

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: P1446869

Luminaire Tested: P3ART17R709827DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

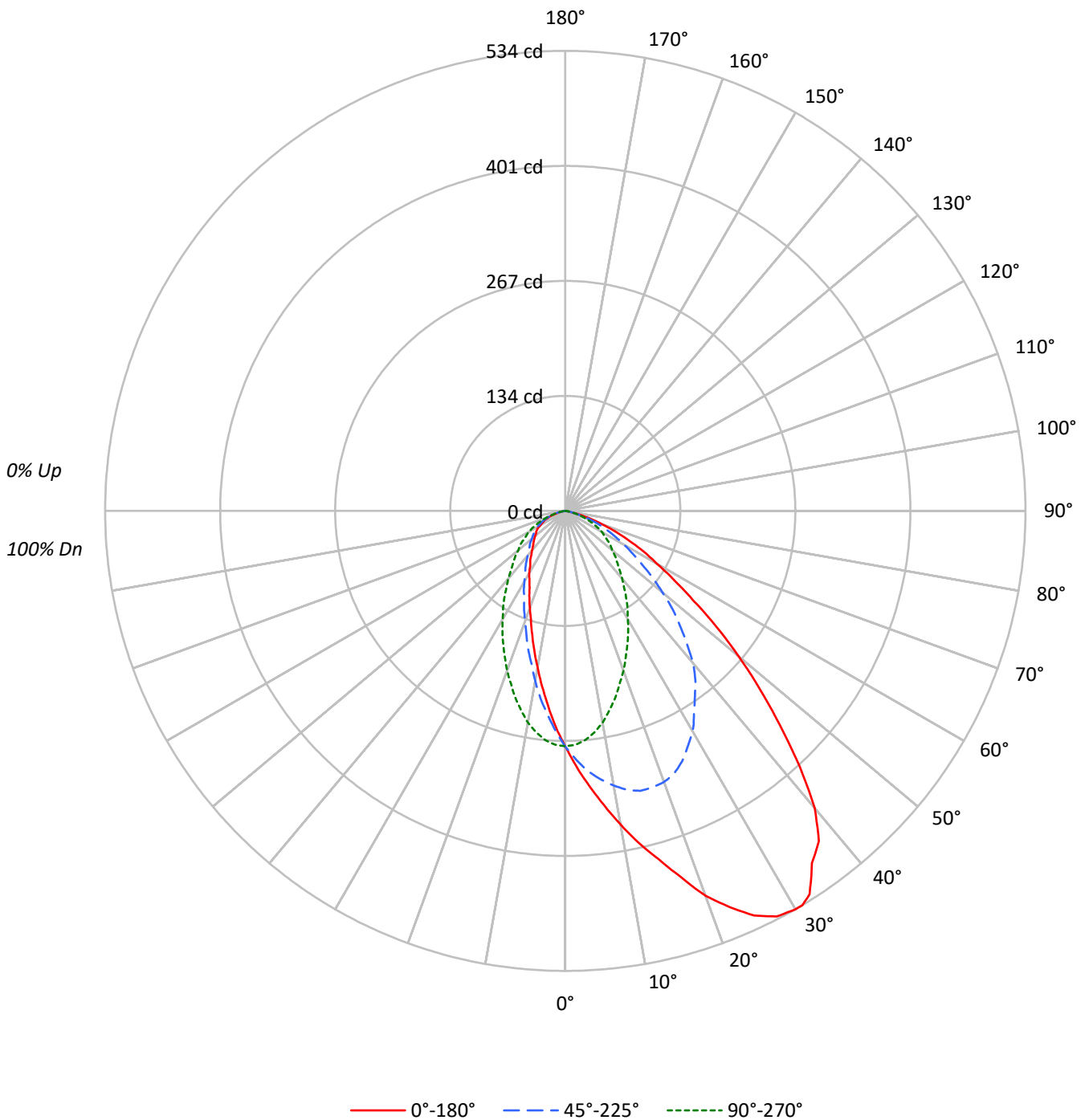
Test Method: LM-79-2019  
Report Number: P1446869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709827DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 556.0 lumens  
Efficiency: N/A  
Efficacy: 27.3 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): 20.4  
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		
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°	59929	59929	59929	59929	59929
5°	70592	66762	58772	52168	50077
10°	82319	72098	55577	44666	41148
15°	95029	76391	50920	37662	33712
20°	110960	78150	46087	31713	28026
25°	125378	77593	41277	27147	23687
30°	135211	74796	36790	24004	21193
35°	133632	70189	32980	21576	19033
40°	128870	66009	29398	19436	17175
45°	109252	58301	26452	18141	16157
50°	89447	50113	24255	17262	15624
55°	69465	41671	22938	16898	15713
60°	54031	34646	21490	16621	14560
65°	42599	28693	18835	15566	13957
70°	29364	21286	15195	13143	12182
75°	14742	12031	10675	9404	8049
80°	2020	4041	5935	4041	2020
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 109252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.6	4.6
10°-20°	71.2	12.8
20°-30°	104.9	18.9
30°-40°	117.6	21.2
40°-50°	103.4	18.6
50°-60°	74.0	13.3
60°-70°	43.8	7.9
70°-80°	14.7	2.6
80°-90°	0.7	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°	201.7	36.3
0°-40°	319.3	57.4
0°-60°	496.8	89.3
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	321	303	267	237	228	32
15°	419	336	224	166	148	121
25°	518	321	171	112	98	238
35°	499	262	123	81	71	314
45°	352	188	85	58	52	272
55°	182	109	60	44	41	166
65°	82	55	36	30	27	82
75°	17	14	13	11	10	21
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°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	297.0	297.0	297.0	293.8	293.8	289.1	285.9	281.2	278.0	273.3	271.7
5°	320.7	320.7	317.5	314.4	309.6	303.3	295.4	287.5	278.0	270.1	267.0
