

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: P1307138

Luminaire Tested: P3SQAS17R709027DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709027DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

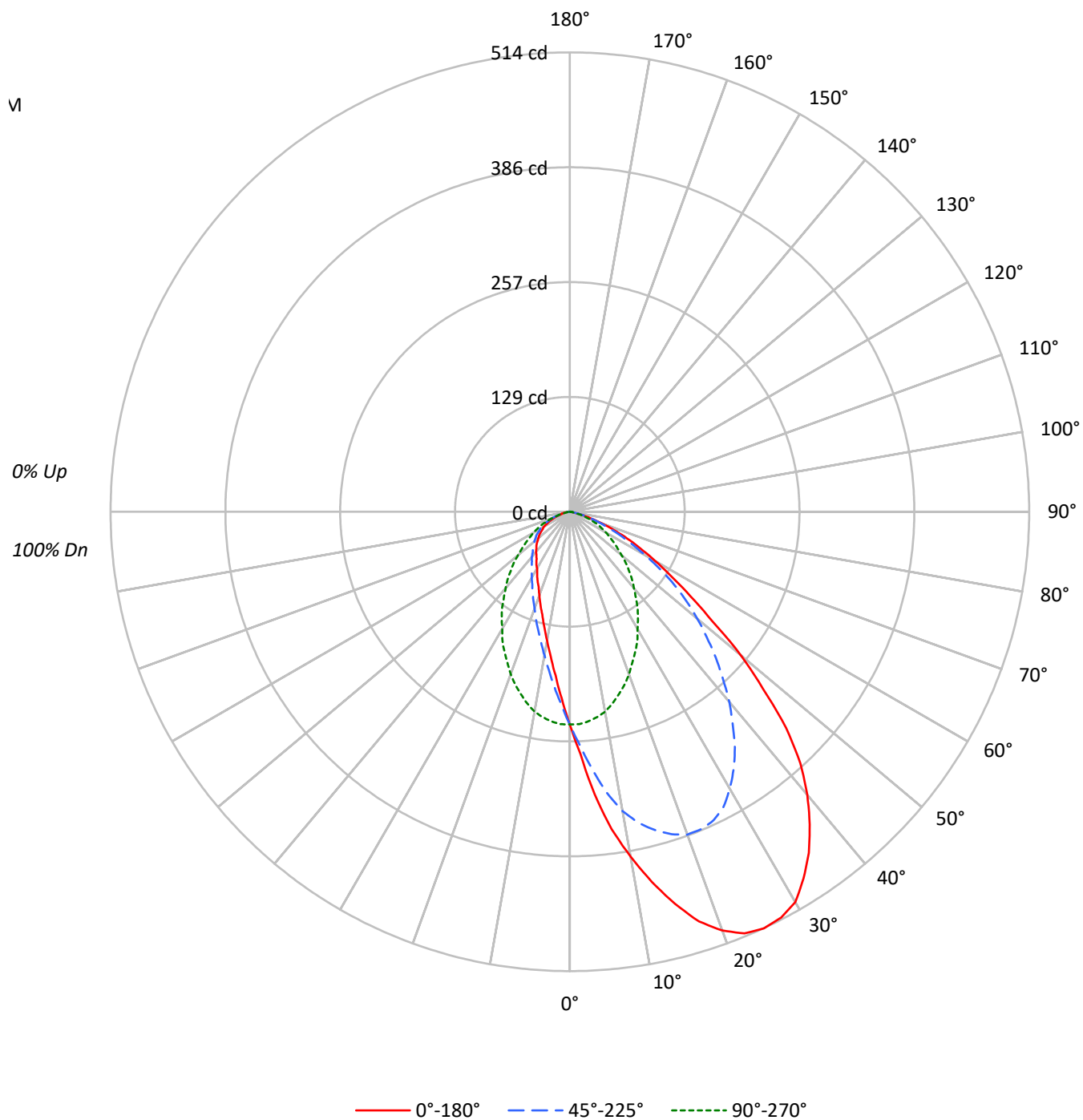
Lumens per Lamp: N/A
Luminaire Lumens: 581.0 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40972	40972	40972	40972	40972
5°	54838	50049	40713	34057	31775
10°	68500	59459	39715	28575	25637
15°	80965	65756	37692	24427	21200
20°	91381	70451	35445	21132	18273
25°	97712	72362	32875	18718	16209
30°	100348	71194	30108	16963	14577
35°	97995	67699	27794	15663	13645
40°	92918	62388	25112	14861	13242
45°	83395	56189	22822	14346	12884
50°	66956	49889	20282	13852	12244
55°	49423	42937	18046	13722	11890
60°	38061	33515	16154	13227	11573
65°	28893	24981	14181	12225	10269
70°	19336	17523	10877	10877	8460
75°	10381	10381	7187	7187	6388
80°	2380	4761	3570	4761	5951
85°	0	2371	2371	4742	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 83395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	4.0
10°-20°	71.3	12.3
20°-30°	109.9	18.9
30°-40°	124.7	21.5
40°-50°	112.9	19.4
50°-60°	78.9	13.6
60°-70°	43.4	7.5
70°-80°	14.5	2.5
80°-90°	1.9	0.3
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°	204.7	35.2
0°-40°	329.4	56.7
0°-60°	521.2	89.7
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	238	238	238	238	238	
5°	317	290	236	197	184	33
15°	454	369	211	137	119	129
25°	514	381	173	98	85	236
35°	466	322	132	74	65	290
45°	342	231	94	59	53	259
55°	165	143	60	46	40	151
65°	71	61	35	30	25	71
75°	16	16	11	11	10	18
85°	0	1	1	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9
2.5°	271.5	273.9	275.1	272.7	271.5	270.3	267.9	266.7	264.3	261.9	260.7
5°	317.2	317.2	317.2	314.8	311.2	308.8	304.0	300.4	294.3	289.5	284.7
7.5°	358.0	358.0	356.8	353.2	350.8	344.8	338.8	334.0	324.4	317.2	307.6
