

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: P1310101

Luminaire Tested: P3SQAS09R359040DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310101
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: P3SQAS09R359040DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

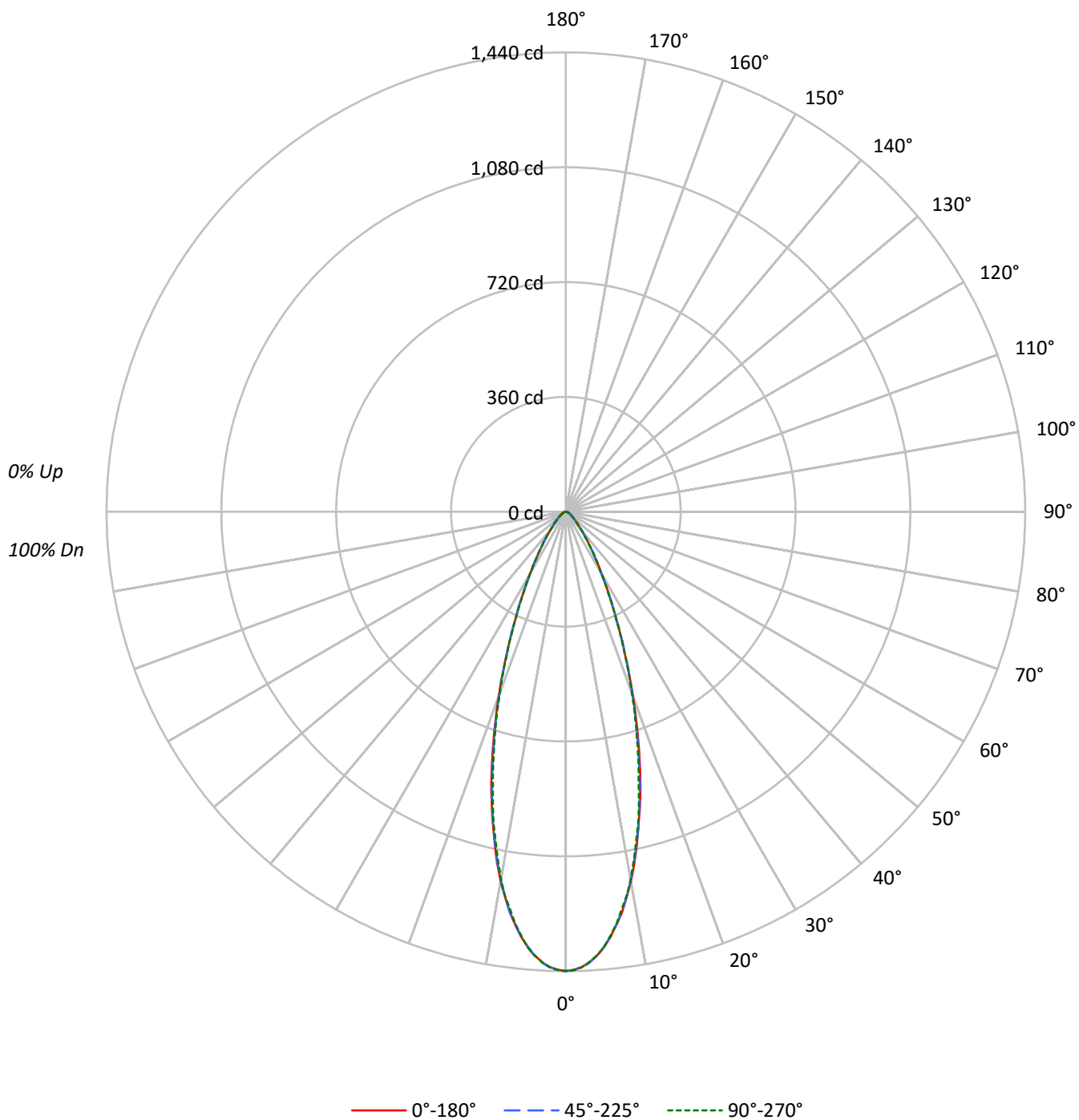
Lumens per Lamp: N/A
Luminaire Lumens: 710.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	247949	247949	247949
5°	236915	236518	236915
10°	205676	204994	204714
15°	161164	159898	157384
20°	112751	111743	111028
25°	71602	72058	71602
30°	44108	44427	44108
35°	27290	27458	27458
40°	17334	17514	17514
45°	11691	11886	12081
50°	8440	8654	8654
55°	6606	6606	6606
60°	5408	5408	5408
65°	4809	4809	4809
70°	4381	4381	4381
75°	3660	3660	3660
80°	3075	3075	3075
85°	1581	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12081 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	17.5
10°-20°	245.0	34.5
20°-30°	176.7	24.9
30°-40°	85.2	12.0
40°-50°	39.3	5.5
50°-60°	20.3	2.9
60°-70°	11.7	1.7
70°-80°	5.9	0.8
80°-90°	1.4	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°	546.1	76.9
0°-40°	631.3	88.9
0°-60°	690.9	97.3
0°-90°	710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1370	1374	1368	1369	1370	124
15°	904	902	897	893	883	246
25°	377	378	379	379	377	177
35°	130	130	131	131	131	85
45°	48	49	49	50	50	39
55°	22	22	22	22	22	20
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.7	1439.7	1439.7	1439.7	1439.7
1°	1435.7	1438.1	1437.3	1438.1	1437.3
