

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: P1316477

Luminaire Tested: P3SQAS17R709827DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709827DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

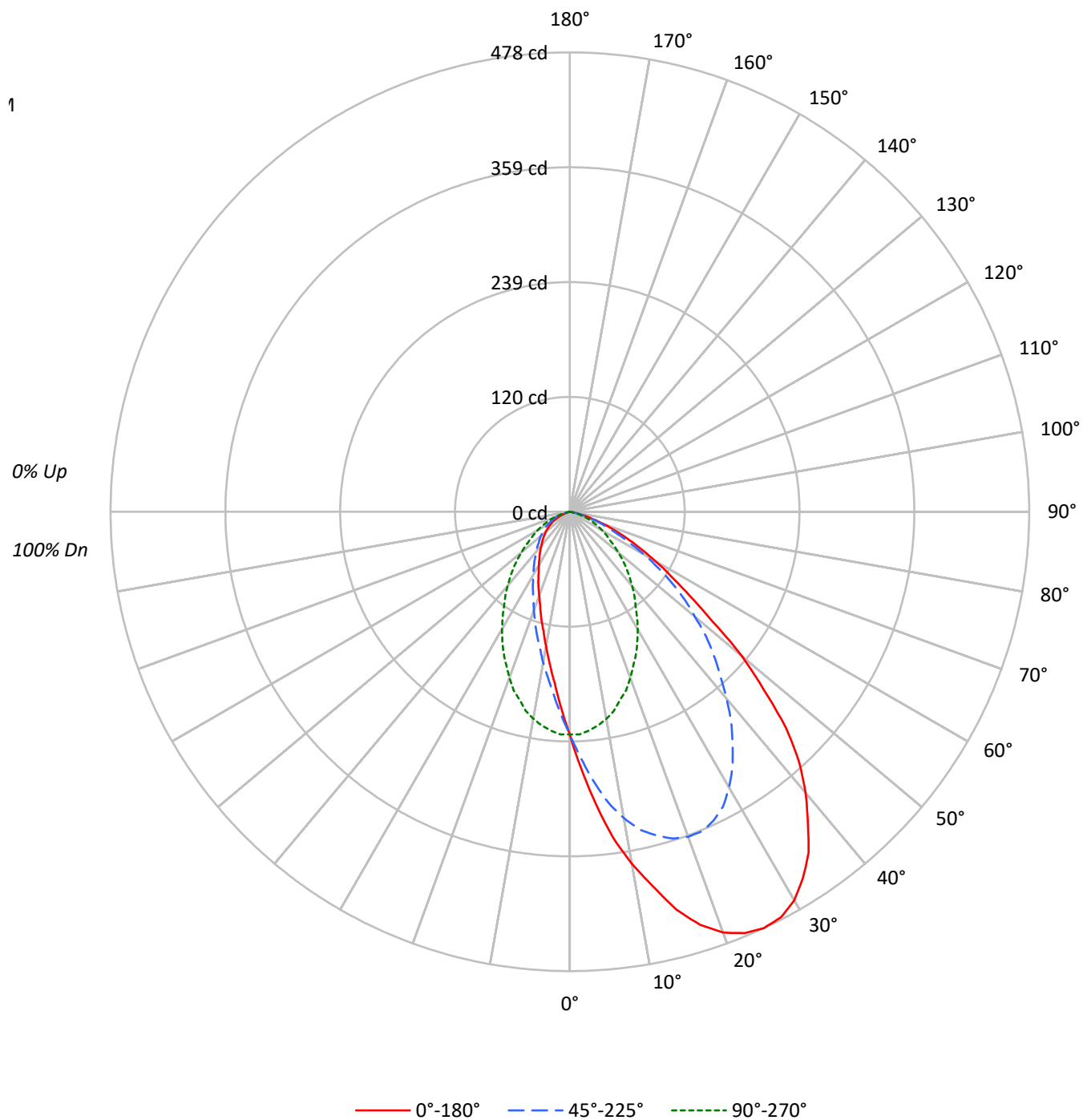
Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	39921	39921	39921	39921	39921
5°	52556	48579	39520	33089	30997
10°	65020	56608	38246	27928	24868
15°	76436	62190	36070	23589	20469
20°	85388	65943	33668	20050	17045
25°	90814	67326	30955	17254	14746
30°	92850	65884	28060	15014	12827
35°	91036	62085	25061	13561	11500
40°	85792	57037	22617	12298	10319
45°	77501	51659	20240	11179	9596
50°	62696	45414	17576	10556	8788
55°	45640	39064	15103	9849	7867
60°	35409	30897	13571	9024	7164
65°	26733	22291	11125	8028	5338
70°	18732	15962	8258	6043	3323
75°	10913	9449	4392	2928	732
80°	2182	3273	1091	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	4.4
10°-20°	67.6	13.0
20°-30°	101.9	19.6
30°-40°	113.2	21.8
40°-50°	100.4	19.3
50°-60°	68.1	13.1
60°-70°	35.7	6.9
70°-80°	10.1	2.0
80°-90°	0.3	0.1
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°	192.1	36.9
0°-40°	305.4	58.7
0°-60°	473.8	91.1
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	232	232	232	232	232	
5°	304	281	229	191	179	31
15°	429	349	202	132	115	122
25°	478	354	163	91	78	219
35°	433	295	119	64	55	268
45°	318	212	83	46	39	241
55°	152	130	50	33	26	140
65°	66	55	27	20	13	66
75°	16	14	7	4	1	18
85°	0	0	0	0	0	0
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°	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8
2.5°	266.8	265.7	264.6	264.6	263.5	262.5	260.3	260.3	258.1	255.9	253.7
5°	304.0	304.0	304.0	300.7	300.7	296.4	294.2	289.8	285.4	281.0	275.6
7.5°	341.2	341.2	337.9	336.8	333.5	329.2	325.9	319.3	311.7	305.1	296.4