7.5°	344.4	346.0	341.2	334.9	325.4	314.4	303.3	290.7	276.5	265.4	259.1
10°	369.7	369.7	363.3	353.9	339.6	323.8	306.5	289.1	271.7	255.9	249.6
12.5°	394.9	393.4	385.5	371.2	353.9	331.7	308.1	285.9	265.4	246.4	237.0
15°	418.6	418.6	407.6	390.2	364.9	336.5	308.1	279.6	255.9	233.8	224.3
17.5°	445.5	445.5	431.3	404.4	372.8	336.5	303.3	271.7	244.9	221.2	210.1
20°	475.5	473.9	453.4	417.1	376.0	334.9	297.0	262.2	232.2	206.9	197.5
22.5°	497.6	496.0	472.3	428.1	377.6	330.2	285.9	249.6	219.6	194.3	183.3
25°	518.2	515.0	488.1	432.9	374.4	320.7	274.9	235.4	206.9	181.7	170.6
27.5°	530.8	529.2	499.2	431.3	366.5	308.1	260.7	222.7	192.7	167.5	158.0
30°	534.0	535.5	499.2	423.4	353.9	295.4	246.4	208.5	178.5	156.4	145.3
31°	534.0	535.5	496.0	418.6	349.1	289.1	240.1	203.8	172.2	150.1	140.6
32.5°	527.6	524.5	491.3	410.7	338.1	278.0	232.2	195.9	164.3	142.2	134.3
35°	499.2	500.8	475.5	393.4	322.3	262.2	216.4	180.1	150.1	131.1	123.2
37.5°	483.4	483.4	437.6	369.7	304.9	248.0	197.5	162.7	137.4	120.1	112.2
40°	450.2	445.5	402.8	344.4	284.4	230.6	186.4	151.7	126.4	109.0	102.7
42.5°	402.8	398.1	364.9	322.3	257.5	208.5	176.9	134.3	113.7	99.5	93.2
45°	352.3	349.1	323.8	284.4	232.2	188.0	153.2	123.2	104.3	90.0	85.3
47.5°	306.5	301.7	282.8	252.8	210.1	169.0	132.7	110.6	93.2	82.1	79.0
50°	262.2	260.7	244.9	221.2	186.4	146.9	116.9	97.9	85.3	75.8	71.1
52.5°	221.2	218.0	210.1	191.2	162.7	128.0	102.7	86.9	75.8	69.5	66.3
55°	181.7	181.7	173.8	161.1	139.0	109.0	90.0	77.4	67.9	63.2	60.0
57.5°	150.1	150.1	143.8	135.9	115.3	93.2	79.0	67.9	61.6	56.9	53.7
60°	123.2	123.2	118.5	110.6	96.4	79.0	67.9	60.0	55.3	50.6	49.0
62.5°	102.7	101.1	97.9	90.0	79.0	66.3	58.5	52.1	47.4	44.2	42.7
65°	82.1	80.6	77.4	71.1	63.2	55.3	49.0	44.2	41.1	37.9	36.3
67.5°	63.2	63.2	60.0	55.3	49.0	44.2	39.5	36.3	33.2	31.6	30.0
70°	45.8	45.8	44.2	41.1	36.3	33.2	30.0	28.4	26.9	25.3	23.7
72.5°	31.6	31.6	30.0	28.4	25.3	23.7	20.5	20.5	19.0	19.0	17.4
75°	17.4	17.4	17.4	15.8	15.8	14.2	14.2	14.2	12.6	12.6	12.6
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2	4.7	4.7	4.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	270.1	265.4	262.2	260.7	255.9	254.3	252.8	251.2	251.2	251.2