10°	391.7	391.7	390.5	384.4	380.8	373.6	367.6	359.2	349.6	340.0	329.2
12.5°	424.1	424.1	419.3	414.5	407.3	397.7	389.3	380.8	367.6	356.8	343.6
15°	454.1	454.1	451.7	443.3	433.7	422.9	410.9	398.9	383.2	368.8	354.4
17.5°	480.6	479.4	475.8	466.1	456.5	443.3	428.9	414.5	395.3	378.4	360.4
20°	498.6	498.6	493.8	483.0	472.2	457.7	442.1	425.3	404.9	384.4	362.8
22.5°	510.6	509.4	504.6	493.8	480.6	466.1	448.1	430.1	407.3	384.4	361.6
25°	514.2	513.0	508.2	496.2	483.0	467.3	448.1	428.9	404.9	380.8	355.6
27.5°	511.8	510.6	505.8	492.6	479.4	461.3	442.1	421.7	397.7	372.4	347.2
30°	504.6	501.0	496.2	484.2	469.7	451.7	431.3	408.5	384.4	358.0	332.8
32.5°	486.6	486.6	480.6	468.5	454.1	434.9	414.5	392.9	366.4	341.2	314.8
35°	466.1	464.9	460.1	446.9	433.7	415.7	395.3	372.4	347.2	322.0	296.7
37.5°	440.9	439.7	434.9	422.9	408.5	391.7	370.0	348.4	324.4	299.1	276.3
40°	413.3	410.9	404.9	395.3	383.2	364.0	344.8	323.2	300.4	277.5	254.7
42.5°	382.0	379.6	374.8	367.6	353.2	336.4	318.4	297.9	276.3	253.5	236.7
45°	342.4	342.4	340.0	332.8	322.0	308.8	289.5	271.5	251.1	230.7	212.6
47.5°	293.1	295.5	294.3	290.7	285.9	273.9	260.7	245.1	225.9	207.8	191.0
50°	249.9	251.1	252.3	249.9	246.3	237.9	229.5	219.9	203.0	186.2	170.6
52.5°	200.6	204.2	204.2	205.4	205.4	203.0	200.6	189.8	181.4	164.6	150.2
55°	164.6	164.6	164.6	167.0	168.2	169.4	167.0	164.6	155.0	143.0	129.8
57.5°	134.6	134.6	137.0	135.8	135.8	138.2	138.2	137.0	131.0	120.1	108.1
60°	110.5	110.5	110.5	110.5	111.7	111.7	111.7	111.7	106.9	97.3	87.7
62.5°	88.9	88.9	88.9	90.1	90.1	90.1	91.3	90.1	85.3	78.1	69.7
65°	70.9	69.7	70.9	70.9	72.1	72.1	72.1	70.9	66.1	61.3	55.3
67.5°	52.9	54.1	54.1	54.1	55.3	56.5	55.3	54.1	50.5	45.7	43.3
70°	38.4	39.6	39.6	39.6	40.8	42.0	40.8	39.6	37.2	34.8	32.4
72.5°	25.2	26.4	26.4	27.6	28.8	28.8	27.6	27.6	26.4	24.0	22.8
