

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: P1445959

Luminaire Tested: P3ART17R709035DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

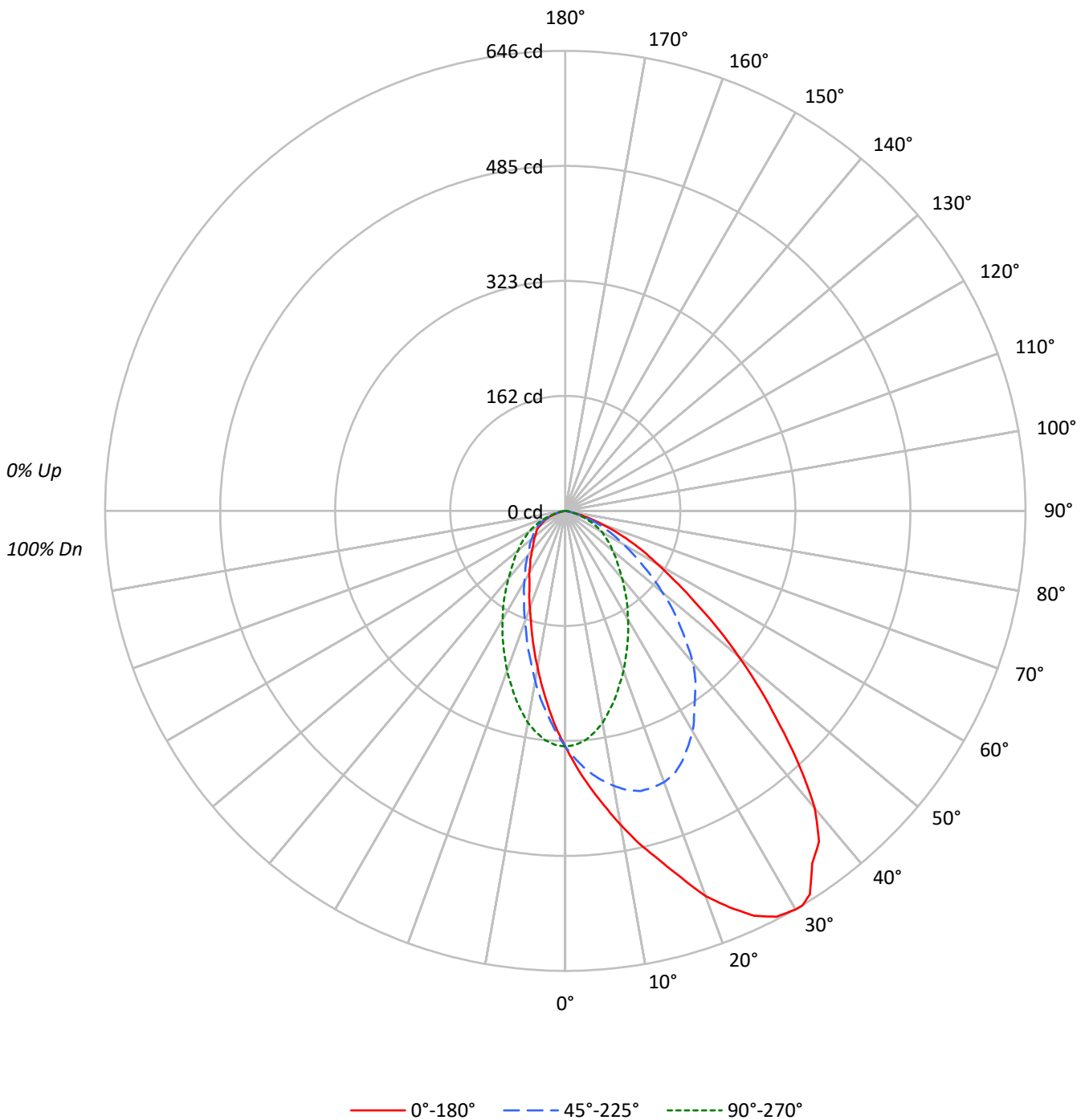
Test Method: LM-79-2019  
Report Number: P1445959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709035DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.0 lumens  
Efficiency: N/A  
Efficacy: 31.7 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

