

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: P1445823

Luminaire Tested: P3ART17R709030DE010 E3CLSWW1MW

Issue Date: 5/8/2026

**Test Information**

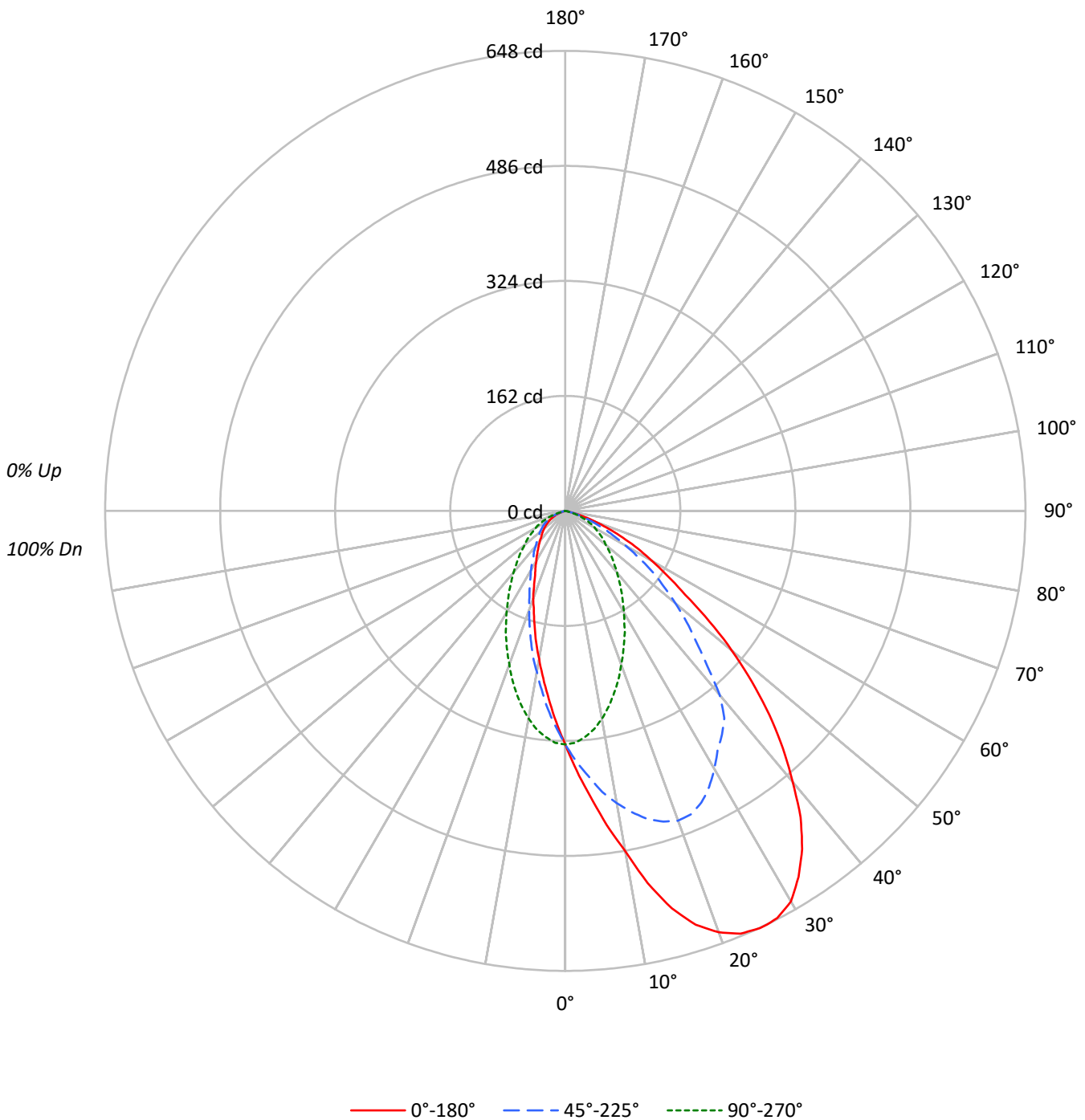
Test Method: LM-79-2019  
Report Number: P1445823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709030DE010 E3CLSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 655.0 lumens  
Efficiency: N/A  
Efficacy: 30.9 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	72099	72099	72099	72099	72099
5°	88730	82610	70328	61743	58485
10°	108370	93073	66176	51302	47160
15°	131579	102066	60318	42588	37957
20°	147386	108369	53765	34676	30779
25°	156880	109676	47640	28768	24268
30°	160886	106320	41855	24459	20687
35°	155663	102954	36808	20880	17909
40°	142524	96781	32432	18606	15944
45°	126153	80660	28809	17273	14389
50°	104559	69081	25347	15829	13304
55°	78831	57537	23435	14910	12081
60°	61925	43198	21183	13859	10613
65°	46283	31806	18316	11571	8665
70°	29749	20260	13079	8335	4744
75°	12624	11014	6270	3135	1610
80°	2399	2399	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 126153 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	4.8
10°-20°	89.8	13.7
20°-30°	131.3	20.0
30°-40°	143.0	21.8
40°-50°	123.8	18.9
50°-60°	82.9	12.7
60°-70°	42.8	6.5
70°-80°	10.1	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°	252.2	38.5
0°-40°	395.3	60.3
0°-60°	601.9	91.9
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	329	329	329	329	329	
5°	403	375	320	280	266	41
15°	580	450	266	188	167	164
25°	648	453	197	119	100	298
35°	582	385	138	78	67	360
45°	407	260	93	56	46	311
55°	206	150	61	39	32	191
65°	89	61	35	22	17	90
75°	15	13	7	4	2	19
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°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8
2.5°	366.0	364.1	364.1	360.4	356.7	353.0	347.4	341.8	336.3	330.7	327.0
5°	403.1	405.0	403.1	395.7	386.4	375.3	364.1	351.1	338.1	327.0	319.5
7.5°	445.9	445.9	440.3	431.0	418.0	399.4	380.8	358.5	338.1	319.5	310.2
