

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: P1445952

Luminaire Tested: P3ART17R709035DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

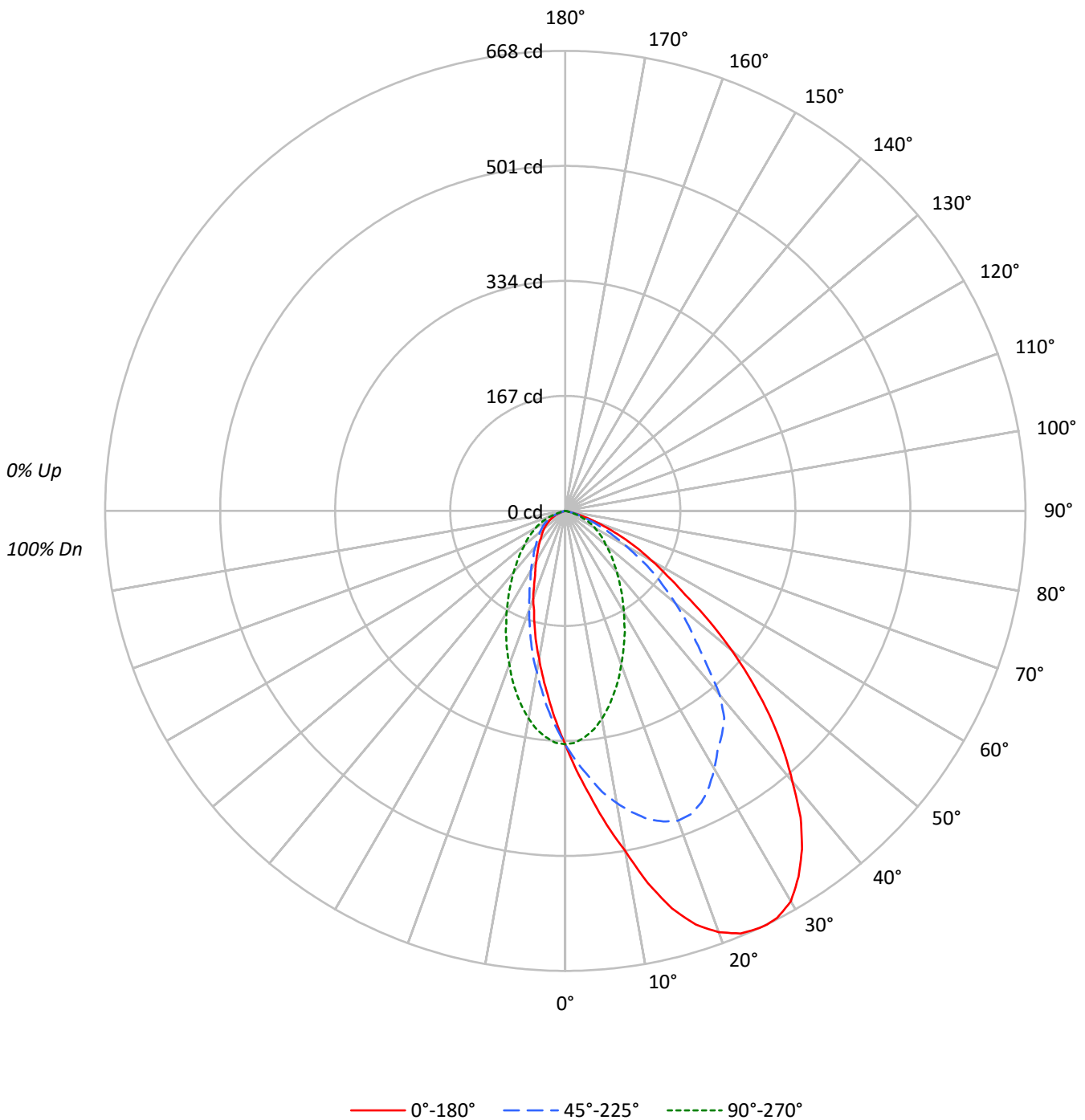
Test Method: LM-79-2019  
Report Number: P1445952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709035DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 675.0 lumens  
Efficiency: N/A  
Efficacy: 31.8 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		0	
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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

