

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: P1316250

Luminaire Tested: P3SQAS13R309827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316250
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: P3SQAS13R309827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

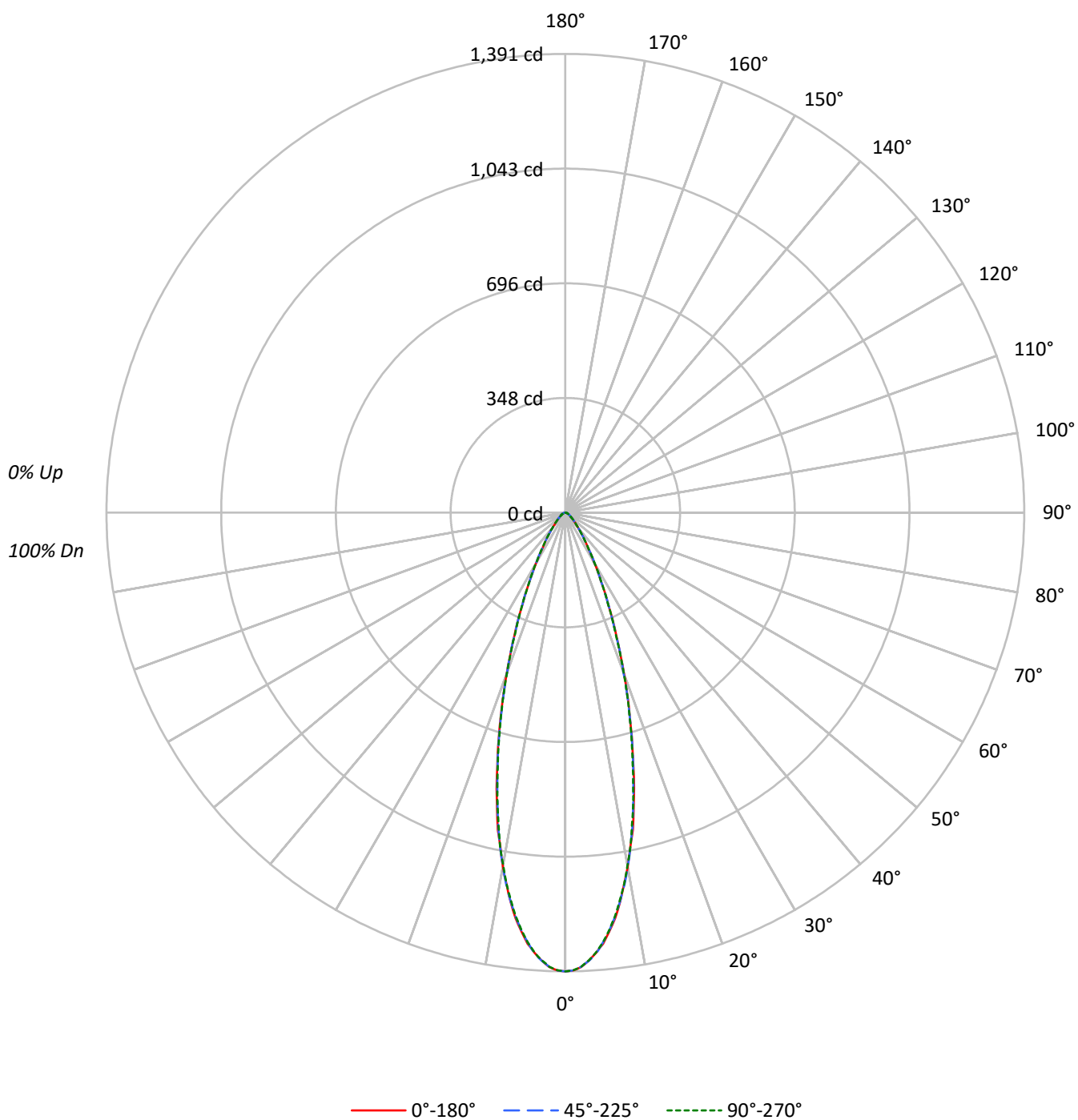
Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	239596	239596	239596
5°	226854	226266	226145
10°	190566	190566	189867
15°	141997	141622	140784
20°	95028	94534	94662
25°	58585	58452	58699
30°	35219	35219	35358
35°	21613	21613	21739
40°	13669	13669	13984
45°	9377	9548	9548
50°	6886	6886	6886
55°	5285	5495	5495
60°	4409	4409	4650
65°	3871	3871	3871
70°	3424	3726	3726
75°	3127	3127	3127
80°	2678	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	19.3
10°-20°	217.8	35.6
20°-30°	144.8	23.7
30°-40°	66.9	11.0
40°-50°	31.1	5.1
50°-60°	16.6	2.7
60°-70°	9.7	1.6
70°-80°	5.1	0.8
80°-90°	1.1	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°	480.5	78.6
0°-40°	547.4	89.6
0°-60°	595.1	97.4
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1312	1310	1309	1312	1308	118
15°	796	799	794	794	790	218
25°	308	308	308	308	309	145
35°	103	102	103	103	103	67
45°	38	38	39	39	39	31
55°	18	18	18	18	18	16
65°	10	10	10	10	10	9
75°	5	5	5	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°	1391.2	1391.2	1391.2	1391.2	1391.2
1°	1388.5	1387.2	1388.5	1390.6	1387.9
2°	1379.1	1377.7	1377.7	1380.4	1377.7
3°	1360.8	1362.2	1361.5	1364.2	1359.5
4°	1337.8	1337.2	1339.9	1341.2	1337.2
5°	1312.2	1309.5	1308.8	1312.2	1308.1
6°	1277.0	1275.0	1273.6	1277.7	1272.3
7°	1239.1	1237.8	1235.8	1237.1	1233.1
8°	1192.5	1191.8	1190.5	1191.8	1187.1
9°	1140.4	1140.4	1143.1	1142.5	1139.8
10°	1089.7	1091.1	1089.7	1091.1	1085.7
11°	1033.0	1033.0	1034.3	1033.6	1034.3
12°	983.6	978.2	976.8	975.5	971.4
13°	920.1	916.0	914.7	916.0	914.0
14°	861.9	859.2	852.5	853.8	851.1
15°	796.4	799.1	794.3	794.3	789.6
17.5°	651.0	648.3	649.7	650.3	648.3
20°	518.5	517.2	515.8	514.5	516.5
22.5°	402.9	403.6	402.2	400.9	399.5
25°	308.3	307.6	307.6	307.6	308.9
27.5°	233.9	233.9	233.9	234.6	234.6
30°	177.1	175.8	177.1	177.8	177.8
32.5°	132.5	133.9	134.5	134.5	134.5
35°	102.8	102.1	102.8	103.4	103.4
37.5°	78.4	78.4	79.1	79.1	79.8
40°	60.8	60.8	60.8	61.5	62.2
42.5°	48.0	48.0	48.7	48.7	49.3
45°	38.5	38.5	39.2	39.2	39.2
47.5°	31.1	31.1	31.8	31.8	31.8
50°	25.7	25.7	25.7	25.7	25.7
52.5°	21.6	21.0	21.6	21.6	21.6
55°	17.6	18.3	18.3	18.3	18.3
57.5°	14.9	15.5	15.5	15.5	15.5
60°	12.8	12.8	12.8	13.5	13.5
62.5°	10.8	11.5	11.5	11.5	11.5
65°	9.5	9.5	9.5	9.5	9.5
67.5°	8.1	8.1	8.1	8.1	8.8
70°	6.8	6.8	7.4	7.4	7.4
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.4	3.4	4.1	4.1	3.4
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.0	2.0	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)