

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: P1312262

Luminaire Tested: P3SQAS09R259727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312262
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: P3SQAS09R259727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

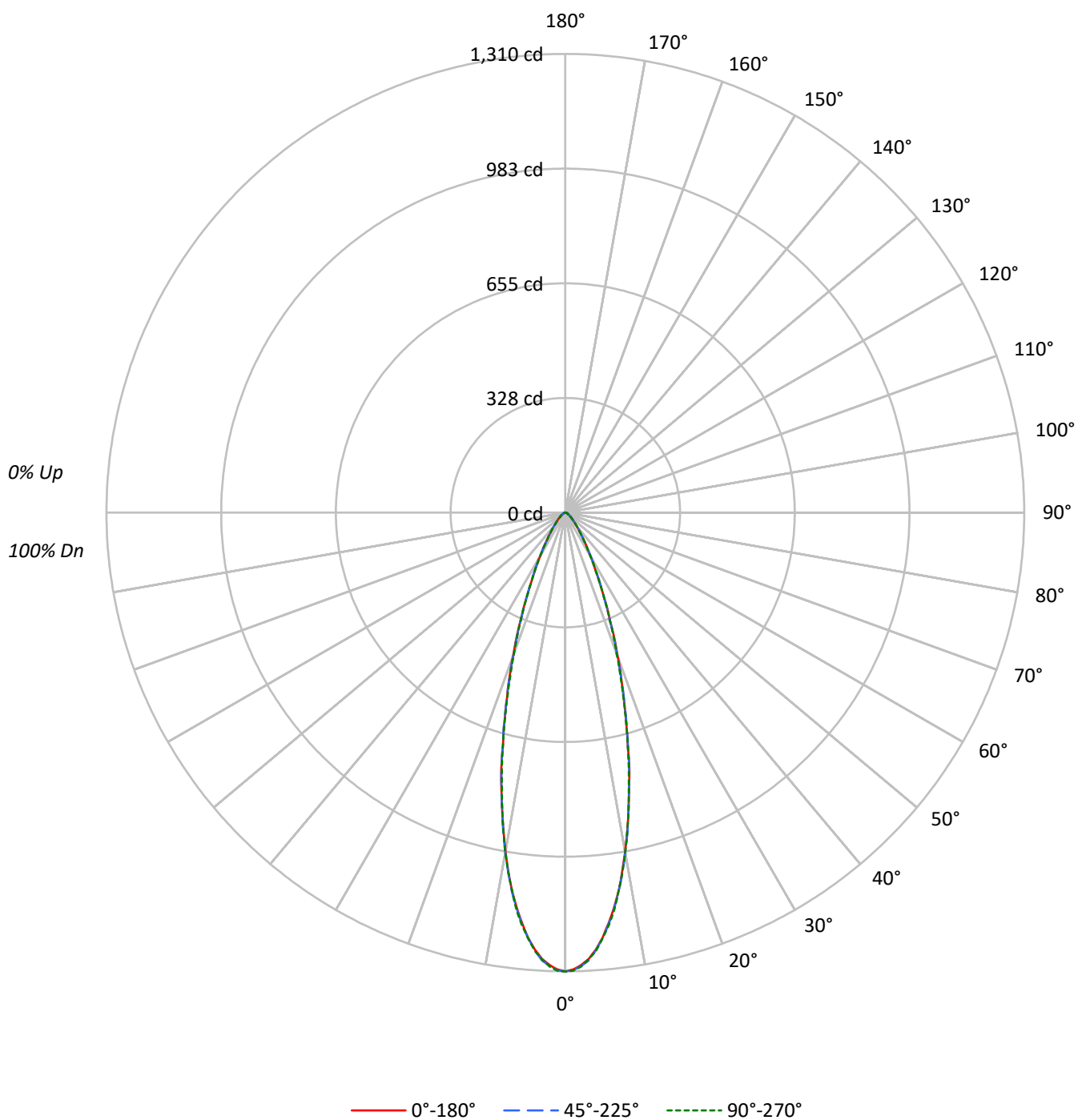
Lumens per Lamp: N/A
Luminaire Lumens: 525.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	225663	225663	225663
5°	210620	210845	210949
10°	171802	172344	172344
15°	122705	123364	122705
20°	80311	79523	78405
25°	47754	47982	47754
30°	28756	28756	28637
35°	17513	17661	17513
40°	11151	11308	11308
45°	7770	7770	7770
50°	5573	5734	5734
55°	4414	4414	4594
60°	3582	3789	3789
65°	3260	3260	3260
70°	2769	2769	3072
75°	2462	2462	2861
80°	2479	2479	2479
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	20.7
10°-20°	189.8	36.2
20°-30°	119.3	22.7
30°-40°	54.6	10.4
40°-50°	25.5	4.9
50°-60°	13.7	2.6
60°-70°	8.1	1.5
70°-80°	4.2	0.8
80°-90°	0.9	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°	418.0	79.6
0°-40°	472.6	90.0
0°-60°	511.8	97.5
0°-90°	525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1218	1221	1220	1221	1220	109
15°	688	692	692	693	688	190
25°	251	254	252	252	251	120
35°	83	83	84	84	83	54
45°	32	32	32	32	32	25
55°	15	15	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
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°	1310.3	1310.3	1310.3	1310.3	1310.3
