

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: P1445825

Luminaire Tested: P3ART17R709030DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

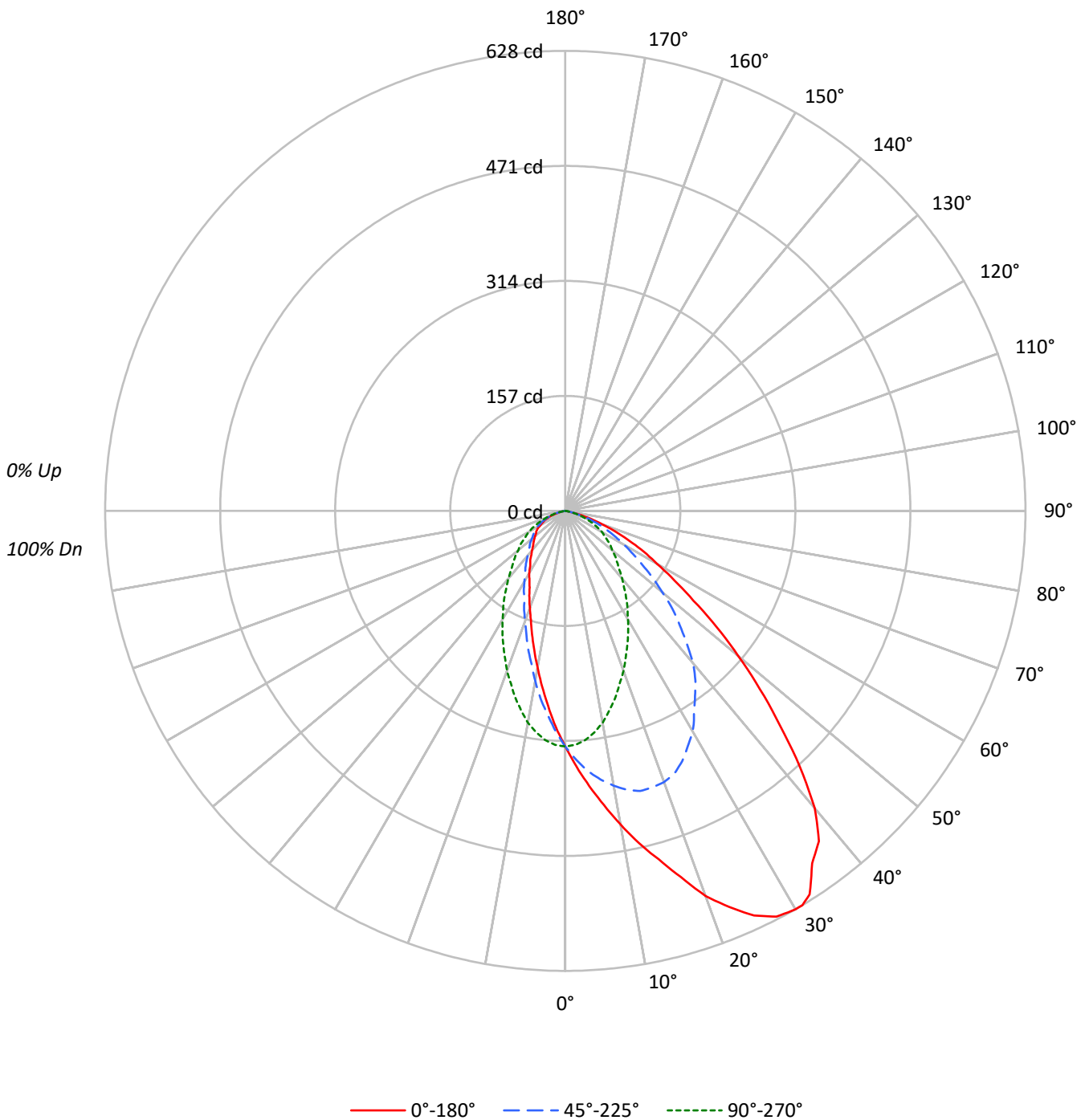
Test Method: LM-79-2019  
Report Number: P1445825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709030DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 654.0 lumens  
Efficiency: N/A  
Efficacy: 30.8 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	0
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	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	70499	70499	70499	70499	70499
5°	83029	78538	69117	61347	58904
10°	96814	84813	65374	52549	48407
15°	111783	89853	59910	44291	39660
20°	130515	91918	54208	37290	32950
25°	147468	91263	48559	31913	27873
30°	159037	87988	43298	28232	24941
35°	157189	82583	38789	25377	22379
40°	151598	77660	34579	22871	20209
45°	128509	68565	31104	21336	19010
50°	105242	58949	28519	20298	18387
55°	81698	49011	26991	19880	18465
60°	63548	40742	25261	19560	17104
65°	50122	33726	22155	18316	16396
70°	34557	25004	17888	15515	14297
75°	17284	14149	12624	11014	9404
80°	2399	4672	7072	4672	2399
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 128509 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.1	4.6
10°-20°	83.7	12.8
20°-30°	123.4	18.9
30°-40°	138.4	21.2
40°-50°	121.7	18.6
50°-60°	87.0	13.3
60°-70°	51.6	7.9
70°-80°	17.3	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°	237.2	36.3
0°-40°	375.6	57.4
0°-60°	584.3	89.3
0°-90°	654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	322	322	322	322	322	
5°	377	357	314	279	268	38
15°	492	396	264	195	175	142
25°	610	377	201	132	115	280
35°	587	308	145	95	84	369
45°	414	221	100	69	61	321
55°	214	128	71	52	48	195
65°	97	65	43	35	32	96
75°	20	17	15	13	11	25
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°	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5
2.5°	349.3	349.3	349.3	345.6	345.6	340.1	336.3	330.8	327.0	321.5	319.6
5°	377.2	377.2	373.5	369.8	364.2	356.8	347.5	338.2	327.0	317.8	314.0
7.5°	405.1	406.9	401.4	393.9	382.8	369.8	356.8	341.9	325.2	312.2	304.7