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

	0°	45°	90°	135°	180°
0°	74314	74314	74314	74314	74314
5°	91437	85120	72485	63636	60268
10°	111688	95923	68202	52860	48607
15°	135597	105177	62157	43905	39115
20°	151890	111683	55398	35750	31713
25°	161671	113015	49092	29639	25018
30°	165798	109561	43146	25219	21320
35°	160401	106086	37932	21522	18444
40°	146875	99730	33434	19179	16431
45°	130029	83109	29677	17800	14854
50°	107766	71196	26131	16341	13714
55°	81240	59295	24162	15369	12425
60°	63811	44514	21840	14253	10920
65°	47683	32792	18887	11934	8924
70°	30710	20837	13528	8591	4937
75°	12963	11353	6524	3219	1610
80°	2399	2399	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 130029 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.2	4.8
10°-20°	92.5	13.7
20°-30°	135.3	20.0
30°-40°	147.4	21.8
40°-50°	127.6	18.9
50°-60°	85.4	12.7
60°-70°	44.1	6.5
70°-80°	10.4	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°	259.9	38.5
0°-40°	407.3	60.3
0°-60°	620.3	91.9
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	339	339	339	339	339	
5°	415	387	329	289	274	42
15°	597	463	274	193	172	169
25°	668	467	203	122	103	307
35°	599	396	142	80	69	371
45°	419	268	96	57	48	321
55°	212	155	63	40	32	197
65°	92	63	36	23	17	93
75°	15	13	8	4	2	20
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	377.2	375.2	375.2	371.4	367.6	363.8	358.0	352.3	346.5	340.8	336.9
5°	415.4	417.4	415.4	407.8	398.2	386.7	375.2	361.8	348.4	336.9	329.3
7.5°	459.5	459.5	453.7	444.2	430.8	411.6	392.5	369.5	348.4	329.3	319.7
10°	501.6	501.6	492.0	476.7	455.6	430.8	404.0	373.3	344.6	317.8	306.3
12.5°	553.3	551.4	539.9	515.0	484.4	448.0	411.6	373.3	338.9	306.3	291.0
15°	597.3	595.4	580.1	549.5	509.3	463.3	413.5	369.5	327.4	291.0	273.8
17.5°	629.9	626.0	608.8	576.3	530.3	472.9	415.4	361.8	314.0	273.8	256.5
20°	650.9	649.0	629.9	591.6	541.8	478.6	413.5	352.3	300.6	256.5	237.4
22.5°	664.3	660.5	641.3	599.2	541.8	476.7	405.9	338.9	283.3	239.3	220.2
25°	668.2	666.2	643.3	597.3	536.1	467.1	394.4	325.5	266.1	222.1	202.9
26°	668.2	666.2	643.3	595.4	532.2	461.4	388.6	319.7	260.4	214.4	197.2
27.5°	666.2	664.3	639.4	589.7	524.6	451.8	377.2	308.2	248.9	204.8	185.7
30°	654.8	650.9	626.0	576.3	507.3	432.7	358.0	291.0	231.7	187.6	170.4
32.5°	629.9	626.0	599.2	553.3	488.2	411.6	336.9	271.9	214.4	170.4	155.1
35°	599.2	595.4	568.6	524.6	461.4	396.3	314.0	250.8	195.3	157.0	141.7
37.5°	560.9	555.2	532.2	486.3	428.8	379.1	294.8	229.7	178.0	141.7	128.3
40°	513.1	511.2	490.1	448.0	390.6	348.4	283.3	229.7	162.7	128.3	116.8
42.5°	467.1	463.3	444.2	407.8	356.1	304.4	248.9	220.2	151.2	114.9	105.3
45°	419.3	415.4	398.2	367.6	319.7	268.0	228.0	189.5	130.2	105.3	95.7