10°	371.8	371.8	368.5	366.3	359.8	355.4	348.8	341.2	333.5	323.7	312.8
12.5°	399.1	400.2	395.9	391.5	384.9	378.4	369.6	359.8	349.9	339.0	324.8
15°	428.7	427.6	422.1	416.6	409.0	399.1	388.2	375.1	362.0	348.8	333.5
17.5°	450.5	449.5	444.0	437.4	427.6	415.6	403.5	388.2	372.9	356.5	337.9
20°	465.9	464.8	459.3	450.5	440.7	427.6	413.4	395.9	379.5	359.8	339.0
22.5°	474.6	473.5	466.9	459.3	447.3	433.0	417.7	399.1	380.6	359.8	336.8
25°	477.9	475.7	469.1	460.4	448.4	433.0	415.6	395.9	376.2	354.3	330.3
27.5°	475.7	473.5	465.9	456.0	442.9	425.4	407.9	388.2	367.4	345.6	320.4
30°	466.9	463.7	457.1	447.3	433.0	415.6	397.0	376.2	354.3	331.3	306.2
32.5°	451.6	449.5	442.9	432.0	417.7	400.2	381.6	359.8	337.9	314.9	289.8
35°	433.0	428.7	422.1	412.3	398.1	380.6	362.0	339.0	318.2	295.3	271.2
37.5°	406.8	405.7	398.1	390.4	376.2	357.6	340.1	318.2	297.4	275.6	251.5
40°	381.6	379.5	372.9	364.2	349.9	333.5	314.9	295.3	274.5	253.7	231.8
42.5°	353.2	349.9	345.6	336.8	323.7	307.3	289.8	270.1	251.5	231.8	212.1
45°	318.2	317.1	311.7	307.3	295.3	281.0	263.5	246.0	227.5	212.1	196.8
47.5°	273.4	272.3	271.2	267.9	261.4	251.5	238.4	222.0	207.8	192.5	171.7
50°	234.0	232.9	230.7	229.6	224.2	218.7	208.9	199.0	187.0	169.5	153.1
52.5°	185.9	187.0	190.3	191.4	190.3	185.9	181.5	178.2	161.8	150.9	135.6
55°	152.0	152.0	150.9	152.0	153.1	155.3	155.3	150.9	140.0	130.1	117.0
57.5°	124.7	124.7	124.7	124.7	124.7	125.8	125.8	124.7	119.2	109.4	97.3
60°	102.8	101.7	101.7	102.8	101.7	101.7	102.8	102.8	97.3	89.7	78.7
62.5°	83.1	83.1	83.1	82.0	82.0	83.1	83.1	82.0	77.6	70.0	62.3
65°	65.6	65.6	65.6	65.6	65.6	66.7	65.6	64.5	60.1	54.7	49.2
67.5°	50.3	50.3	51.4	50.3	51.4	51.4	51.4	49.2	45.9	41.6	38.3
70°	37.2	37.2	37.2	38.3	39.4	39.4	38.3	36.1	33.9	31.7	28.4
72.5°	25.2	26.2	26.2	26.2	27.3	27.3	26.2	25.2	24.1	21.9	20.8
