

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: P1306102

Luminaire Tested: P3SQASS17R359024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R359024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

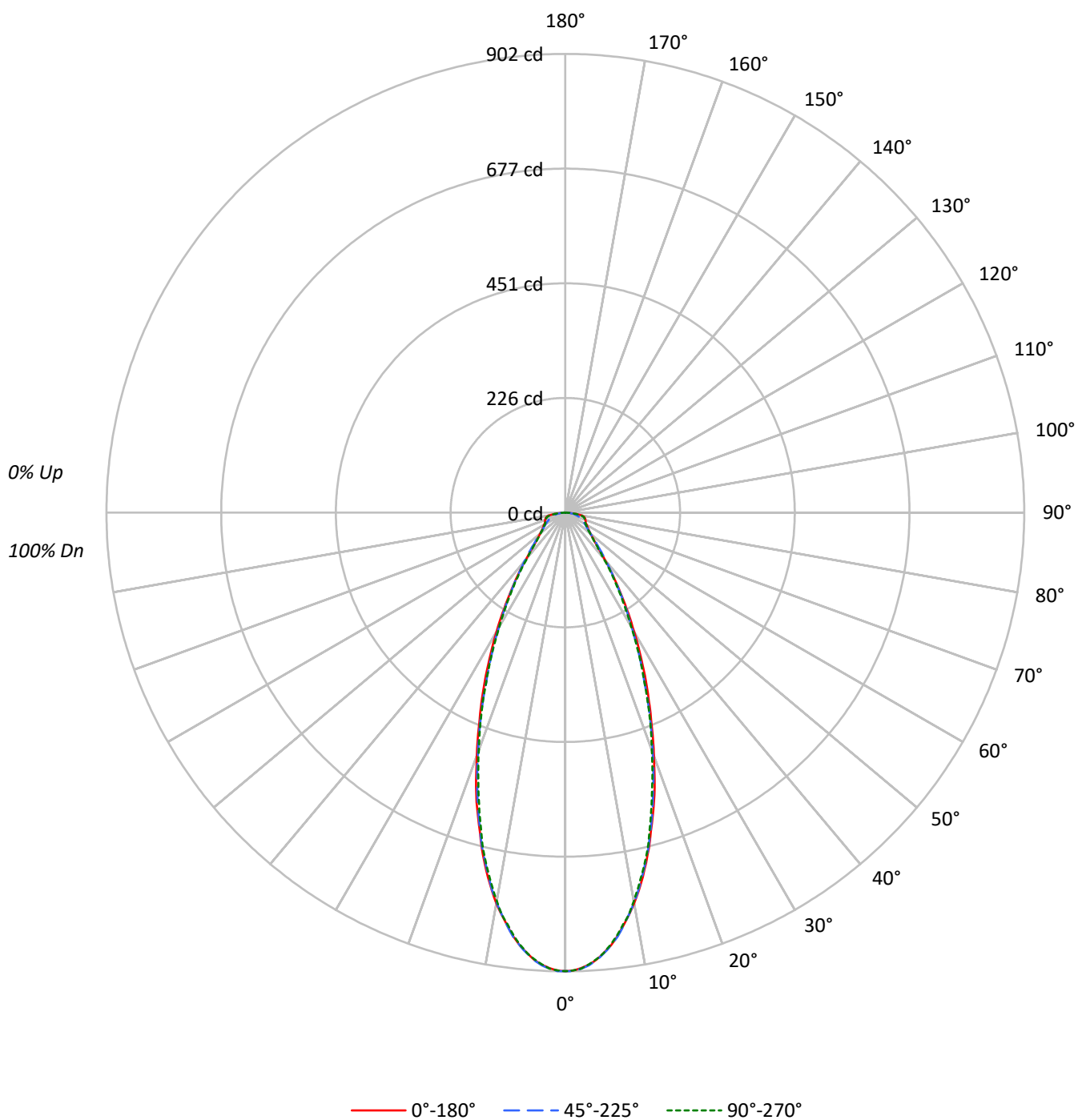
Lumens per Lamp: N/A
Luminaire Lumens: 746.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	155293	155293	155293
5°	150181	150389	150181
10°	136423	136231	135637
15°	115822	115412	114396
20°	93232	91986	91161
25°	72077	69911	69911
30°	53753	51944	51486
35°	38685	38202	37255
40°	27068	27833	26034
45°	20191	21287	19631
50°	17335	17335	17040
55°	16364	15674	16034
60°	16809	15259	16051
65°	18053	15282	17605
70°	21149	16013	20595
75°	26417	16635	25685
80°	33820	18051	30448
85°	26874	17982	26874