5°	263.8	255.9	248.0	243.3	237.0	233.8	230.6	229.1	227.5	227.5
7.5°	252.8	243.3	233.8	225.9	219.6	213.3	210.1	206.9	206.9	205.4
10°	241.7	229.1	218.0	206.9	200.6	192.7	189.6	186.4	184.8	184.8
12.5°	229.1	213.3	200.6	191.2	181.7	175.4	170.6	167.5	165.9	165.9
15°	214.8	199.0	184.8	175.4	165.9	158.0	153.2	150.1	148.5	148.5
17.5°	200.6	184.8	169.0	159.6	150.1	142.2	139.0	135.9	134.3	132.7
20°	188.0	169.0	156.4	143.8	135.9	129.5	124.8	121.6	120.1	120.1
22.5°	173.8	156.4	142.2	132.7	124.8	118.5	112.2	110.6	109.0	109.0
25°	159.6	143.8	131.1	121.6	112.2	107.4	102.7	99.5	99.5	97.9
27.5°	148.5	132.7	120.1	110.6	104.3	97.9	94.8	91.6	90.0	90.0
30°	135.9	121.6	110.6	102.7	94.8	90.0	86.9	83.7	83.7	83.7
31°	132.7	118.5	107.4	97.9	91.6	86.9	83.7	82.1	80.6	80.6
32.5°	124.8	112.2	101.1	93.2	86.9	82.1	79.0	77.4	77.4	75.8
35°	115.3	102.7	93.2	85.3	80.6	75.8	72.7	71.1	71.1	71.1
37.5°	105.8	94.8	85.3	79.0	74.2	69.5	67.9	64.8	64.8	64.8
40°	96.4	86.9	79.0	72.7	67.9	64.8	63.2	61.6	60.0	60.0
42.5°	88.5	79.0	72.7	67.9	63.2	60.0	58.5	56.9	56.9	55.3
45°	80.6	72.7	67.9	63.2	58.5	56.9	55.3	53.7	52.1	52.1
47.5°	74.2	67.9	61.6	58.5	55.3	52.1	50.6	50.6	49.0	49.0
50°	67.9	61.6	56.9	53.7	50.6	49.0	47.4	47.4	45.8	45.8
52.5°	63.2	56.9	53.7	50.6	47.4	45.8	44.2	44.2	42.7	42.7
55°	56.9	52.1	49.0	47.4	44.2	42.7	41.1	39.5	39.5	41.1
57.5°	52.1	49.0	45.8	44.2	41.1	39.5	37.9	37.9	36.3	37.9
60°	47.4	44.2	41.1	39.5	37.9	36.3	34.8	33.2	33.2	33.2
62.5°	42.7	39.5	37.9	34.8	33.2	33.2	31.6	31.6	31.6	30.0
65°	36.3	34.8	33.2	31.6	30.0	28.4	28.4	26.9	26.9	26.9
67.5°	30.0	28.4	26.9	26.9	25.3	23.7	23.7	23.7	23.7	22.1
70°	23.7	22.1	22.1	20.5	20.5	20.5	19.0	19.0	19.0	19.0
72.5°	17.4	17.4	15.8	15.8	15.8	15.8	14.2	14.2	14.2	14.2
75°	12.6	12.6	12.6	11.1	11.1	11.1	9.5	9.5	9.5	9.5
77.5°	7.9	7.9	7.9	7.9	7.9	6.3	6.3	6.3	6.3	6.3
80°	4.7	4.7	4.7	4.7	3.2	3.2	3.2	3.2	3.2	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	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)