

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: P1446602

Luminaire Tested: P3ART17R709735DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

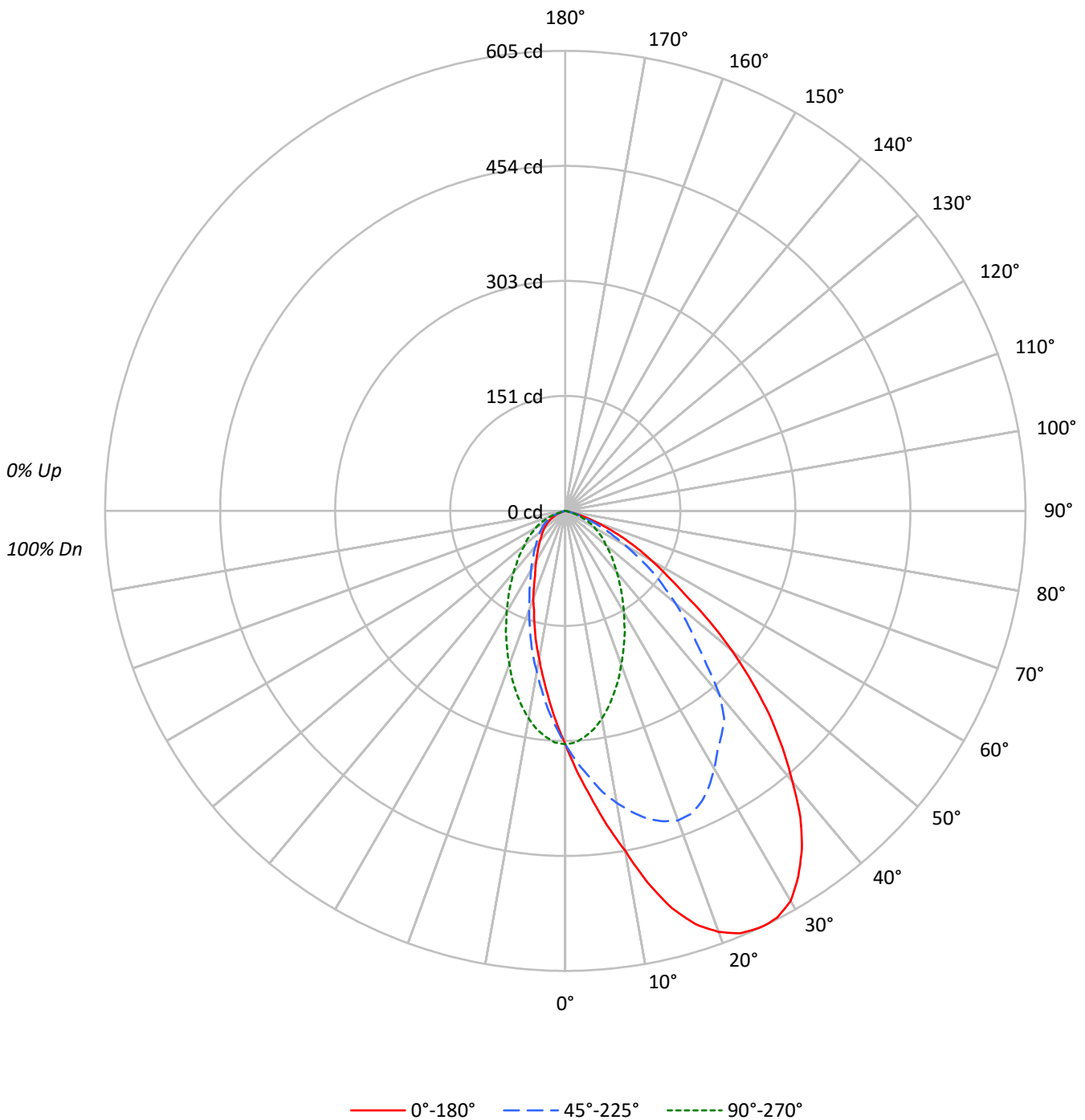
Test Method: LM-79-2019  
Report Number: P1446602  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709735DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 611.0 lumens  
Efficiency: N/A  
Efficacy: 28.8 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 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	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	67253	67253	67253	67253	67253
5°	82786	77063	65617	57605	54545
10°	101089	86816	61745	47850	43998
15°	122748	95211	56255	39728	35415
20°	137492	101089	50148	32343	28702
25°	146331	102296	44446	26832	22646
30°	150074	99154	39044	22814	19319
35°	145196	96021	34318	19488	16704
40°	132935	90283	30257	17375	14885
45°	117687	75233	26856	16126	13428
50°	97532	64441	23641	14771	12418
55°	73555	53676	21868	13916	11278
60°	57759	40260	19779	12938	9868
65°	43169	29679	17071	10792	8094
70°	27761	18913	12246	7758	4424
75°	11777	10252	5846	2965	1440
80°	2147	2147	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 117687 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	4.8
10°-20°	83.7	13.7
20°-30°	122.4	20.0
30°-40°	133.4	21.8
40°-50°	115.5	18.9
50°-60°	77.3	12.7
60°-70°	39.9	6.5
70°-80°	9.5	1.5
80°-90°	0.1	0.0
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°	235.3	38.5
0°-40°	368.7	60.3
0°-60°	561.5	91.9
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	307	307	307	307	307	
5°	376	350	298	262	248	38
15°	541	419	248	175	156	153
25°	605	423	184	111	94	278
35°	542	359	128	73	62	336
45°	380	243	87	52	43	290
55°	192	140	57	36	30	178
65°	83	57	33	21	16	84
75°	14	12	7	4	2	18
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7
2.5°	341.4	339.7	339.7	336.2	332.7	329.3	324.1	318.9	313.7	308.5	305.0
5°	376.1	377.8	376.1	369.1	360.5	350.1	339.7	327.5	315.4	305.0	298.1
7.5°	415.9	415.9	410.7	402.0	389.9	372.6	355.3	334.5	315.4	298.1	289.4