75°	15.6	15.6	16.8	16.8	18.0	18.0	18.0	16.8	16.8	15.6	15.6
77.5°	7.2	7.2	8.4	8.4	8.4	9.6	9.6	9.6	9.6	9.6	8.4
80°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	4.8	4.8	4.8
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9
2.5°	258.3	254.7	249.9	237.9	225.9	216.3	210.2	209.0
5°	278.7	272.7	261.9	235.5	213.8	197.0	187.4	183.8
7.5°	299.1	288.3	272.7	231.9	199.4	179.0	168.2	163.4
10°	316.0	302.8	282.3	227.1	187.4	163.4	150.2	146.6
12.5°	329.2	313.6	288.3	219.9	175.4	149.0	135.8	132.2
15°	337.6	320.8	291.9	211.4	163.4	137.0	123.7	118.9
17.5°	341.2	320.8	290.7	203.0	152.6	126.1	112.9	109.3
20°	341.2	318.4	287.1	193.4	141.8	115.3	103.3	99.7
22.5°	337.6	313.6	278.7	182.6	132.2	106.9	94.9	91.3
25°	330.4	304.0	269.1	173.0	122.5	98.5	87.7	85.3
27.5°	319.6	293.1	257.1	163.4	114.1	91.3	81.7	79.3
30°	306.4	279.9	243.9	151.4	105.7	85.3	76.9	73.3
32.5°	289.5	264.3	229.5	141.8	98.5	79.3	72.1	69.7
35°	271.5	248.7	213.8	132.2	91.3	74.5	67.3	64.9
37.5°	253.5	229.5	200.6	121.3	85.3	69.7	63.7	61.3
40°	234.3	216.3	186.2	111.7	80.5	66.1	60.1	58.9
42.5°	215.1	195.8	165.8	103.3	74.5	61.3	56.5	55.3
45°	192.2	174.2	150.2	93.7	69.7	58.9	54.1	52.9
47.5°	173.0	156.2	134.6	85.3	64.9	55.3	50.5	49.3
50°	155.0	138.2	117.7	75.7	60.1	51.7	48.1	45.7
52.5°	134.6	120.1	102.1	67.3	55.3	48.1	44.5	43.3
55°	116.5	102.1	85.3	60.1	50.5	45.7	40.8	39.6
57.5°	96.1	84.1	72.1	52.9	45.7	40.8	38.4	36.0
60°	78.1	69.7	61.3	46.9	40.8	38.4	34.8	33.6
62.5°	63.7	57.7	51.7	40.8	36.0	33.6	31.2	28.8
65°	50.5	46.9	42.0	34.8	31.2	30.0	27.6	25.2
67.5°	39.6	37.2	33.6	27.6	26.4	25.2	22.8	20.4
70°	30.0	28.8	26.4	21.6	20.4	21.6	19.2	16.8
72.5°	21.6	20.4	19.2	15.6	15.6	15.6	14.4	12.0
75°	14.4	13.2	12.0	10.8	10.8	10.8	10.8	9.6
77.5°	8.4	8.4	7.2	6.0	7.2	7.2	8.4	8.4
80°	3.6	3.6	3.6	3.6	4.8	4.8	6.0	6.0
82.5°	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)