

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: P1446861

Luminaire Tested: P3ART17R709827DE010 E3CLSWW1MB

Issue Date: 5/8/2026

**Test Information**

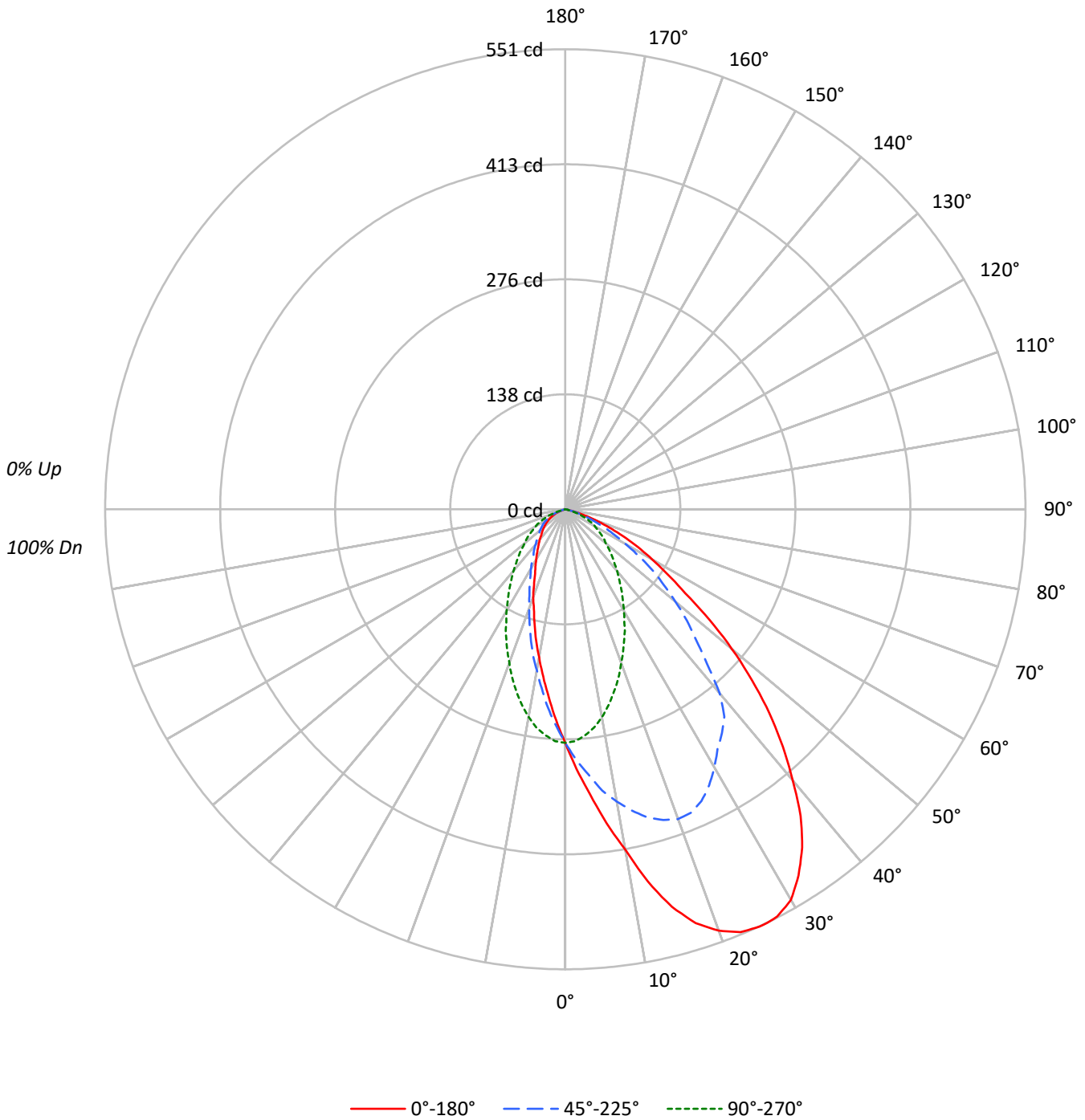
Test Method: LM-79-2019  
Report Number: P1446861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709827DE010 E3CLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 557.0 lumens  
Efficiency: N/A  
Efficacy: 27.3 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): 20.4  
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	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°	61311	61311	61311	61311	61311
5°	75457	70240	59806	52498	49725
10°	92160	79157	56289	43620	40102
15°	111896	86788	51283	36232	32282
20°	125334	92151	45714	29496	26182
25°	133387	93272	40527	24461	20638
30°	136806	90394	35600	20788	17598
35°	132374	87535	31293	17775	15232
40°	121199	82297	27595	15830	13568
45°	107298	68596	24499	14699	12249
50°	88935	58744	21560	13475	11326
55°	67056	48935	19918	12692	10284
60°	52671	36708	18025	11797	8991
65°	39330	27033	15566	9858	7368
70°	25325	17246	11156	7117	4039
75°	10675	9404	5338	2711	1356
80°	2020	2020	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 107298 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.5	4.8
10°-20°	76.3	13.7
20°-30°	111.6	20.0
30°-40°	121.6	21.8
40°-50°	105.3	18.9
50°-60°	70.5	12.7
60°-70°	36.4	6.5
70°-80°	8.6	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°	214.5	38.5
0°-40°	336.1	60.3
0°-60°	511.9	91.9
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	280	280	280	280	280	
5°	343	319	272	238	226	35
15°	493	382	226	160	142	140
25°	551	386	168	101	85	253
35°	494	327	117	66	57	306
45°	346	221	79	47	40	265
55°	175	128	52	33	27	162
65°	76	52	30	19	14	77
75°	13	11	6	3	2	17
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°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6
2.5°	311.2	309.6	309.6	306.5	303.3	300.2	295.4	290.7	285.9	281.2	278.0
5°	342.8	344.4	342.8	336.5	328.6	319.1	309.6	298.6	287.5	278.0	271.7