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

	0°	45°	90°	135°	180°
0°	72538	72538	72538	72538	72538
5°	85450	80805	71142	63130	60621
10°	99642	87284	67267	54063	49810
15°	115029	92464	61635	45585	40795
20°	134318	94602	55772	38363	33906
25°	151751	93925	49963	32857	28695
30°	163645	90546	44538	29042	25650
35°	161740	84966	39940	26100	23022
40°	156007	79921	35581	23530	20810
45°	132231	70550	32034	21956	19568
50°	108278	60655	29338	20878	18933
55°	84069	50426	27794	20453	19001
60°	65433	41926	26007	20130	17630
65°	51575	34712	22830	18835	16863
70°	35583	25774	18401	15964	14682
75°	17792	14572	12963	11353	9743
80°	2399	4799	7198	4799	2399
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 132231 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	4.6
10°-20°	86.2	12.8
20°-30°	127.0	18.9
30°-40°	142.4	21.2
40°-50°	125.2	18.6
50°-60°	89.6	13.3
60°-70°	53.1	7.9
70°-80°	17.8	2.6
80°-90°	0.8	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°	244.1	36.3
0°-40°	386.5	57.4
0°-60°	601.3	89.3
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	331	331	331	331	331	
5°	388	367	323	287	275	39
15°	507	407	272	201	180	146
25°	627	388	206	136	119	288
35°	604	317	149	98	86	380
45°	426	228	103	71	63	330
55°	220	132	73	54	50	201
65°	99	67	44	36	32	99
75°	21	17	15	13	12	26
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°	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8
2.5°	359.5	359.5	359.5	355.7	355.7	349.9	346.1	340.4	336.5	330.8	328.9
5°	388.2	388.2	384.3	380.5	374.8	367.1	357.6	348.0	336.5	327.0	323.2
7.5°	416.9	418.8	413.0	405.4	393.9	380.5	367.1	351.8	334.6	321.2	313.6
10°	447.5	447.5	439.8	428.3	411.1	392.0	371.0	349.9	328.9	309.8	302.1
12.5°	478.0	476.1	466.6	449.4	428.3	401.6	372.9	346.1	321.2	298.3	286.8
15°	506.7	506.7	493.3	472.3	441.7	407.3	372.9	338.5	309.8	283.0	271.5
17.5°	539.2	539.2	522.0	489.5	451.3	407.3	367.1	328.9	296.4	267.7	254.3
20°	575.6	573.7	548.8	504.8	455.1	405.4	359.5	317.4	281.1	250.5	239.0
22.5°	602.3	600.4	571.7	518.2	457.0	399.6	346.1	302.1	265.8	235.2	221.8
25°	627.2	623.4	590.9	523.9	453.2	388.2	332.7	284.9	250.5	219.9	206.5
27.5°	642.5	640.6	604.2	522.0	443.6	372.9	315.5	269.6	233.3	202.7	191.2
30°	646.3	648.2	604.2	512.5	428.3	357.6	298.3	252.4	216.1	189.3	175.9
31°	646.3	648.2	600.4	506.7	422.6	349.9	290.7	246.7	208.4	181.7	170.2
32.5°	638.7	634.8	594.7	497.2	409.2	336.5	281.1	237.1	198.9	172.1	162.5
35°	604.2	606.2	575.6	476.1	390.1	317.4	262.0	218.0	181.7	158.7	149.2
37.5°	585.1	585.1	529.7	447.5	369.1	300.2	239.0	197.0	166.4	145.3	135.8
40°	545.0	539.2	487.6	416.9	344.2	279.2	225.6	183.6	153.0	131.9	124.3
42.5°	487.6	481.9	441.7	390.1	311.7	252.4	214.2	162.5	137.7	120.5	112.8
45°	426.4	422.6	392.0	344.2	281.1	227.5	185.5	149.2	126.2	109.0	103.3
47.5°	371.0	365.2	342.3	305.9	254.3	204.6	160.6	133.9	112.8	99.4	95.6
50°	317.4	315.5	296.4	267.7	225.6	177.8	141.5	118.6	103.3	91.8	86.0
52.5°	267.7	263.9	254.3	231.4	197.0	154.9	124.3	105.2	91.8	84.1	80.3