10°	454.0	454.0	445.4	431.5	412.4	389.9	365.7	337.9	311.9	287.7	277.3
12.5°	500.8	499.1	488.7	466.2	438.4	405.5	372.6	337.9	306.7	277.3	263.4
15°	540.7	538.9	525.1	497.4	461.0	419.4	374.3	334.5	296.3	263.4	247.8
17.5°	570.1	566.7	551.1	521.6	480.0	428.0	376.1	327.5	284.2	247.8	232.2
20°	589.2	587.5	570.1	535.5	490.4	433.2	374.3	318.9	272.1	232.2	214.9
22.5°	601.3	597.9	580.5	542.4	490.4	431.5	367.4	306.7	256.5	216.6	199.3
25°	604.8	603.1	582.3	540.7	485.2	422.8	357.0	294.6	240.9	201.0	183.7
26°	604.8	603.1	582.3	538.9	481.8	417.6	351.8	289.4	235.7	194.1	178.5
27.5°	603.1	601.3	578.8	533.8	474.8	409.0	341.4	279.0	225.3	185.4	168.1
30°	592.7	589.2	566.7	521.6	459.2	391.6	324.1	263.4	209.7	169.8	154.2
32.5°	570.1	566.7	542.4	500.8	441.9	372.6	305.0	246.1	194.1	154.2	140.4
35°	542.4	538.9	514.7	474.8	417.6	358.7	284.2	227.0	176.8	142.1	128.2
37.5°	507.8	502.6	481.8	440.2	388.2	343.1	266.9	208.0	161.2	128.2	116.1
40°	464.4	462.7	443.6	405.5	353.5	315.4	256.5	208.0	147.3	116.1	105.7
42.5°	422.8	419.4	402.0	369.1	322.3	275.5	225.3	199.3	136.9	104.0	95.3
45°	379.5	376.1	360.5	332.7	289.4	242.6	242.6	171.6	117.8	95.3	86.6
47.5°	332.7	329.3	317.1	296.3	258.2	216.6	176.8	140.4	107.4	84.9	78.0
50°	285.9	287.7	277.3	256.5	227.0	188.9	152.5	117.8	91.8	76.3	69.3
52.5°	239.1	237.4	230.5	216.6	195.8	162.9	130.0	100.5	79.7	67.6	64.1
55°	192.4	194.1	190.6	182.0	164.6	140.4	109.2	86.6	71.1	60.7	57.2
57.5°	159.4	161.2	154.2	149.0	135.2	114.4	90.1	72.8	60.7	53.7	50.3
60°	131.7	133.4	128.2	121.3	110.9	91.8	72.8	60.7	53.7	48.5	45.1
62.5°	107.4	105.7	102.2	95.3	86.6	72.8	58.9	50.3	45.1	41.6	39.9
65°	83.2	83.2	79.7	74.5	67.6	57.2	46.8	41.6	38.1	34.7	32.9
67.5°	62.4	62.4	58.9	55.5	48.5	41.6	36.4	32.9	31.2	27.7	26.0
70°	43.3	43.3	41.6	39.9	34.7	29.5	27.7	24.3	22.5	20.8	19.1
72.5°	27.7	27.7	27.7	24.3	22.5	19.1	19.1	17.3	15.6	13.9	13.9
75°	13.9	15.6	13.9	13.9	12.1	12.1	10.4	10.4	8.7	8.7	6.9
77.5°	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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	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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7