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 33820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	10.7
10°-20°	178.7	24.0
20°-30°	170.7	22.9
30°-40°	114.6	15.4
40°-50°	67.3	9.0
50°-60°	48.1	6.5
60°-70°	40.1	5.4
70°-80°	32.9	4.4
80°-90°	13.5	1.8
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°	429.5	57.6
0°-40°	544.1	72.9
0°-60°	659.5	88.4
0°-90°	746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	869	871	870	869	869	80
15°	650	651	647	643	642	180
25°	379	375	368	368	368	174
35°	184	184	182	178	177	116
45°	83	85	87	83	81	67
55°	54	53	52	52	53	50
65°	44	40	38	40	43	44
75°	40	31	25	31	39	41
85°	14	15	9	15	14	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.7	901.7	901.7	901.7	901.7
1°	900.5	901.7	901.7	900.5	900.5
2°	896.0	898.2	897.1	896.0	897.1
3°	890.3	892.6	891.4	890.3	889.2
4°	881.2	883.5	882.3	880.1	880.1
5°	868.7	871.0	869.9	868.7	868.7
6°	856.2	858.5	856.2	854.0	854.0
7°	839.2	842.6	840.3	838.1	836.9
8°	819.9	823.3	821.0	819.9	817.6
9°	800.6	802.9	799.5	799.5	799.5
10°	780.1	781.3	779.0	775.6	775.6
11°	757.4	756.3	755.2	752.9	750.6
12°	732.5	732.5	729.0	726.8	725.6
13°	706.3	705.2	702.9	700.7	700.7
14°	679.1	679.1	676.8	672.3	673.4
15°	649.6	650.7	647.3	642.7	641.6
17.5°	582.6	580.3	574.6	571.2	567.8
20°	508.7	507.6	501.9	498.5	497.4
22.5°	440.6	439.5	433.8	430.4	432.7
25°	379.3	374.7	367.9	367.9	367.9
27.5°	322.5	316.8	312.3	310.0	312.3
30°	270.3	265.7	261.2	260.0	258.9
32.5°	223.7	221.4	219.2	215.8	215.8
35°	184.0	184.0	181.7	178.3	177.2
37.5°	149.9	151.0	149.9	146.5	145.4
40°	120.4	122.6	123.8	120.4	115.8
42.5°	98.8	102.2	104.5	98.8	95.4
45°	82.9	85.2	87.4	82.9	80.6
47.5°	72.7	73.8	74.9	71.5	70.4
50°	64.7	64.7	64.7	63.6	63.6
52.5°	59.1	59.1	57.9	56.8	56.8
55°	54.5	53.4	52.2	52.2	53.4
57.5°	51.1	50.0	47.7	48.8	50.0
60°	48.8	46.6	44.3	45.4	46.6
62.5°	45.4	43.2	40.9	42.0	44.3
65°	44.3	39.7	37.5	39.7	43.2
67.5°	43.2	37.5	34.1	37.5	42.0
70°	42.0	35.2	31.8	35.2	40.9
72.5°	40.9	32.9	28.4	32.9	39.7
75°	39.7	30.7	25.0	30.7	38.6
77.5°	37.5	28.4	21.6	28.4	35.2
80°	34.1	26.1	18.2	25.0	30.7
82.5°	25.0	21.6	14.8	21.6	22.7
85°	13.6	14.8	9.1	14.8	13.6
87.5°	1.1	2.3	2.3	6.8	4.5



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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)