10°	486.7	486.7	477.4	462.6	442.1	418.0	392.0	362.3	334.4	308.4	297.2
12.5°	536.9	535.0	523.9	499.7	470.0	434.7	399.4	362.3	328.8	297.2	282.4
15°	579.6	577.8	562.9	533.2	494.2	449.6	401.3	358.5	317.7	282.4	265.7
17.5°	611.2	607.5	590.8	559.2	514.6	458.9	403.1	351.1	304.7	265.7	248.9
20°	631.6	629.8	611.2	574.0	525.7	464.4	401.3	341.8	291.7	248.9	230.4
22.5°	644.6	640.9	622.3	581.5	525.7	462.6	393.8	328.8	274.9	232.2	213.6
25°	648.4	646.5	624.2	579.6	520.2	453.3	382.7	315.8	258.2	215.5	196.9
26°	648.4	646.5	624.2	577.8	516.5	447.7	377.1	310.2	252.7	208.1	191.3
27.5°	646.5	644.6	620.5	572.2	509.0	438.4	366.0	299.1	241.5	198.8	180.2
30°	635.4	631.6	607.5	559.2	492.3	419.9	347.4	282.4	224.8	182.1	165.3
32.5°	611.2	607.5	581.5	536.9	473.7	399.4	327.0	263.8	208.1	165.3	150.5
35°	581.5	577.8	551.8	509.0	447.7	384.6	304.7	243.4	189.5	152.3	137.5
37.5°	544.3	538.7	516.5	471.9	416.1	367.8	286.1	222.9	172.8	137.5	124.5
40°	497.9	496.0	475.6	434.7	379.0	338.1	274.9	222.9	157.9	124.5	113.3
42.5°	453.3	449.6	431.0	395.7	345.5	295.4	241.5	213.6	146.8	111.5	102.2
45°	406.8	403.1	386.4	356.7	310.2	260.1	260.1	183.9	126.3	102.2	92.9
47.5°	356.7	353.0	340.0	317.7	276.8	232.2	189.5	150.5	115.2	91.0	83.6
50°	306.5	308.4	297.2	274.9	243.4	202.5	163.5	126.3	98.5	81.7	74.3
52.5°	256.4	254.5	247.1	232.2	209.9	174.6	139.3	107.7	85.5	72.5	68.7
55°	206.2	208.1	204.4	195.1	176.5	150.5	117.0	92.9	76.2	65.0	61.3
57.5°	170.9	172.8	165.3	159.8	144.9	122.6	96.6	78.0	65.0	57.6	53.9
60°	141.2	143.0	137.5	130.0	118.9	98.5	78.0	65.0	57.6	52.0	48.3
62.5°	115.2	113.3	109.6	102.2	92.9	78.0	63.2	53.9	48.3	44.6	42.7
65°	89.2	89.2	85.5	79.9	72.5	61.3	50.2	44.6	40.9	37.2	35.3
67.5°	66.9	66.9	63.2	59.4	52.0	44.6	39.0	35.3	33.4	29.7	27.9
70°	46.4	46.4	44.6	42.7	37.2	31.6	29.7	26.0	24.2	22.3	20.4
72.5°	29.7	29.7	29.7	26.0	24.2	20.4	20.4	18.6	16.7	14.9	14.9
75°	14.9	16.7	14.9	14.9	13.0	13.0	11.1	11.1	9.3	9.3	7.4
77.5°	5.6	5.6	5.6	5.6	5.6	5.6	3.7	3.7	3.7	3.7	3.7