1°	1304.7	1306.0	1307.2	1309.0	1308.4
2°	1292.5	1294.9	1295.5	1298.0	1297.4
3°	1275.9	1275.3	1280.2	1280.2	1277.2
4°	1250.2	1251.4	1252.6	1253.9	1254.5
5°	1218.3	1220.8	1219.6	1220.8	1220.2
6°	1179.1	1182.8	1182.2	1183.4	1185.2
7°	1137.4	1139.9	1139.9	1138.7	1143.6
8°	1092.1	1090.2	1093.3	1092.1	1091.5
9°	1038.2	1041.8	1042.4	1039.4	1040.6
10°	982.4	984.8	985.5	987.3	985.5
11°	927.2	927.2	928.5	931.5	926.6
12°	867.2	872.7	867.2	869.6	867.2
13°	810.2	811.4	810.2	809.6	805.3
14°	756.2	752.0	753.2	748.3	748.9
15°	688.2	692.5	691.9	693.1	688.2
17.5°	553.4	555.8	555.2	554.0	547.9
20°	438.2	438.2	433.9	431.4	427.8
22.5°	334.6	333.4	331.5	329.7	330.9
25°	251.3	254.3	252.5	252.5	251.3
27.5°	190.0	193.7	190.6	188.8	190.0
30°	144.6	145.9	144.6	144.0	144.0
32.5°	109.1	109.7	109.1	109.1	109.1
35°	83.3	83.3	84.0	84.0	83.3
37.5°	64.3	64.3	64.3	64.3	65.0
40°	49.6	50.3	50.3	50.3	50.3
42.5°	39.2	39.8	39.8	39.8	39.8
45°	31.9	31.9	31.9	31.9	31.9
47.5°	25.7	25.7	25.7	25.7	26.4
50°	20.8	21.4	21.4	21.4	21.4
52.5°	17.8	17.8	17.8	17.8	17.8
55°	14.7	14.7	14.7	15.3	15.3
57.5°	12.3	12.3	12.9	12.9	12.9
60°	10.4	11.0	11.0	11.0	11.0
62.5°	9.2	9.2	9.8	9.8	9.8
65°	8.0	8.0	8.0	8.0	8.0
67.5°	6.7	6.7	6.7	6.7	7.4
70°	5.5	5.5	5.5	6.1	6.1
72.5°	4.9	4.9	4.9	4.9	4.9
75°	3.7	3.7	3.7	4.3	4.3
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.2	1.2	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6
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)