

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: P1446731

Luminaire Tested: P3ART17R709740DE010 E3CLSWW1MB

Issue Date: 5/8/2026

**Test Information**

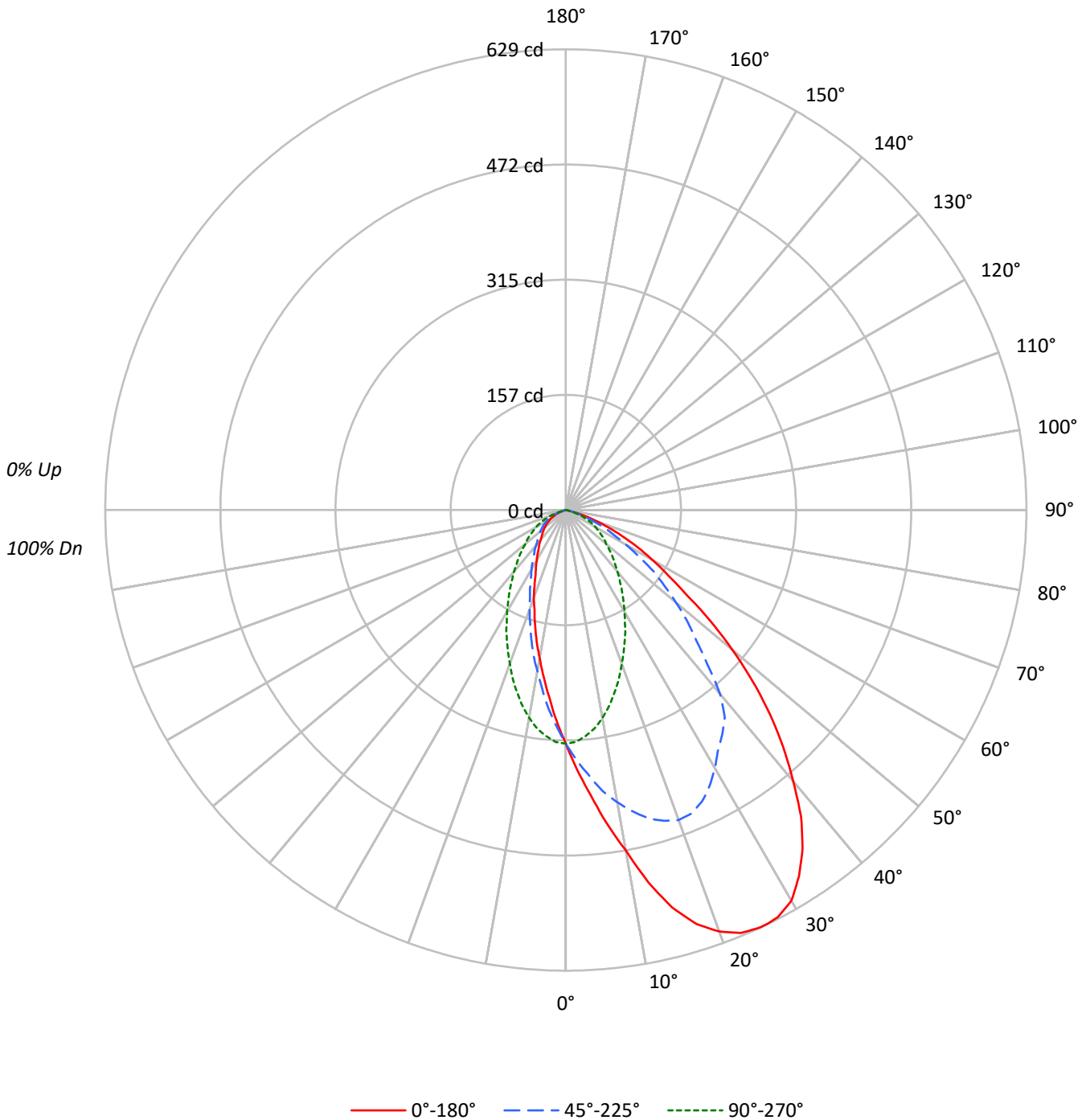
Test Method: LM-79-2019  
Report Number: P1446731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709740DE010 E3CLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 635.0 lumens  
Efficiency: N/A  
Efficacy: 30.0 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 (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		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32		

