

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: P1446832

Luminaire Tested: P3ART13R709827DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

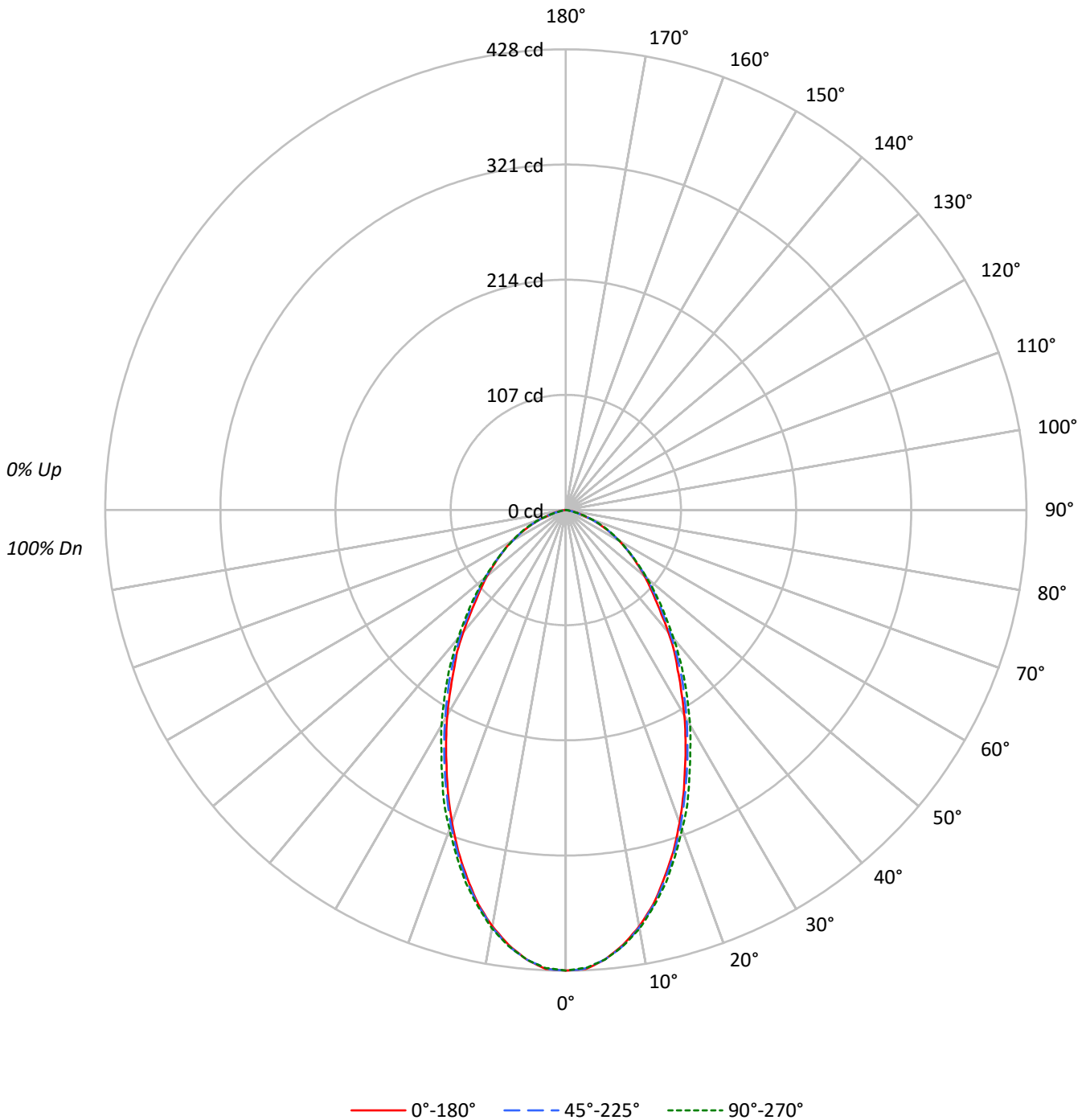
Test Method: LM-79-2019  
Report Number: P1446832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709827DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 596.0 lumens  
Efficiency: N/A  
Efficacy: 41.1 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
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

TEST NUMBER: P1446832  
CATALOG NUMBER: P3ART13R709827DE010 E3CLDWW1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1446832

CATALOG NUMBER: P3ART13R709827DE010 E3CLDWW1MB

**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	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	93830	93830	93830
5°	92252	92252	92252
10°	87462	87685	87908
15°	80318	80772	81431
20°	72106	72783	73693
25°	63439	64383	65786
30°	55781	56768	58490
35°	48533	50085	51397
40°	42422	43539	44655
45°	36562	37771	38702
50°	32579	33261	33568
55°	28711	29055	29055
60°	25217	24779	25217
65°	20754	21221	21740
70°	16221	16221	16862
75°	10760	9913	9913
80°	6188	4925	3662
85°	2516	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 38702 cd/sqm