7.5°	379.2	379.2	374.4	366.5	355.5	339.7	323.9	304.9	287.5	271.7	263.8
10°	413.9	413.9	406.0	393.4	376.0	355.5	333.3	308.1	284.4	262.2	252.8
12.5°	456.6	455.0	445.5	425.0	399.7	369.7	339.7	308.1	279.6	252.8	240.1
15°	492.9	491.3	478.7	453.4	420.2	382.3	341.2	304.9	270.1	240.1	225.9
17.5°	519.8	516.6	502.4	475.5	437.6	390.2	342.8	298.6	259.1	225.9	211.7
20°	537.1	535.6	519.8	488.2	447.1	394.9	341.2	290.7	248.0	211.7	195.9
22.5°	548.2	545.0	529.2	494.5	447.1	393.4	334.9	279.6	233.8	197.5	181.7
25°	551.3	549.8	530.8	492.9	442.3	385.5	325.4	268.6	219.6	183.3	167.5
26°	551.3	549.8	530.8	491.3	439.2	380.7	320.7	263.8	214.9	176.9	162.7
27.5°	549.8	548.2	527.7	486.6	432.9	372.8	311.2	254.3	205.4	169.0	153.2
30°	540.3	537.1	516.6	475.5	418.6	357.0	295.4	240.1	191.2	154.8	140.6
32.5°	519.8	516.6	494.5	456.6	402.8	339.7	278.0	224.3	176.9	140.6	128.0
35°	494.5	491.3	469.2	432.9	380.7	327.0	259.1	207.0	161.1	129.5	116.9
37.5°	462.9	458.1	439.2	401.3	353.9	312.8	243.3	189.6	146.9	116.9	105.8
40°	423.4	421.8	404.4	369.7	322.3	287.5	233.8	189.6	134.3	105.8	96.4
42.5°	385.5	382.3	366.5	336.5	293.8	251.2	205.4	181.7	124.8	94.8	86.9
45°	346.0	342.8	328.6	303.3	263.8	221.2	221.2	156.4	107.4	86.9	79.0
47.5°	303.3	300.2	289.1	270.1	235.4	197.5	161.1	128.0	97.9	77.4	71.1
50°	260.7	262.2	252.8	233.8	207.0	172.2	139.0	107.4	83.7	69.5	63.2
52.5°	218.0	216.4	210.1	197.5	178.5	148.5	118.5	91.6	72.7	61.6	58.5
55°	175.4	176.9	173.8	165.9	150.1	128.0	99.5	79.0	64.8	55.3	52.1
57.5°	145.3	146.9	140.6	135.9	123.2	104.3	82.1	66.4	55.3	49.0	45.8
60°	120.1	121.6	116.9	110.6	101.1	83.7	66.4	55.3	49.0	44.2	41.1
62.5°	97.9	96.4	93.2	86.9	79.0	66.4	53.7	45.8	41.1	37.9	36.3
65°	75.8	75.8	72.7	67.9	61.6	52.1	42.7	37.9	34.8	31.6	30.0
67.5°	56.9	56.9	53.7	50.6	44.2	37.9	33.2	30.0	28.4	25.3	23.7
70°	39.5	39.5	37.9	36.3	31.6	26.9	25.3	22.1	20.5	19.0	17.4
72.5°	25.3	25.3	25.3	22.1	20.5	17.4	17.4	15.8	14.2	12.6	12.6
75°	12.6	14.2	12.6	12.6	11.1	11.1	9.5	9.5	7.9	7.9	6.3
