4	956.4	959.1	956.4
13°	893.5	894.9	893.5	892.8	888.1
14°	834.0	829.3	830.7	825.2	825.9
15°	759.0	763.7	763.1	764.4	759.0
17.5°	610.3	613.0	612.3	611.0	604.2
20°	483.3	483.3	478.5	475.8	471.8
22.5°	369.0	367.7	365.6	363.6	365.0
25°	277.1	280.5	278.5	278.5	277.1
27.5°	209.5	213.6	210.2	208.2	209.5
30°	159.5	160.9	159.5	158.8	158.8
32.5°	120.3	121.0	120.3	120.3	120.3
35°	91.9	91.9	92.6	92.6	91.9
37.5°	71.0	71.0	71.0	71.0	71.6
40°	54.7	55.4	55.4	55.4	55.4
42.5°	43.3	43.9	43.9	43.9	43.9
45°	35.1	35.1	35.1	35.1	35.1
47.5°	28.4	28.4	28.4	28.4	29.1
50°	23.0	23.7	23.7	23.7	23.7
52.5°	19.6	19.6	19.6	19.6	19.6
55°	16.2	16.2	16.2	16.9	16.9
57.5°	13.5	13.5	14.2	14.2	14.2
60°	11.5	12.2	12.2	12.2	12.2
62.5°	10.1	10.1	10.8	10.8	10.8
65°	8.8	8.8	8.8	8.8	8.8
67.5°	7.4	7.4	7.4	7.4	8.1
70°	6.1	6.1	6.1	6.8	6.8
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.1	4.1	4.1	4.7	4.7
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.4	1.4	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
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)