10°	434.8	434.8	427.4	416.2	399.5	380.9	360.5	340.1	319.6	301.0	293.6
12.5°	464.5	462.7	453.4	436.7	416.2	390.2	362.3	336.3	312.2	289.9	278.7
15°	492.4	492.4	479.4	459.0	429.2	395.8	362.3	328.9	301.0	275.0	263.9
17.5°	524.0	524.0	507.3	475.7	438.5	395.8	356.8	319.6	288.0	260.1	247.1
20°	559.3	557.5	533.3	490.6	442.3	393.9	349.3	308.5	273.2	243.4	232.3
22.5°	585.3	583.5	555.6	503.6	444.1	388.4	336.3	293.6	258.3	228.6	215.6
25°	609.5	605.8	574.2	509.1	440.4	377.2	323.3	276.9	243.4	213.7	200.7
27.5°	624.4	622.5	587.2	507.3	431.1	362.3	306.6	262.0	226.7	197.0	185.8
30°	628.1	629.9	587.2	498.0	416.2	347.5	289.9	245.3	210.0	184.0	171.0
31°	628.1	629.9	583.5	492.4	410.7	340.1	282.4	239.7	202.5	176.5	165.4
32.5°	620.6	616.9	577.9	483.1	397.7	327.0	273.2	230.4	193.3	167.2	157.9
35°	587.2	589.0	559.3	462.7	379.1	308.5	254.6	211.8	176.5	154.2	144.9
37.5°	568.6	568.6	514.7	434.8	358.6	291.7	232.3	191.4	161.7	141.2	131.9
40°	529.6	524.0	473.8	405.1	334.5	271.3	219.3	178.4	148.7	128.2	120.8
42.5°	473.8	468.3	429.2	379.1	302.9	245.3	208.1	157.9	133.8	117.1	109.6
45°	414.4	410.7	380.9	334.5	273.2	221.1	180.2	144.9	122.6	105.9	100.3
47.5°	360.5	354.9	332.6	297.3	247.1	198.8	156.1	130.1	109.6	96.6	92.9
50°	308.5	306.6	288.0	260.1	219.3	172.8	137.5	115.2	100.3	89.2	83.6
52.5°	260.1	256.4	247.1	224.8	191.4	150.5	120.8	102.2	89.2	81.8	78.0
55°	213.7	213.7	204.4	189.5	163.5	128.2	105.9	91.1	79.9	74.3	70.6
57.5°	176.5	176.5	169.1	159.8	135.6	109.6	92.9	79.9	72.5	66.9	63.2
60°	144.9	144.9	139.4	130.1	113.4	92.9	79.9	70.6	65.0	59.5	57.6
62.5°	120.8	118.9	115.2	105.9	92.9	78.0	68.8	61.3	55.7	52.0	50.2
65°	96.6	94.8	91.1	83.6	74.3	65.0	57.6	52.0	48.3	44.6	42.7
67.5°	74.3	74.3	70.6	65.0	57.6	52.0	46.5	42.7	39.0	37.2	35.3
70°	53.9	53.9	52.0	48.3	42.7	39.0	35.3	33.4	31.6	29.7	27.9
72.5°	37.2	37.2	35.3	33.4	29.7	27.9	24.2	24.2	22.3	22.3	20.4
75°	20.4	20.4	20.4	18.6	18.6	16.7	16.7	16.7	14.9	14.9	14.9
77.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
80°	1.9	1.9	1.9	1.9	3.7	3.7	3.7	3.7	5.6	5.6	5.6