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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°	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6	279.6
2.5°	274.9	270.1	267.0	262.2	259.1	255.9	254.3	252.8	252.8	252.8
5°	267.0	259.1	251.2	243.3	238.5	233.8	229.1	227.5	225.9	225.9
7.5°	257.5	244.9	233.8	224.3	216.4	211.7	207.0	203.8	202.2	202.2
10°	244.9	229.1	216.4	203.8	195.9	189.6	186.4	181.7	181.7	180.1
12.5°	230.7	211.7	197.5	186.4	178.5	170.6	165.9	162.7	161.1	161.1
15°	214.9	195.9	180.1	167.5	159.6	151.7	146.9	143.8	142.2	142.2
17.5°	199.1	178.5	162.7	150.1	142.2	134.3	129.5	126.4	126.4	124.8
20°	183.3	162.7	146.9	134.3	126.4	120.1	115.3	112.2	110.6	112.2
22.5°	169.0	148.5	132.7	121.6	112.2	105.8	101.1	99.5	97.9	97.9
25°	153.2	134.3	120.1	109.0	101.1	94.8	90.0	88.5	86.9	85.3
26°	148.5	129.5	115.3	104.3	96.4	90.0	86.9	83.7	82.1	82.1
27.5°	142.2	121.6	109.0	97.9	90.0	85.3	80.6	79.0	77.4	77.4
30°	128.0	110.6	97.9	88.5	82.1	75.8	72.7	71.1	69.5	69.5
32.5°	116.9	99.5	88.5	80.6	74.3	69.5	66.4	63.2	63.2	63.2
35°	105.8	90.0	80.6	72.7	66.4	61.6	60.0	58.5	56.9	56.9
37.5°	96.4	82.1	72.7	66.4	61.6	56.9	53.7	52.1	52.1	52.1
40°	86.9	75.8	66.4	60.0	55.3	52.1	49.0	47.4	47.4	47.4
42.5°	79.0	67.9	61.6	55.3	50.6	47.4	45.8	44.2	42.7	42.7
45°	72.7	63.2	55.3	50.6	47.4	44.2	41.1	39.5	39.5	39.5
47.5°	64.8	58.5	50.6	45.8	42.7	39.5	37.9	36.3	36.3	36.3
50°	60.0	53.7	47.4	42.7	39.5	36.3	34.8	33.2	33.2	33.2
52.5°	53.7	49.0	44.2	39.5	36.3	33.2	31.6	30.0	30.0	30.0
55°	49.0	44.2	39.5	36.3	33.2	30.0	28.4	26.9	26.9	26.9
57.5°	44.2	39.5	36.3	33.2	30.0	28.4	25.3	25.3	23.7	23.7
60°	39.5	34.8	31.6	30.0	26.9	25.3	22.1	20.5	20.5	20.5
62.5°	33.2	31.6	28.4	25.3	22.1	20.5	19.0	17.4	17.4	17.4
65°	28.4	26.9	23.7	20.5	19.0	17.4	15.8	14.2	14.2	14.2
67.5°	23.7	20.5	19.0	17.4	15.8	14.2	12.6	11.1	9.5	11.1
70°	17.4	15.8	14.2	12.6	11.1	9.5	7.9	7.9	6.3	6.3
72.5°	11.1	9.5	9.5	7.9	6.3	6.3	4.7	4.7	3.2	3.2
75°	6.3	6.3	4.7	4.7	3.2	3.2	1.6	1.6	1.6	1.6
77.5°	3.2	1.6	1.6	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)