

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: P1312464

Luminaire Tested: P3SQAS13R359727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312464
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: P3SQAS13R359727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

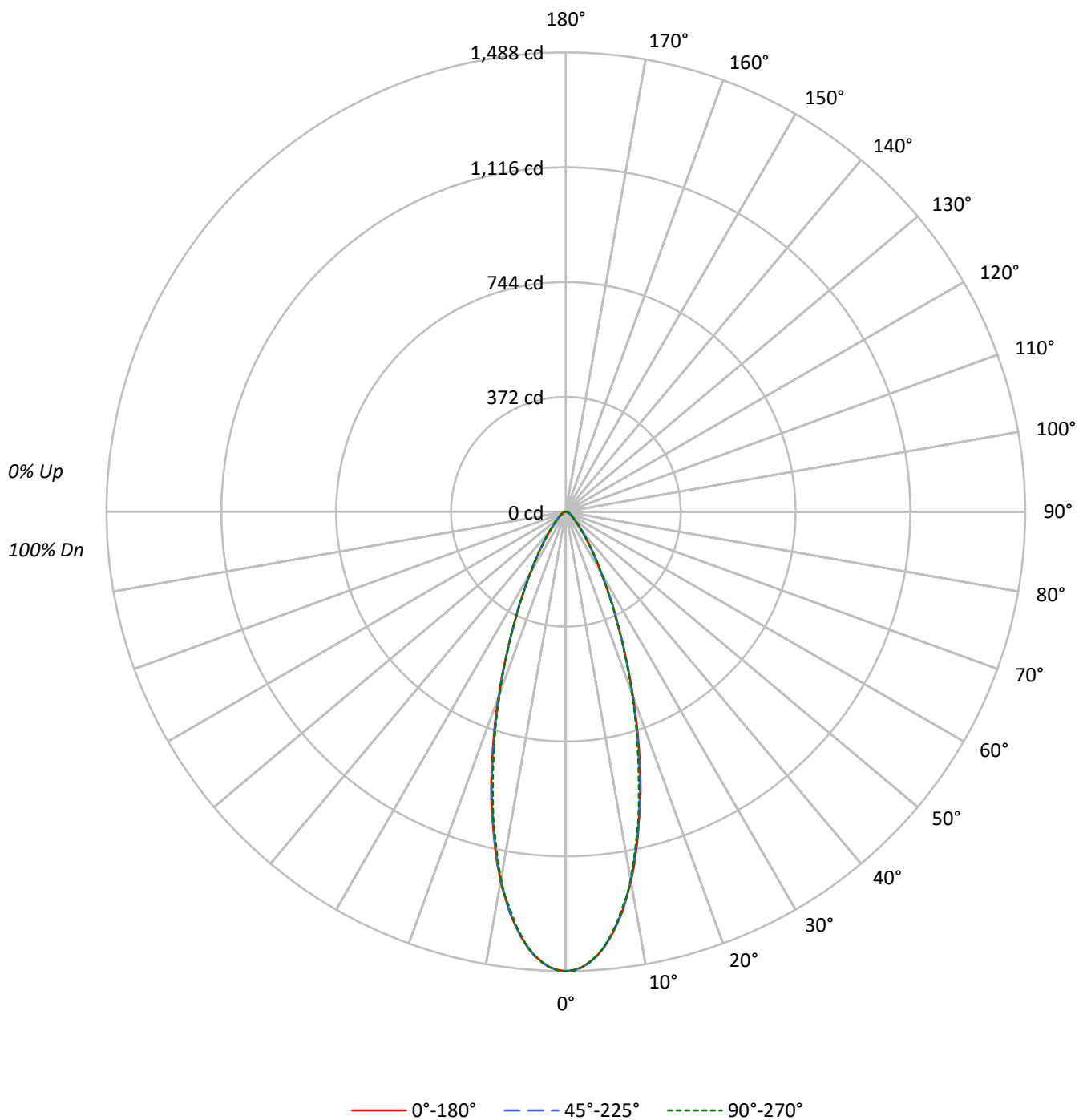
Lumens per Lamp: N/A
Luminaire Lumens: 734.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	97	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°	256319	256319	256319
5°	244937	244505	244937
10°	212636	211919	211639
15°	166619	165318	162697
20°	116563	115519	114767
25°	74034	74490	74034
30°	45600	45938	45600
35°	28215	28383	28383
40°	17918	18098	18098
45°	12081	12275	12470
50°	8708	8922	8922
55°	6846	6846	6846
60°	5614	5614	5614
65°	4972	4972	4972
70°	4482	4482	4482
75°	3793	3793	3793
80°	3273	3273	3273
85°	1581	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12470 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	17.5
10°-20°	253.2	34.5
20°-30°	182.7	24.9
30°-40°	88.1	12.0
40°-50°	40.6	5.5
50°-60°	21.0	2.9
60°-70°	12.1	1.7
70°-80°	6.1	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°	564.6	76.9
0°-40°	652.7	88.9
0°-60°	714.3	97.3
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1417	1420	1414	1415	1417	129
15°	934	933	927	923	912	255
25°	390	390	392	392	390	183
35°	134	134	135	135	135	88
45°	50	50	50	51	51	40
55°	23	23	23	23	23	21
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°	1488.3	1488.3	1488.3	1488.3	1488.3