TEST NUMBER: P1446832

CATALOG NUMBER: P3ART13R709827DE010 E3CLDWW1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.2	6.6
10°-20°	99.4	16.7
20°-30°	122.6	20.6
30°-40°	116.8	19.6
40°-50°	94.5	15.9
50°-60°	68.1	11.4
60°-70°	40.7	6.8
70°-80°	13.6	2.3
80°-90°	1.2	0.2
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°	261.1	43.8
0°-40°	377.9	63.4
0°-60°	540.4	90.7
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	419	419	419	419	419	39
15°	354	355	356	357	359	99
25°	262	264	266	270	272	121
35°	181	183	187	191	192	114
45°	118	120	122	124	125	92
55°	75	75	76	76	76	68
65°	40	41	41	42	42	40
75°	13	13	12	12	12	14
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



TEST NUMBER: P1446832

CATALOG NUMBER: P3ART13R709827DE010 E3CLDWW1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	427.9	427.9	427.9	427.9	427.9	427.9	427.9	427.9	427.9	427.9	427.9
2°	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.0
2.5°	426.9	426.0	426.0	426.0	426.0	426.0	426.0	426.0	426.0	426.9	426.0
5°	419.1	419.1	419.1	419.1	419.1	419.1	419.1	419.1	420.1	419.1	419.1
7.5°	407.4	407.4	407.4	407.4	408.4	408.4	408.4	408.4	409.4	409.4	408.4
10°	392.8	392.8	392.8	392.8	393.8	393.8	394.8	393.8	393.8	394.8	394.8
12.5°	375.3	374.3	374.3	374.3	375.3	376.2	376.2	376.2	377.2	377.2	377.2
15°	353.8	353.8	353.8	354.8	354.8	355.8	356.7	356.7	357.7	357.7	358.7
17.5°	332.4	332.4	331.4	332.4	333.4	334.3	335.3	336.3	337.3	337.3	337.3
20°	309.0	308.0	309.0	310.0	310.9	311.9	312.9	314.8	315.8	315.8	315.8
22.5°	285.6	284.6	285.6	286.6	287.5	288.5	291.4	292.4	293.4	293.4	295.3
25°	262.2	262.2	263.2	264.1	265.1	266.1	268.0	270.0	271.0	271.9	271.9
27.5°	240.8	240.8	240.8	240.8	242.7	244.7	246.6	248.6	249.5	250.5	250.5
30°	220.3	219.3	219.3	220.3	222.2	224.2	226.1	228.1	229.1	230.0	231.0
32.5°	199.8	199.8	199.8	200.8	201.8	204.7	206.6	207.6	209.6	210.5	210.5
35°	181.3	181.3	181.3	183.2	185.2	187.1	188.1	190.1	192.0	192.0	192.0
37.5°	165.7	166.7	168.6	167.7	167.7	168.6	169.6	171.5	173.5	173.5	173.5
40°	148.2	149.1	150.1	149.1	150.1	152.1	153.0	154.0	155.0	156.0	156.0
42.5°	131.6	131.6	131.6	132.6	134.5	135.5	137.4	138.4	139.4	139.4	139.4
45°	117.9	117.9	118.9	119.9	120.9	121.8	122.8	123.8	124.8	124.8	124.8
47.5°	106.2	106.2	107.2	107.2	108.2	109.2	110.1	110.1	111.1	112.1	111.1
50°	95.5	95.5	95.5	96.5	96.5	97.5	97.5	98.4	98.4	98.4	98.4
52.5°	84.8	84.8	84.8	84.8	85.8	85.8	85.8	86.7	86.7	86.7	86.7
55°	75.1	75.1	75.1	75.1	75.1	76.0	76.0	76.0	76.0	76.0	76.0
57.5°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
60°	57.5	57.5	57.5	57.5	57.5	56.5	57.5	57.5	57.5	57.5	57.5
62.5°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.7	49.7	49.7	49.7
65°	40.0	40.9	40.9	40.9	40.9	40.9	40.9	41.9	41.9	41.9	41.9
67.5°	32.2	33.1	33.1	33.1	33.1	33.1	33.1	33.1	34.1	34.1	34.1
70°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.3
72.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.5	18.5	18.5
75°	12.7	12.7	12.7	12.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
77.5°	8.8	8.8	8.8	7.8	7.8	6.8	6.8	6.8	6.8	6.8	5.8
80°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	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

(END OF REPORT)