55°	219.9	219.9	210.3	195.0	168.3	131.9	109.0	93.7	82.2	76.5	72.7
57.5°	181.7	181.7	174.0	164.4	139.6	112.8	95.6	82.2	74.6	68.8	65.0
60°	149.2	149.2	143.4	133.9	116.6	95.6	82.2	72.7	66.9	61.2	59.3
62.5°	124.3	122.4	118.6	109.0	95.6	80.3	70.8	63.1	57.4	53.5	51.6
65°	99.4	97.5	93.7	86.0	76.5	66.9	59.3	53.5	49.7	45.9	44.0
67.5°	76.5	76.5	72.7	66.9	59.3	53.5	47.8	44.0	40.2	38.2	36.3
70°	55.5	55.5	53.5	49.7	44.0	40.2	36.3	34.4	32.5	30.6	28.7
72.5°	38.2	38.2	36.3	34.4	30.6	28.7	24.9	24.9	22.9	22.9	21.0
75°	21.0	21.0	21.0	19.1	19.1	17.2	17.2	17.2	15.3	15.3	15.3
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
80°	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	5.7	5.7	5.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
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°	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8	330.8
2.5°	327.0	321.2	317.4	315.5	309.8	307.9	305.9	304.0	304.0	304.0
5°	319.3	309.8	300.2	294.5	286.8	283.0	279.2	277.3	275.4	275.4
7.5°	305.9	294.5	283.0	273.4	265.8	258.1	254.3	250.5	250.5	248.6
10°	292.6	277.3	263.9	250.5	242.8	233.3	229.5	225.6	223.7	223.7
12.5°	277.3	258.1	242.8	231.4	219.9	212.3	206.5	202.7	200.8	200.8
15°	260.1	240.9	223.7	212.3	200.8	191.2	185.5	181.7	179.7	179.7
17.5°	242.8	223.7	204.6	193.1	181.7	172.1	168.3	164.4	162.5	160.6
20°	227.5	204.6	189.3	174.0	164.4	156.8	151.1	147.2	145.3	145.3
22.5°	210.3	189.3	172.1	160.6	151.1	143.4	135.8	133.9	131.9	131.9
25°	193.1	174.0	158.7	147.2	135.8	130.0	124.3	120.5	120.5	118.6
27.5°	179.7	160.6	145.3	133.9	126.2	118.6	114.7	110.9	109.0	109.0
30°	164.4	147.2	133.9	124.3	114.7	109.0	105.2	101.3	101.3	101.3
31°	160.6	143.4	130.0	118.6	110.9	105.2	101.3	99.4	97.5	97.5
32.5°	151.1	135.8	122.4	112.8	105.2	99.4	95.6	93.7	93.7	91.8
35°	139.6	124.3	112.8	103.3	97.5	91.8	88.0	86.0	86.0	86.0
37.5°	128.1	114.7	103.3	95.6	89.9	84.1	82.2	78.4	78.4	78.4
40°	116.6	105.2	95.6	88.0	82.2	78.4	76.5	74.6	72.7	72.7
42.5°	107.1	95.6	88.0	82.2	76.5	72.7	70.8	68.8	68.8	66.9
45°	97.5	88.0	82.2	76.5	70.8	68.8	66.9	65.0	63.1	63.1
47.5°	89.9	82.2	74.6	70.8	66.9	63.1	61.2	61.2	59.3	59.3
50°	82.2	74.6	68.8	65.0	61.2	59.3	57.4	57.4	55.5	55.5
52.5°	76.5	68.8	65.0	61.2	57.4	55.5	53.5	53.5	51.6	51.6
55°	68.8	63.1	59.3	57.4	53.5	51.6	49.7	47.8	47.8	49.7
57.5°	63.1	59.3	55.5	53.5	49.7	47.8	45.9	45.9	44.0	45.9
60°	57.4	53.5	49.7	47.8	45.9	44.0	42.1	40.2	40.2	40.2
62.5°	51.6	47.8	45.9	42.1	40.2	40.2	38.2	38.2	38.2	36.3
65°	44.0	42.1	40.2	38.2	36.3	34.4	34.4	32.5	32.5	32.5
67.5°	36.3	34.4	32.5	32.5	30.6	28.7	28.7	28.7	28.7	26.8
70°	28.7	26.8	26.8	24.9	24.9	24.9	22.9	22.9	22.9	22.9
72.5°	21.0	21.0	19.1	19.1	19.1	19.1	17.2	17.2	17.2	17.2
75°	15.3	15.3	15.3	13.4	13.4	13.4	11.5	11.5	11.5	11.5
77.5°	9.6	9.6	9.6	9.6	9.6	7.6	7.6	7.6	7.6	7.6
80°	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8	3.8	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	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)