75°	16.4	15.3	16.4	16.4	17.5	17.5	16.4	16.4	15.3	14.2	13.1
77.5°	7.7	7.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.7	7.7
80°	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8
2.5°	251.5	248.2	243.9	231.8	220.9	211.1	205.6	204.5
5°	269.0	264.6	253.7	228.6	207.8	191.4	181.5	179.3
7.5°	287.6	278.9	263.5	224.2	194.7	173.9	162.9	159.7
10°	301.8	290.9	270.1	218.7	181.5	159.7	146.5	142.2
12.5°	311.7	298.5	275.6	212.1	170.6	144.3	131.2	126.9
15°	317.1	302.9	276.7	202.3	157.5	132.3	118.1	114.8
17.5°	319.3	302.9	274.5	194.7	145.4	120.3	107.2	102.8
20°	318.2	298.5	269.0	183.7	134.5	109.4	96.2	93.0
22.5°	313.8	292.0	260.3	172.8	123.6	98.4	87.5	85.3
25°	307.3	283.2	250.4	162.9	113.7	90.8	79.8	77.6
27.5°	296.4	272.3	237.3	152.0	105.0	83.1	73.3	70.0
30°	282.1	259.2	224.2	141.1	96.2	75.5	66.7	64.5
32.5°	266.8	243.9	211.1	130.1	88.6	70.0	61.2	59.1
35°	249.3	227.5	194.7	119.2	80.9	64.5	55.8	54.7
37.5°	231.8	210.0	180.4	110.4	74.4	59.1	51.4	50.3
40°	212.1	194.7	172.8	100.6	68.9	54.7	48.1	45.9
42.5°	200.1	176.1	148.7	91.9	63.4	50.3	43.7	42.6
45°	173.9	156.4	134.5	83.1	58.0	45.9	40.5	39.4
47.5°	156.4	141.1	120.3	74.4	53.6	42.6	37.2	36.1
50°	138.9	124.7	105.0	65.6	49.2	39.4	33.9	32.8
52.5°	121.4	107.2	89.7	58.0	43.7	36.1	30.6	29.5
55°	103.9	90.8	74.4	50.3	39.4	32.8	28.4	26.2
57.5°	85.3	74.4	63.4	44.8	35.0	29.5	25.2	23.0
60°	68.9	62.3	53.6	39.4	30.6	26.2	21.9	20.8
62.5°	55.8	50.3	44.8	33.9	27.3	23.0	19.7	16.4
65°	44.8	41.6	37.2	27.3	23.0	19.7	16.4	13.1
67.5°	35.0	32.8	29.5	23.0	18.6	16.4	12.0	9.8
70°	27.3	25.2	23.0	16.4	14.2	12.0	8.7	6.6
72.5°	19.7	17.5	16.4	12.0	9.8	8.7	5.5	3.3
75°	12.0	12.0	9.8	6.6	5.5	4.4	2.2	1.1
77.5°	6.6	6.6	5.5	3.3	3.3	1.1	0.0	0.0
80°	3.3	2.2	2.2	1.1	1.1	0.0	0.0	0.0
82.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)