

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: P1310254

Luminaire Tested: P3SQAS13R309040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

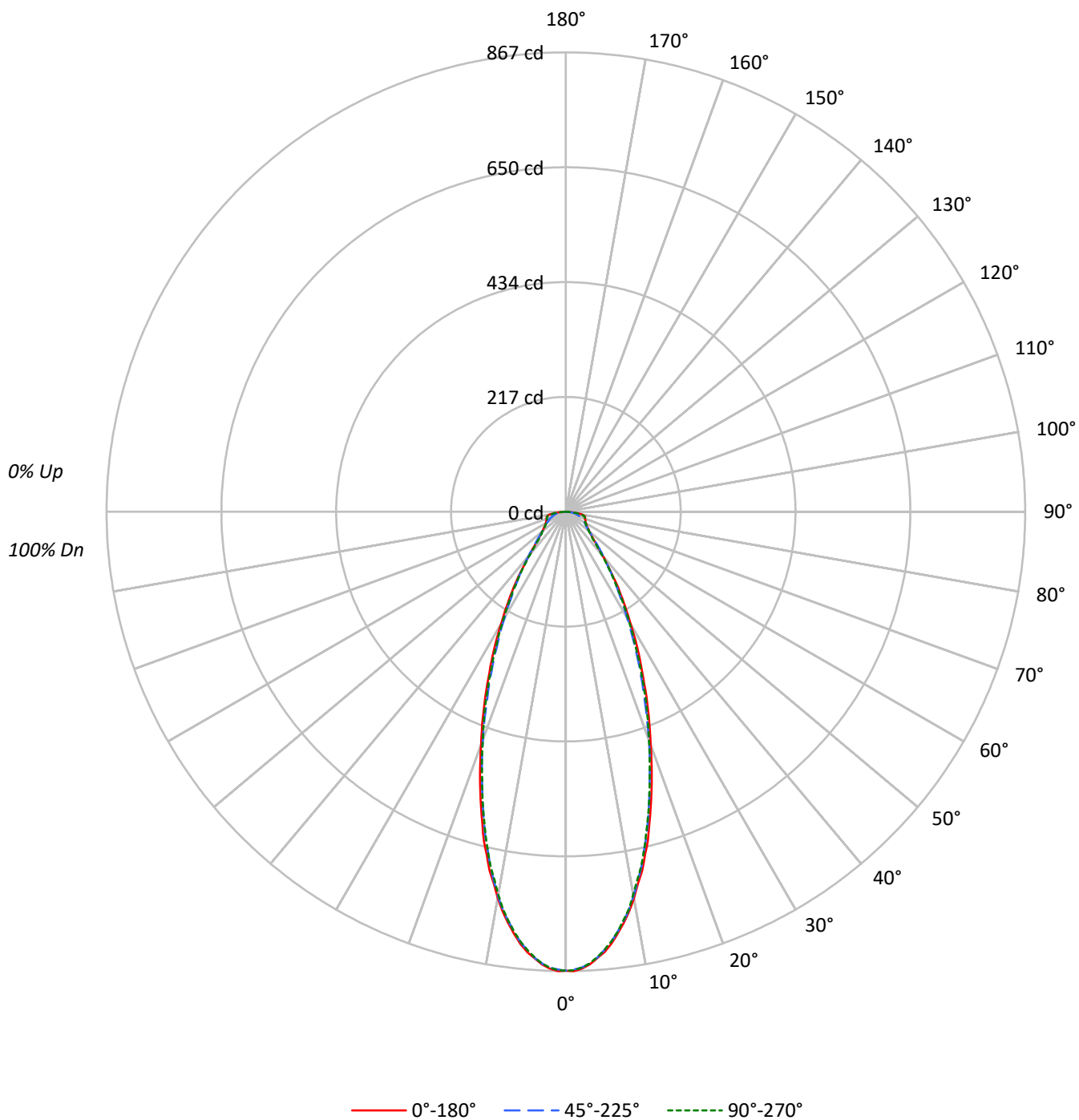
Lumens per Lamp: N/A
Luminaire Lumens: 683.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	149162	149162	149162
5°	144303	143577	143577
10°	129516	128781	128239
15°	108548	106872	106676
20°	85700	83977	83977
25°	65597	63013	64210
30°	48682	46177	47211
35°	35195	33639	33870
40°	24213	24685	23516
45°	18096	18852	17317
50°	15701	15406	15406
55°	14773	14142	14443
60°	15121	14053	14777
65°	16627	14059	16178
70°	19487	14200	18984
75°	25086	15305	24354
80°	31142	16563	29059
85°	24898	16599	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 31142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	11.2
10°-20°	166.1	24.3
20°-30°	154.7	22.7
30°-40°	102.7	15.0
40°-50°	59.8	8.8
50°-60°	43.5	6.4
60°-70°	36.8	5.4
70°-80°	30.5	4.5
80°-90°	12.7	1.9
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°	397.2	58.2
0°-40°	499.8	73.2
0°-60°	603.1	88.3
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	835	834	830	830	830	77
15°	609	602	599	598	598	168
25°	345	339	332	333	338	159
35°	167	164	160	161	161	105
45°	74	75	77	73	71	60
55°	49	48	47	48	48	45
65°	41	37	34	37	40	41
75°	38	28	23	28	37	39
85°	13	15	8	14	12	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866.1	866.1	866.1	866.1	866.1
1°	867.2	866.1	864.0	865.1	865.1
2°	863.0	861.9	860.9	860.9	860.9