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

	0°	45°	90°	135°	180°
0°	69907	69907	69907	69907	69907
5°	86022	80079	68193	59872	56680
10°	105075	90223	64172	49721	45713
15°	127560	98934	58457	41294	36799
20°	142882	105079	52108	33626	29846
25°	152089	106337	46188	27897	23542
30°	155973	103054	40589	23725	20054
35°	150898	99796	35683	20238	17346
40°	138173	93833	31459	18034	15458
45°	122307	78179	27941	16746	13955
50°	101387	66966	24562	15351	12895
55°	76423	55778	22709	14451	11699
60°	60039	41883	20525	13420	10262
65°	44830	30820	17745	11207	8406
70°	28851	19619	12694	8078	4616
75°	12200	10675	6100	3050	1525
80°	2273	2273	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 122307 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.2	4.8
10°-20°	87.0	13.7
20°-30°	127.3	20.0
30°-40°	138.7	21.8
40°-50°	120.0	18.9
50°-60°	80.4	12.7
60°-70°	41.5	6.5
70°-80°	9.8	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°	244.5	38.5
0°-40°	383.2	60.3
0°-60°	583.5	91.9
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	319	319	319	319	319	
5°	391	364	310	272	258	40
15°	562	436	258	182	162	159
25°	629	440	191	115	97	289
35°	564	373	133	76	65	349
45°	394	252	90	54	45	302
55°	200	146	59	38	31	185
65°	86	59	34	22	16	87
75°	14	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°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	354.8	353.0	353.0	349.4	345.8	342.2	336.8	331.4	326.0	320.6	317.0
5°	390.8	392.6	390.8	383.6	374.6	363.8	353.0	340.4	327.8	317.0	309.8
7.5°	432.2	432.2	426.8	417.8	405.2	387.2	369.2	347.6	327.8	309.8	300.8
10°	471.9	471.9	462.9	448.5	428.6	405.2	380.0	351.2	324.2	299.0	288.2
12.5°	520.5	518.7	507.9	484.5	455.7	421.4	387.2	351.2	318.8	288.2	273.8
15°	561.9	560.1	545.7	516.9	479.1	435.8	389.0	347.6	308.0	273.8	257.5
17.5°	592.5	588.9	572.7	542.1	498.9	444.9	390.8	340.4	295.4	257.5	241.3
20°	612.3	610.5	592.5	556.5	509.7	450.3	389.0	331.4	282.8	241.3	223.3
22.5°	625.0	621.4	603.3	563.7	509.7	448.5	381.8	318.8	266.6	225.1	207.1
25°	628.6	626.8	605.1	561.9	504.3	439.5	371.0	306.2	250.3	208.9	190.9
26°	628.6	626.8	605.1	560.1	500.7	434.0	365.6	300.8	244.9	201.7	185.5
27.5°	626.8	625.0	601.5	554.7	493.5	425.0	354.8	290.0	234.1	192.7	174.7
30°	616.0	612.3	588.9	542.1	477.3	407.0	336.8	273.8	217.9	176.5	160.3
32.5°	592.5	588.9	563.7	520.5	459.3	387.2	317.0	255.7	201.7	160.3	145.9
35°	563.7	560.1	534.9	493.5	434.0	372.8	295.4	235.9	183.7	147.7	133.3
37.5°	527.7	522.3	500.7	457.5	403.4	356.6	277.4	216.1	167.5	133.3	120.7
40°	482.7	480.9	461.1	421.4	367.4	327.8	266.6	216.1	153.1	120.7	109.9
42.5°	439.5	435.8	417.8	383.6	335.0	286.4	234.1	207.1	142.3	108.1	99.1
45°	394.4	390.8	374.6	345.8	300.8	252.1	252.1	178.3	122.5	99.1	90.1
47.5°	345.8	342.2	329.6	308.0	268.4	225.1	183.7	145.9	111.7	88.3	81.0
