

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: P1312245

Luminaire Tested: P3SQAS09R209727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

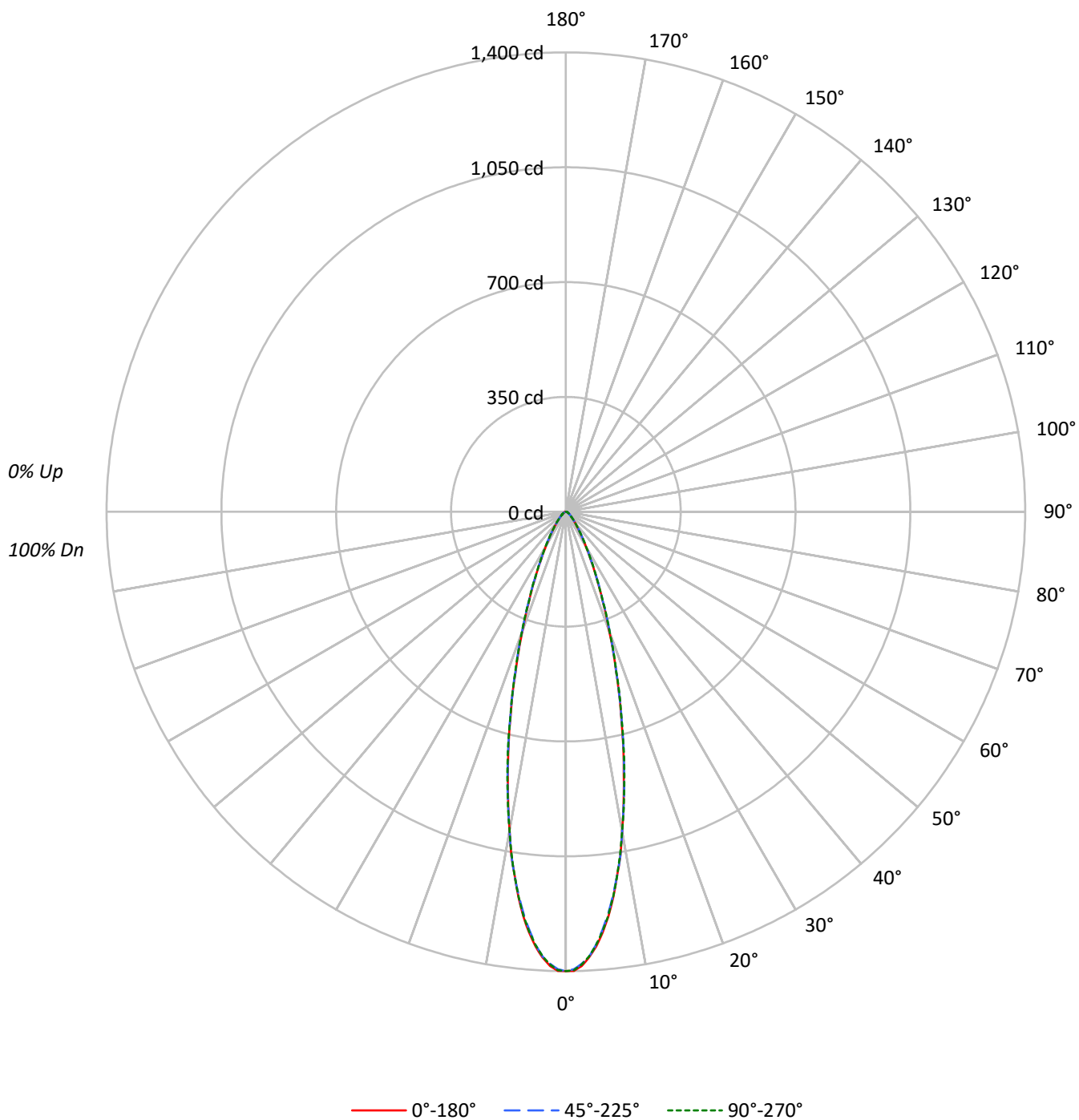
Lumens per Lamp: N/A
Luminaire Lumens: 492.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	241112	241112	241112
5°	222445	221166	221909
10°	172624	172833	172833
15°	116678	117213	117213
20°	70854	71752	72101
25°	41559	42148	42034
30°	24242	24739	24858
35°	14822	15201	15201
40°	9645	9780	9915
45°	6722	6868	7015
50°	4930	5091	5091
55°	3873	4054	4054
60°	3376	3376	3582
65°	3016	3016	3260
70°	2769	2769	2769
75°	2462	2462	2462
80°	1785	1785	2479
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	22.9
10°-20°	180.8	36.7
20°-30°	104.7	21.3
30°-40°	46.9	9.5
40°-50°	22.3	4.5
50°-60°	12.2	2.5
60°-70°	7.4	1.5
70°-80°	4.0	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°	398.4	81.0
0°-40°	445.3	90.5
0°-60°	479.8	97.5
0°-90°	492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1287	1282	1279	1282	1284	113
15°	654	654	657	654	657	180
25°	219	219	222	220	221	104
35°	70	71	72	73	72	46
45°	28	28	28	28	29	22
55°	13	13	14	14	14	12
65°	7	7	7	7	8	7
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°	1400.0	1400.0	1400.0	1400.0	1400.0
1°	1399.4	1395.7	1394.5	1393.3	1397.0
2°	1385.3	1381.0	1378.6	1379.8	1380.4
3°	1360.2	1357.7	1357.7	1355.9	1357.1
4°	1327.7	1322.8	1322.8	1323.4	1323.4
5°	1286.7	1282.4	1279.3	1281.8	1283.6
6°	1240.7	1235.2	1232.8	1233.4	1237.7
7°	1184.4	1177.0	1178.2	1181.3	1181.3
8°	1120.6	1120.0	1121.2	1120.0	1121.2
9°	1061.8	1053.2	1060.6	1054.5	1057.5
10°	987.1	986.4	988.3	990.1	988.3
12.5°	816.7	819.8	821.0	818.6	824.1
15°	654.4	654.4	657.4	654.4	657.4
17.5°	509.2	508.5	511.0	508.5	512.2
20°	386.6	390.9	391.5	391.5	393.4
22.5°	291.6	291.6	294.1	294.7	293.5
25°	218.7	218.7	221.8	220.0	221.2
27.5°	161.8	163.0	165.4	166.7	166.7
30°	121.9	122.5	124.4	125.0	125.0
32.5°	91.9	93.1	94.4	95.0	95.6
35°	70.5	71.1	72.3	72.9	72.3
37.5°	53.9	54.5	55.8	56.4	56.4
40°	42.9	42.9	43.5	44.1	44.1
42.5°	33.7	34.3	34.3	34.9	34.9
45°	27.6	27.6	28.2	28.2	28.8
47.5°	22.1	22.1	22.7	23.3	23.3
50°	18.4	18.4	19.0	19.0	19.0
52.5°	15.3	15.3	15.9	15.9	15.9
55°	12.9	12.9	13.5	13.5	13.5
57.5°	11.0	11.0	11.6	11.6	11.6
60°	9.8	9.8	9.8	9.8	10.4
62.5°	8.6	8.6	8.6	8.6	8.6
65°	7.4	7.4	7.4	7.4	8.0
67.5°	6.1	6.1	6.1	6.1	6.7
70°	5.5	5.5	5.5	5.5	5.5
72.5°	4.3	4.3	4.3	4.9	4.9
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.1	3.1	3.1	3.1	3.1
80°	1.8	1.8	1.8	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)