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°	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8
2.5°	323.2	317.7	314.0	308.4	304.7	301.0	299.1	297.2	297.2	297.2
5°	314.0	304.7	295.4	286.1	280.5	274.9	269.4	267.5	265.7	265.7
7.5°	302.8	288.0	274.9	263.8	254.5	248.9	243.4	239.6	237.8	237.8
10°	288.0	269.4	254.5	239.6	230.4	222.9	219.2	213.6	213.6	211.8
12.5°	271.2	248.9	232.2	219.2	209.9	200.6	195.1	191.3	189.5	189.5
15°	252.7	230.4	211.8	196.9	187.6	178.3	172.8	169.1	167.2	167.2
17.5°	234.1	209.9	191.3	176.5	167.2	157.9	152.3	148.6	148.6	146.8
20°	215.5	191.3	172.8	157.9	148.6	141.2	135.6	131.9	130.0	131.9
22.5°	198.8	174.6	156.1	143.0	131.9	124.5	118.9	117.0	115.2	115.2
25°	180.2	157.9	141.2	128.2	118.9	111.5	105.9	104.0	102.2	100.3
26°	174.6	152.3	135.6	122.6	113.3	105.9	102.2	98.5	96.6	96.6
27.5°	167.2	143.0	128.2	115.2	105.9	100.3	94.7	92.9	91.0	91.0
30°	150.5	130.0	115.2	104.0	96.6	89.2	85.5	83.6	81.7	81.7
32.5°	137.5	117.0	104.0	94.7	87.3	81.7	78.0	74.3	74.3	74.3
35°	124.5	105.9	94.7	85.5	78.0	72.5	70.6	68.7	66.9	66.9
37.5°	113.3	96.6	85.5	78.0	72.5	66.9	63.2	61.3	61.3	61.3
40°	102.2	89.2	78.0	70.6	65.0	61.3	57.6	55.7	55.7	55.7
42.5°	92.9	79.9	72.5	65.0	59.4	55.7	53.9	52.0	50.2	50.2
45°	85.5	74.3	65.0	59.4	55.7	52.0	48.3	46.4	46.4	46.4
47.5°	76.2	68.7	59.4	53.9	50.2	46.4	44.6	42.7	42.7	42.7
50°	70.6	63.2	55.7	50.2	46.4	42.7	40.9	39.0	39.0	39.0
52.5°	63.2	57.6	52.0	46.4	42.7	39.0	37.2	35.3	35.3	35.3
55°	57.6	52.0	46.4	42.7	39.0	35.3	33.4	31.6	31.6	31.6
57.5°	52.0	46.4	42.7	39.0	35.3	33.4	29.7	29.7	27.9	27.9
60°	46.4	40.9	37.2	35.3	31.6	29.7	26.0	24.2	24.2	24.2
62.5°	39.0	37.2	33.4	29.7	26.0	24.2	22.3	20.4	20.4	20.4
65°	33.4	31.6	27.9	24.2	22.3	20.4	18.6	16.7	16.7	16.7
67.5°	27.9	24.2	22.3	20.4	18.6	16.7	14.9	13.0	11.1	13.0
70°	20.4	18.6	16.7	14.9	13.0	11.1	9.3	9.3	7.4	7.4
72.5°	13.0	11.1	11.1	9.3	7.4	7.4	5.6	5.6	3.7	3.7
75°	7.4	7.4	5.6	5.6	3.7	3.7	1.9	1.9	1.9	1.9
77.5°	3.7	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)