47.5°	367.6	363.8	350.3	327.4	285.3	239.3	195.3	155.1	118.7	93.8	86.2
50°	315.9	317.8	306.3	283.3	250.8	208.7	168.5	130.2	101.5	84.2	76.6
52.5°	264.2	262.3	254.6	239.3	216.3	180.0	143.6	111.0	88.1	74.7	70.8
55°	212.5	214.4	210.6	201.0	181.9	155.1	120.6	95.7	78.5	67.0	63.2
57.5°	176.1	178.0	170.4	164.6	149.3	126.4	99.6	80.4	67.0	59.3	55.5
60°	145.5	147.4	141.7	134.0	122.5	101.5	80.4	67.0	59.3	53.6	49.8
62.5°	118.7	116.8	113.0	105.3	95.7	80.4	65.1	55.5	49.8	45.9	44.0
65°	91.9	91.9	88.1	82.3	74.7	63.2	51.7	45.9	42.1	38.3	36.4
67.5°	68.9	68.9	65.1	61.3	53.6	45.9	40.2	36.4	34.5	30.6	28.7
70°	47.9	47.9	45.9	44.0	38.3	32.5	30.6	26.8	24.9	23.0	21.1
72.5°	30.6	30.6	30.6	26.8	24.9	21.1	21.1	19.1	17.2	15.3	15.3
75°	15.3	17.2	15.3	15.3	13.4	13.4	11.5	11.5	9.6	9.6	7.7
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	333.1	327.4	323.5	317.8	314.0	310.1	308.2	306.3	306.3	306.3
5°	323.5	314.0	304.4	294.8	289.1	283.3	277.6	275.7	273.8	273.8
7.5°	312.1	296.7	283.3	271.9	262.3	256.5	250.8	247.0	245.1	245.1
10°	296.7	277.6	262.3	247.0	237.4	229.7	225.9	220.2	220.2	218.3
12.5°	279.5	256.5	239.3	225.9	216.3	206.8	201.0	197.2	195.3	195.3
15°	260.4	237.4	218.3	202.9	193.4	183.8	178.0	174.2	172.3	172.3
17.5°	241.2	216.3	197.2	181.9	172.3	162.7	157.0	153.2	153.2	151.2
20°	222.1	197.2	178.0	162.7	153.2	145.5	139.8	135.9	134.0	135.9
22.5°	204.8	180.0	160.8	147.4	135.9	128.3	122.5	120.6	118.7	118.7
25°	185.7	162.7	145.5	132.1	122.5	114.9	109.1	107.2	105.3	103.4
26°	180.0	157.0	139.8	126.4	116.8	109.1	105.3	101.5	99.6	99.6
27.5°	172.3	147.4	132.1	118.7	109.1	103.4	97.6	95.7	93.8	93.8
30°	155.1	134.0	118.7	107.2	99.6	91.9	88.1	86.2	84.2	84.2
32.5°	141.7	120.6	107.2	97.6	90.0	84.2	80.4	76.6	76.6	76.6
35°	128.3	109.1	97.6	88.1	80.4	74.7	72.8	70.8	68.9	68.9
37.5°	116.8	99.6	88.1	80.4	74.7	68.9	65.1	63.2	63.2	63.2
40°	105.3	91.9	80.4	72.8	67.0	63.2	59.3	57.4	57.4	57.4
42.5°	95.7	82.3	74.7	67.0	61.3	57.4	55.5	53.6	51.7	51.7
45°	88.1	76.6	67.0	61.3	57.4	53.6	49.8	47.9	47.9	47.9
47.5°	78.5	70.8	61.3	55.5	51.7	47.9	45.9	44.0	44.0	44.0
50°	72.8	65.1	57.4	51.7	47.9	44.0	42.1	40.2	40.2	40.2
52.5°	65.1	59.3	53.6	47.9	44.0	40.2	38.3	36.4	36.4	36.4
55°	59.3	53.6	47.9	44.0	40.2	36.4	34.5	32.5	32.5	32.5
57.5°	53.6	47.9	44.0	40.2	36.4	34.5	30.6	30.6	28.7	28.7
60°	47.9	42.1	38.3	36.4	32.5	30.6	26.8	24.9	24.9	24.9
62.5°	40.2	38.3	34.5	30.6	26.8	24.9	23.0	21.1	21.1	21.1
65°	34.5	32.5	28.7	24.9	23.0	21.1	19.1	17.2	17.2	17.2
67.5°	28.7	24.9	23.0	21.1	19.1	17.2	15.3	13.4	11.5	13.4
70°	21.1	19.1	17.2	15.3	13.4	11.5	9.6	9.6	7.7	7.7
72.5°	13.4	11.5	11.5	9.6	7.7	7.7	5.7	5.7	3.8	3.8
75°	7.7	7.7	5.7	5.7	3.8	3.8	1.9	1.9	1.9	1.9
77.5°	3.8	1.9	1.9	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)