2.5°	301.5	296.3	292.9	287.7	284.2	280.7	279.0	277.3	277.3	277.3
5°	292.9	284.2	275.5	266.9	261.7	256.5	251.3	249.5	247.8	247.8
7.5°	282.5	268.6	256.5	246.1	237.4	232.2	227.0	223.6	221.8	221.8
10°	268.6	251.3	237.4	223.6	214.9	208.0	204.5	199.3	199.3	197.6
12.5°	253.0	232.2	216.6	204.5	195.8	187.2	182.0	178.5	176.8	176.8
15°	235.7	214.9	197.6	183.7	175.0	166.4	161.2	157.7	156.0	156.0
17.5°	218.4	195.8	178.5	164.6	156.0	147.3	142.1	138.6	138.6	136.9
20°	201.0	178.5	161.2	147.3	138.6	131.7	126.5	123.0	121.3	123.0
22.5°	185.4	162.9	145.6	133.4	123.0	116.1	110.9	109.2	107.4	107.4
25°	168.1	147.3	131.7	119.6	110.9	104.0	98.8	97.0	95.3	93.6
26°	162.9	142.1	126.5	114.4	105.7	98.8	95.3	91.8	90.1	90.1
27.5°	156.0	133.4	119.6	107.4	98.8	93.6	88.4	86.6	84.9	84.9
30°	140.4	121.3	107.4	97.0	90.1	83.2	79.7	78.0	76.3	76.3
32.5°	128.2	109.2	97.0	88.4	81.4	76.3	72.8	69.3	69.3	69.3
35°	116.1	98.8	88.4	79.7	72.8	67.6	65.9	64.1	62.4	62.4
37.5°	105.7	90.1	79.7	72.8	67.6	62.4	58.9	57.2	57.2	57.2
40°	95.3	83.2	72.8	65.9	60.7	57.2	53.7	52.0	52.0	52.0
42.5°	86.6	74.5	67.6	60.7	55.5	52.0	50.3	48.5	46.8	46.8
45°	79.7	69.3	60.7	55.5	52.0	48.5	45.1	43.3	43.3	43.3
47.5°	71.1	64.1	55.5	50.3	46.8	43.3	41.6	39.9	39.9	39.9
50°	65.9	58.9	52.0	46.8	43.3	39.9	38.1	36.4	36.4	36.4
52.5°	58.9	53.7	48.5	43.3	39.9	36.4	34.7	32.9	32.9	32.9
55°	53.7	48.5	43.3	39.9	36.4	32.9	31.2	29.5	29.5	29.5
57.5°	48.5	43.3	39.9	36.4	32.9	31.2	27.7	27.7	26.0	26.0
60°	43.3	38.1	34.7	32.9	29.5	27.7	24.3	22.5	22.5	22.5
62.5°	36.4	34.7	31.2	27.7	24.3	22.5	20.8	19.1	19.1	19.1
65°	31.2	29.5	26.0	22.5	20.8	19.1	17.3	15.6	15.6	15.6
67.5°	26.0	22.5	20.8	19.1	17.3	15.6	13.9	12.1	10.4	12.1
70°	19.1	17.3	15.6	13.9	12.1	10.4	8.7	8.7	6.9	6.9
72.5°	12.1	10.4	10.4	8.7	6.9	6.9	5.2	5.2	3.5	3.5
75°	6.9	6.9	5.2	5.2	3.5	3.5	1.7	1.7	1.7	1.7
77.5°	3.5	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	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	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)