1°	1484.3	1486.7	1485.9	1486.7	1485.9
2°	1476.9	1478.6	1476.9	1477.8	1477.8
3°	1461.5	1463.1	1463.1	1462.3	1461.5
4°	1442.8	1446.8	1442.8	1443.6	1441.2
5°	1416.8	1420.0	1414.3	1415.1	1416.8
6°	1385.0	1385.9	1384.2	1383.4	1381.8
7°	1348.4	1351.7	1346.0	1346.8	1345.2
8°	1309.4	1308.6	1308.6	1305.3	1300.5
9°	1262.2	1265.5	1260.6	1259.0	1259.8
10°	1215.9	1215.9	1211.8	1207.7	1210.2
11°	1163.0	1161.4	1158.9	1153.2	1151.6
12°	1105.3	1108.5	1101.2	1098.8	1093.1
13°	1045.9	1050.8	1047.5	1038.6	1039.4
14°	990.6	987.3	984.9	983.3	977.6
15°	934.5	932.8	927.2	923.1	912.5
17.5°	780.8	782.4	771.8	770.2	766.1
20°	636.0	631.1	630.3	631.1	626.2
22.5°	501.8	506.7	501.0	501.8	498.5
25°	389.6	390.4	392.0	392.0	389.6
27.5°	302.5	302.5	300.9	302.5	300.1
30°	229.3	229.3	231.0	232.6	229.3
32.5°	177.3	177.3	177.3	178.1	178.9
35°	134.2	134.2	135.0	135.0	135.0
37.5°	103.3	104.1	104.9	104.9	104.9
40°	79.7	80.5	80.5	81.3	80.5
42.5°	63.4	63.4	63.4	64.3	64.3
45°	49.6	50.4	50.4	51.2	51.2
47.5°	40.7	40.7	40.7	41.5	41.5
50°	32.5	33.3	33.3	33.3	33.3
52.5°	26.8	26.8	27.7	27.7	27.7
55°	22.8	22.8	22.8	22.8	22.8
57.5°	18.7	19.5	19.5	19.5	19.5
60°	16.3	16.3	16.3	16.3	16.3
62.5°	13.8	13.8	13.8	13.8	13.8
65°	12.2	12.2	12.2	12.2	12.2
67.5°	9.8	10.6	10.6	10.6	10.6
70°	8.9	8.9	8.9	8.9	8.9
72.5°	6.5	7.3	7.3	7.3	7.3
75°	5.7	5.7	5.7	5.7	5.7
77.5°	4.9	4.1	4.1	4.1	4.9
80°	3.3	3.3	3.3	3.3	3.3
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)