50°	297.2	299.0	288.2	266.6	235.9	196.3	158.5	122.5	95.5	79.2	72.0
52.5°	248.5	246.7	239.5	225.1	203.5	169.3	135.1	104.5	82.8	70.2	66.6
55°	199.9	201.7	198.1	189.1	171.1	145.9	113.5	90.1	73.8	63.0	59.4
57.5°	165.7	167.5	160.3	154.9	140.5	118.9	93.7	75.6	63.0	55.8	52.2
60°	136.9	138.7	133.3	126.1	115.3	95.5	75.6	63.0	55.8	50.4	46.8
62.5°	111.7	109.9	106.3	99.1	90.1	75.6	61.2	52.2	46.8	43.2	41.4
65°	86.4	86.4	82.8	77.4	70.2	59.4	48.6	43.2	39.6	36.0	34.2
67.5°	64.8	64.8	61.2	57.6	50.4	43.2	37.8	34.2	32.4	28.8	27.0
70°	45.0	45.0	43.2	41.4	36.0	30.6	28.8	25.2	23.4	21.6	19.8
72.5°	28.8	28.8	28.8	25.2	23.4	19.8	19.8	18.0	16.2	14.4	14.4
75°	14.4	16.2	14.4	14.4	12.6	12.6	10.8	10.8	9.0	9.0	7.2
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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°	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8	318.8
2.5°	313.4	308.0	304.4	299.0	295.4	291.8	290.0	288.2	288.2	288.2
5°	304.4	295.4	286.4	277.4	272.0	266.6	261.1	259.3	257.5	257.5
7.5°	293.6	279.2	266.6	255.7	246.7	241.3	235.9	232.3	230.5	230.5
10°	279.2	261.1	246.7	232.3	223.3	216.1	212.5	207.1	207.1	205.3
12.5°	262.9	241.3	225.1	212.5	203.5	194.5	189.1	185.5	183.7	183.7
15°	244.9	223.3	205.3	190.9	181.9	172.9	167.5	163.9	162.1	162.1
17.5°	226.9	203.5	185.5	171.1	162.1	153.1	147.7	144.1	144.1	142.3
20°	208.9	185.5	167.5	153.1	144.1	136.9	131.5	127.9	126.1	127.9
22.5°	192.7	169.3	151.3	138.7	127.9	120.7	115.3	113.5	111.7	111.7
25°	174.7	153.1	136.9	124.3	115.3	108.1	102.7	100.9	99.1	97.3
26°	169.3	147.7	131.5	118.9	109.9	102.7	99.1	95.5	93.7	93.7
27.5°	162.1	138.7	124.3	111.7	102.7	97.3	91.9	90.1	88.3	88.3
30°	145.9	126.1	111.7	100.9	93.7	86.4	82.8	81.0	79.2	79.2
32.5°	133.3	113.5	100.9	91.9	84.6	79.2	75.6	72.0	72.0	72.0
35°	120.7	102.7	91.9	82.8	75.6	70.2	68.4	66.6	64.8	64.8
37.5°	109.9	93.7	82.8	75.6	70.2	64.8	61.2	59.4	59.4	59.4
40°	99.1	86.4	75.6	68.4	63.0	59.4	55.8	54.0	54.0	54.0
42.5°	90.1	77.4	70.2	63.0	57.6	54.0	52.2	50.4	48.6	48.6
45°	82.8	72.0	63.0	57.6	54.0	50.4	46.8	45.0	45.0	45.0
47.5°	73.8	66.6	57.6	52.2	48.6	45.0	43.2	41.4	41.4	41.4
50°	68.4	61.2	54.0	48.6	45.0	41.4	39.6	37.8	37.8	37.8
52.5°	61.2	55.8	50.4	45.0	41.4	37.8	36.0	34.2	34.2	34.2
55°	55.8	50.4	45.0	41.4	37.8	34.2	32.4	30.6	30.6	30.6
57.5°	50.4	45.0	41.4	37.8	34.2	32.4	28.8	28.8	27.0	27.0
60°	45.0	39.6	36.0	34.2	30.6	28.8	25.2	23.4	23.4	23.4
62.5°	37.8	36.0	32.4	28.8	25.2	23.4	21.6	19.8	19.8	19.8
65°	32.4	30.6	27.0	23.4	21.6	19.8	18.0	16.2	16.2	16.2
67.5°	27.0	23.4	21.6	19.8	18.0	16.2	14.4	12.6	10.8	12.6
70°	19.8	18.0	16.2	14.4	12.6	10.8	9.0	9.0	7.2	7.2
72.5°	12.6	10.8	10.8	9.0	7.2	7.2	5.4	5.4	3.6	3.6
75°	7.2	7.2	5.4	5.4	3.6	3.6	1.8	1.8	1.8	1.8
77.5°	3.6	1.8	1.8	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)