

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: P1312139

Luminaire Tested: P3SQAS05R359727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312139
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: P3SQAS05R359727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

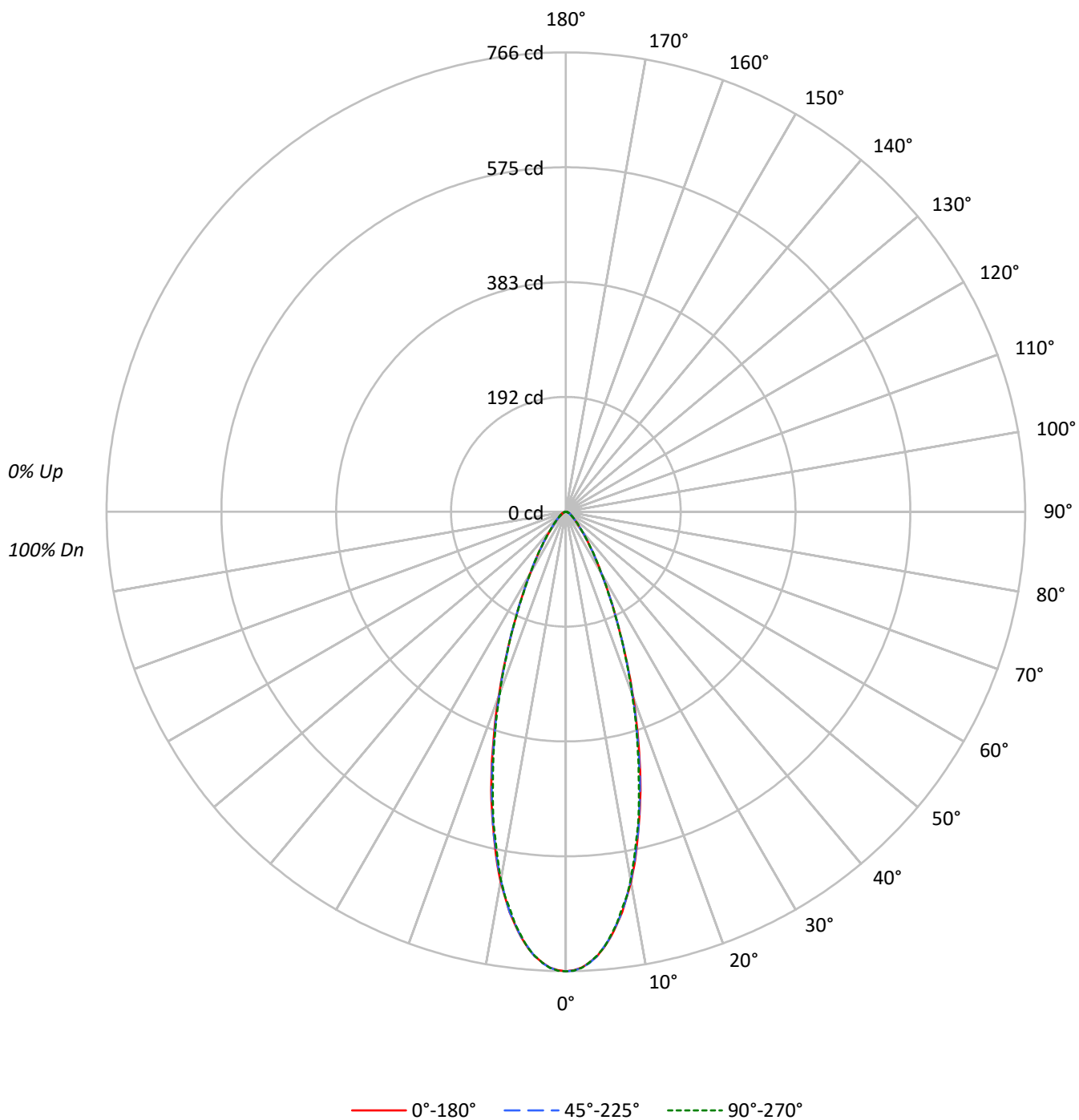
Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	132009	132009	132009
5°	126134	125926	126134
10°	109510	109142	108985
15°	85797	85137	83782
20°	60023	59491	59106
25°	38119	38366	38119
30°	23486	23645	23486
35°	14528	14612	14612
40°	9218	9330	9330
45°	6211	6333	6430
50°	4501	4608	4608
55°	3513	3513	3513
60°	2893	2893	2893
65°	2567	2567	2567
70°	2316	2316	2316
75°	1930	1930	1930
80°	1686	1686	1686
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6430 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	17.5
10°-20°	130.4	34.5
20°-30°	94.1	24.9
30°-40°	45.4	12.0
40°-50°	20.9	5.5
50°-60°	10.8	2.9
60°-70°	6.2	1.7
70°-80°	3.2	0.8
80°-90°	0.7	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°	290.8	76.9
0°-40°	336.1	88.9
0°-60°	367.8	97.3
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	730	731	728	729	730	66
15°	481	480	478	475	470	131
25°	201	201	202	202	201	94
35°	69	69	70	70	70	45
45°	26	26	26	26	26	21
55°	12	12	12	12	12	11
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.5	766.5	766.5	766.5	766.5
1°	764.4	765.6	765.2	765.6	765.2
2°	760.6	761.4	760.6	761.0	761.0
3°	752.6	753.5	753.5	753.1	752.6
4°	743.0	745.1	743.0	743.4	742.2
5°	729.6	731.3	728.4	728.8	729.6
6°	713.3	713.7	712.9	712.4	711.6
7°	694.4	696.1	693.2	693.6	692.8
8°	674.3	673.9	673.9	672.2	669.7
9°	650.0	651.7	649.2	648.4	648.8
10°	626.2	626.2	624.1	622.0	623.2
11°	598.9	598.1	596.8	593.9	593.1
12°	569.2	570.9	567.1	565.8	562.9
13°	538.6	541.1	539.5	534.9	535.3
14°	510.1	508.5	507.2	506.4	503.4
15°	481.2	480.4	477.5	475.4	469.9
17.5°	402.1	402.9	397.5	396.6	394.5
20°	327.5	325.0	324.6	325.0	322.5
22.5°	258.4	260.9	258.0	258.4	256.7
25°	200.6	201.0	201.9	201.9	200.6
27.5°	155.8	155.8	155.0	155.8	154.6
30°	118.1	118.1	118.9	119.8	118.1
32.5°	91.3	91.3	91.3	91.7	92.1
35°	69.1	69.1	69.5	69.5	69.5
37.5°	53.2	53.6	54.0	54.0	54.0
40°	41.0	41.5	41.5	41.9	41.5
42.5°	32.7	32.7	32.7	33.1	33.1
45°	25.5	26.0	26.0	26.4	26.4
47.5°	20.9	20.9	20.9	21.4	21.4
50°	16.8	17.2	17.2	17.2	17.2
52.5°	13.8	13.8	14.2	14.2	14.2
55°	11.7	11.7	11.7	11.7	11.7
57.5°	9.6	10.1	10.1	10.1	10.1
60°	8.4	8.4	8.4	8.4	8.4
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.3	6.3	6.3	6.3	6.3
67.5°	5.0	5.4	5.4	5.4	5.4
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.4	3.8	3.8	3.8	3.8
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.5	2.1	2.1	2.1	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4



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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)