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°	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5
2.5°	317.8	312.2	308.5	306.6	301.0	299.2	297.3	295.5	295.5	295.5
5°	310.3	301.0	291.7	286.2	278.7	275.0	271.3	269.4	267.6	267.6
7.5°	297.3	286.2	275.0	265.7	258.3	250.9	247.1	243.4	243.4	241.6
10°	284.3	269.4	256.4	243.4	236.0	226.7	223.0	219.3	217.4	217.4
12.5°	269.4	250.9	236.0	224.8	213.7	206.3	200.7	197.0	195.1	195.1
15°	252.7	234.1	217.4	206.3	195.1	185.8	180.2	176.5	174.7	174.7
17.5°	236.0	217.4	198.8	187.7	176.5	167.2	163.5	159.8	157.9	156.1
20°	221.1	198.8	184.0	169.1	159.8	152.4	146.8	143.1	141.2	141.2
22.5°	204.4	184.0	167.2	156.1	146.8	139.4	131.9	130.1	128.2	128.2
25°	187.7	169.1	154.2	143.1	131.9	126.4	120.8	117.1	117.1	115.2
27.5°	174.7	156.1	141.2	130.1	122.6	115.2	111.5	107.8	105.9	105.9
30°	159.8	143.1	130.1	120.8	111.5	105.9	102.2	98.5	98.5	98.5
31°	156.1	139.4	126.4	115.2	107.8	102.2	98.5	96.6	94.8	94.8
32.5°	146.8	131.9	118.9	109.6	102.2	96.6	92.9	91.1	91.1	89.2
35°	135.6	120.8	109.6	100.3	94.8	89.2	85.5	83.6	83.6	83.6
37.5°	124.5	111.5	100.3	92.9	87.3	81.8	79.9	76.2	76.2	76.2
40°	113.4	102.2	92.9	85.5	79.9	76.2	74.3	72.5	70.6	70.6
42.5°	104.1	92.9	85.5	79.9	74.3	70.6	68.8	66.9	66.9	65.0
45°	94.8	85.5	79.9	74.3	68.8	66.9	65.0	63.2	61.3	61.3
47.5°	87.3	79.9	72.5	68.8	65.0	61.3	59.5	59.5	57.6	57.6
50°	79.9	72.5	66.9	63.2	59.5	57.6	55.7	55.7	53.9	53.9
52.5°	74.3	66.9	63.2	59.5	55.7	53.9	52.0	52.0	50.2	50.2
55°	66.9	61.3	57.6	55.7	52.0	50.2	48.3	46.5	46.5	48.3
57.5°	61.3	57.6	53.9	52.0	48.3	46.5	44.6	44.6	42.7	44.6
60°	55.7	52.0	48.3	46.5	44.6	42.7	40.9	39.0	39.0	39.0
62.5°	50.2	46.5	44.6	40.9	39.0	39.0	37.2	37.2	37.2	35.3
65°	42.7	40.9	39.0	37.2	35.3	33.4	33.4	31.6	31.6	31.6
67.5°	35.3	33.4	31.6	31.6	29.7	27.9	27.9	27.9	27.9	26.0
70°	27.9	26.0	26.0	24.2	24.2	24.2	22.3	22.3	22.3	22.3
72.5°	20.4	20.4	18.6	18.6	18.6	18.6	16.7	16.7	16.7	16.7
75°	14.9	14.9	14.9	13.0	13.0	13.0	11.1	11.1	11.1	11.1
77.5°	9.3	9.3	9.3	9.3	9.3	7.4	7.4	7.4	7.4	7.4
80°	5.6	5.6	5.6	5.6	3.7	3.7	3.7	3.7	3.7	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)