2°	1428.6	1430.2	1428.6	1429.4	1429.4
3°	1413.7	1415.3	1415.3	1414.5	1413.7
4°	1395.6	1399.5	1395.6	1396.4	1394.0
5°	1370.4	1373.6	1368.1	1368.9	1370.4
6°	1339.8	1340.5	1339.0	1338.2	1336.6
7°	1304.3	1307.5	1302.0	1302.8	1301.2
8°	1266.6	1265.8	1265.8	1262.7	1257.9
9°	1221.0	1224.1	1219.4	1217.8	1218.6
10°	1176.1	1176.1	1172.2	1168.3	1170.6
11°	1125.0	1123.4	1121.0	1115.5	1114.0
12°	1069.1	1072.3	1065.2	1062.8	1057.3
13°	1011.7	1016.4	1013.3	1004.6	1005.4
14°	958.2	955.1	952.7	951.1	945.6
15°	903.9	902.3	896.8	892.9	882.7
17.5°	755.2	756.8	746.6	745.0	741.1
20°	615.2	610.5	609.7	610.5	605.8
22.5°	485.4	490.1	484.6	485.4	482.2
25°	376.8	377.6	379.2	379.2	376.8
27.5°	292.7	292.7	291.1	292.7	290.3
30°	221.8	221.8	223.4	225.0	221.8
32.5°	171.5	171.5	171.5	172.3	173.1
35°	129.8	129.8	130.6	130.6	130.6
37.5°	99.9	100.7	101.5	101.5	101.5
40°	77.1	77.9	77.9	78.7	77.9
42.5°	61.4	61.4	61.4	62.1	62.1
45°	48.0	48.8	48.8	49.6	49.6
47.5°	39.3	39.3	39.3	40.1	40.1
50°	31.5	32.3	32.3	32.3	32.3
52.5°	26.0	26.0	26.7	26.7	26.7
55°	22.0	22.0	22.0	22.0	22.0
57.5°	18.1	18.9	18.9	18.9	18.9
60°	15.7	15.7	15.7	15.7	15.7
62.5°	13.4	13.4	13.4	13.4	13.4
65°	11.8	11.8	11.8	11.8	11.8
67.5°	9.4	10.2	10.2	10.2	10.2
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.3	7.1	7.1	7.1	7.1
75°	5.5	5.5	5.5	5.5	5.5
77.5°	4.7	3.9	3.9	3.9	4.7
80°	3.1	3.1	3.1	3.1	3.1
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.8	0.8



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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)