3°	855.7	854.6	853.6	853.6	853.6
4°	845.2	844.1	844.1	843.1	843.1
5°	834.7	833.7	830.5	830.5	830.5
6°	820.1	819.0	817.0	815.9	815.9
7°	802.3	802.3	799.2	798.1	799.2
8°	783.5	782.4	780.3	779.3	779.3
9°	763.6	760.5	760.5	757.3	759.4
10°	740.6	738.5	736.4	734.3	733.3
11°	714.4	713.4	710.3	708.2	707.1
12°	692.5	687.2	685.2	682.0	684.1
13°	664.2	661.1	655.9	654.8	655.9
14°	640.2	633.9	629.7	627.6	626.6
15°	608.8	602.5	599.4	598.3	598.3
17.5°	538.7	534.5	526.2	526.2	526.2
20°	467.6	463.4	458.2	457.1	458.2
22.5°	405.9	398.5	390.2	391.2	397.5
25°	345.2	338.9	331.6	332.6	337.9
27.5°	293.9	285.6	278.2	280.3	283.5
30°	244.8	239.5	232.2	234.3	237.4
32.5°	202.9	199.8	191.4	193.5	196.7
35°	167.4	164.2	160.0	161.1	161.1
37.5°	133.9	133.9	132.8	131.8	130.8
40°	107.7	109.8	109.8	106.7	104.6
42.5°	87.9	90.0	92.1	87.9	84.7
45°	74.3	75.3	77.4	73.2	71.1
47.5°	64.9	64.9	66.9	63.8	62.8
50°	58.6	58.6	57.5	56.5	57.5
52.5°	53.3	52.3	51.3	52.3	52.3
55°	49.2	48.1	47.1	48.1	48.1
57.5°	46.0	45.0	43.9	43.9	45.0
60°	43.9	41.8	40.8	41.8	42.9
62.5°	41.8	38.7	37.7	38.7	40.8
65°	40.8	36.6	34.5	36.6	39.7
67.5°	39.7	34.5	31.4	34.5	38.7
70°	38.7	32.4	28.2	32.4	37.7
72.5°	37.7	30.3	26.2	30.3	37.7
75°	37.7	28.2	23.0	28.2	36.6
77.5°	35.6	26.2	19.9	26.2	34.5
80°	31.4	24.1	16.7	23.0	29.3
82.5°	23.0	20.9	12.6	19.9	22.0
85°	12.6	14.6	8.4	13.6	11.5
87.5°	2.1	3.1	2.1	6.3	4.2



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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)