

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: P1312296

Luminaire Tested: P3SQAS09R359727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

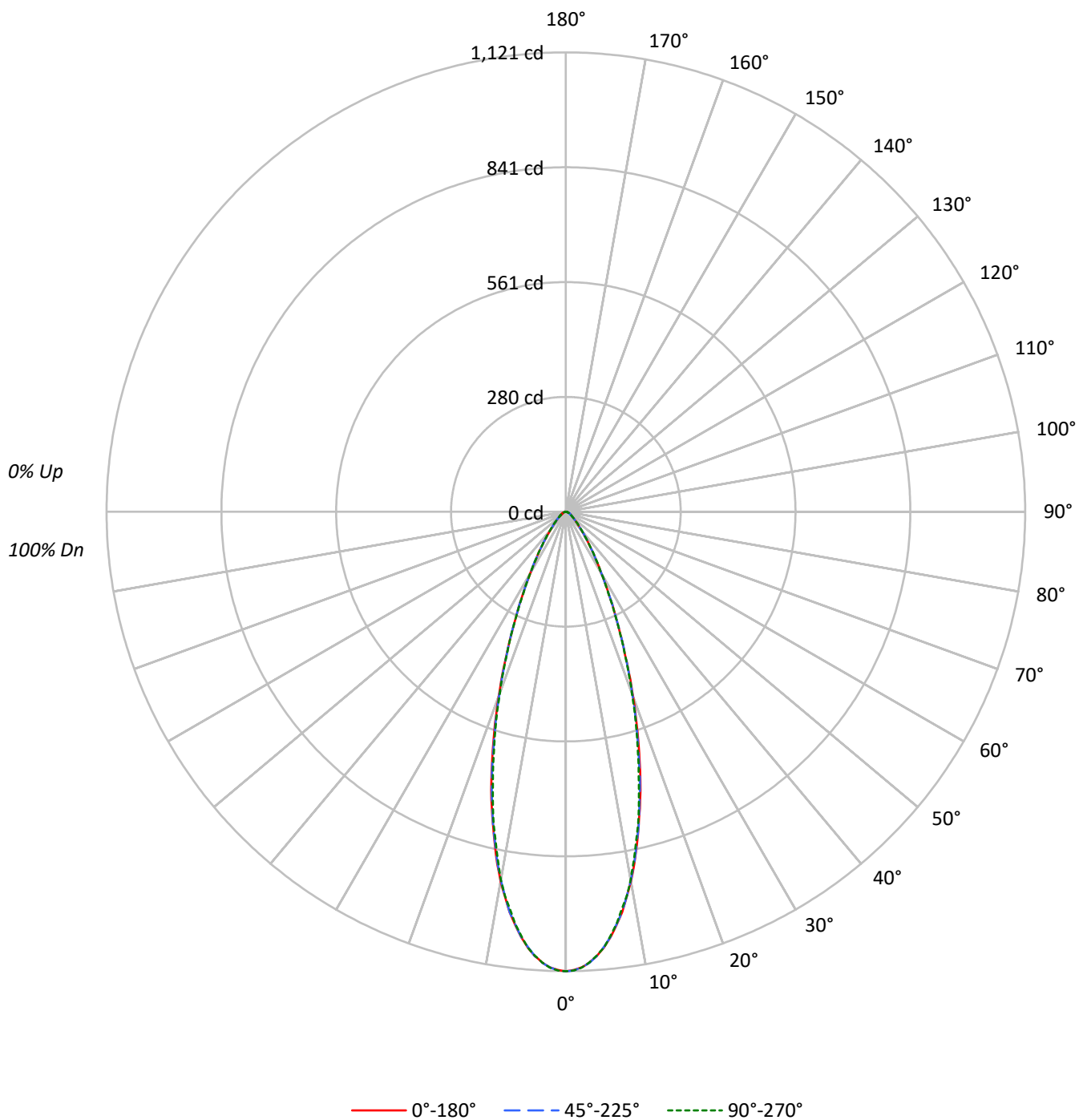
Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	193113	193113	193113
5°	184533	184221	184533
10°	160190	159665	159455
15°	125522	124541	122580
20°	87826	87038	86469
25°	55773	56115	55773
30°	34364	34603	34364
35°	21256	21382	21382
40°	13489	13647	13647
45°	9109	9255	9401
50°	6564	6725	6725
55°	5164	5164	5164
60°	4237	4237	4237
65°	3749	3749	3749
70°	3374	3374	3374
75°	2861	2861	2861
80°	2479	2479	2479
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	17.5
10°-20°	190.8	34.5
20°-30°	137.7	24.9
30°-40°	66.4	12.0
40°-50°	30.6	5.5
50°-60°	15.8	2.9
60°-70°	9.2	1.7
70°-80°	4.6	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°	425.4	76.9
0°-40°	491.7	88.9
0°-60°	538.1	97.3
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1067	1070	1066	1066	1067	97
15°	704	703	698	696	688	192
25°	294	294	295	295	294	138
35°	101	101	102	102	102	66
45°	37	38	38	39	39	30
55°	17	17	17	17	17	16
65°	9	9	9	9	9	9
75°	4	4	4	4	4	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°	1121.3	1121.3	1121.3	1121.3	1121.3
1°	1118.3	1120.1	1119.5	1120.1	1119.5
2°	1112.7	1114.0	1112.7	1113.3	1113.3
3°	1101.1	1102.3	1102.3	1101.7	1101.1
4°	1087.0	1090.1	1087.0	1087.6	1085.8
5°	1067.4	1069.8	1065.6	1066.2	1067.4
6°	1043.5	1044.1	1042.9	1042.3	1041.0
7°	1015.9	1018.4	1014.1	1014.7	1013.5
8°	986.5	985.9	985.9	983.4	979.8
9°	951.0	953.4	949.7	948.5	949.1
10°	916.0	916.0	913.0	909.9	911.8
11°	876.2	875.0	873.2	868.9	867.6
12°	832.7	835.2	829.6	827.8	823.5
13°	788.0	791.7	789.2	782.5	783.1
14°	746.3	743.9	742.0	740.8	736.5
15°	704.0	702.8	698.5	695.5	687.5
17.5°	588.2	589.5	581.5	580.3	577.2
20°	479.2	475.5	474.9	475.5	471.8
22.5°	378.1	381.7	377.4	378.1	375.6
25°	293.5	294.1	295.3	295.3	293.5
27.5°	227.9	227.9	226.7	227.9	226.1
30°	172.8	172.8	174.0	175.2	172.8
32.5°	133.6	133.6	133.6	134.2	134.8
35°	101.1	101.1	101.7	101.7	101.7
37.5°	77.8	78.4	79.0	79.0	79.0
40°	60.0	60.7	60.7	61.3	60.7
42.5°	47.8	47.8	47.8	48.4	48.4
45°	37.4	38.0	38.0	38.6	38.6
47.5°	30.6	30.6	30.6	31.2	31.2
50°	24.5	25.1	25.1	25.1	25.1
52.5°	20.2	20.2	20.8	20.8	20.8
55°	17.2	17.2	17.2	17.2	17.2
57.5°	14.1	14.7	14.7	14.7	14.7
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.4	10.4	10.4	10.4	10.4
65°	9.2	9.2	9.2	9.2	9.2
67.5°	7.4	8.0	8.0	8.0	8.0
70°	6.7	6.7	6.7	6.7	6.7
72.5°	4.9	5.5	5.5	5.5	5.5
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.7	3.1	3.1	3.1	3.7
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.6	0.6



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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)