

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: P1446496

Luminaire Tested: P3ART02R709730DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

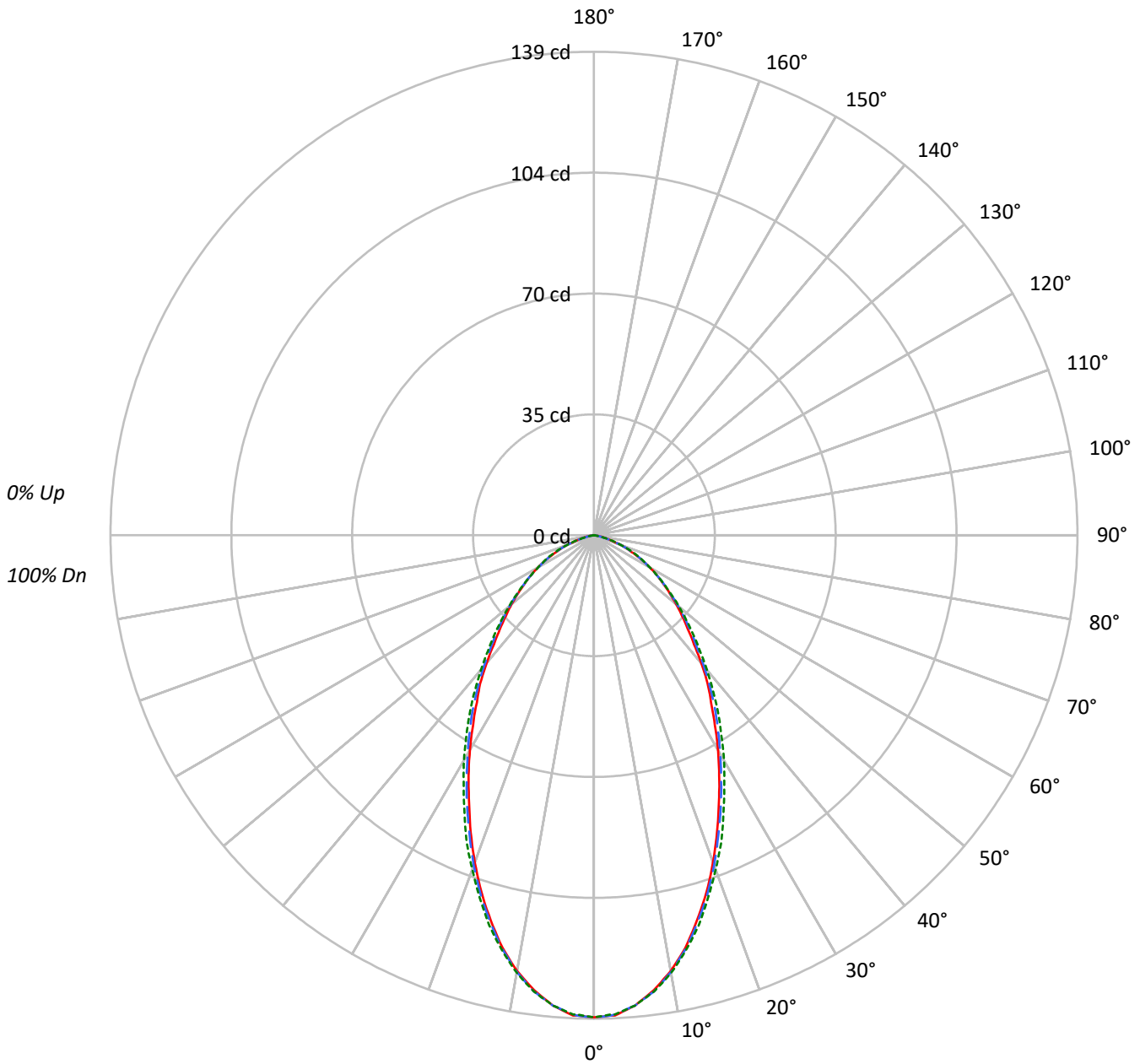
Test Method: LM-79-2019  
Report Number: P1446496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709730DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 193.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 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): 3.6  
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: P1446496  
CATALOG NUMBER: P3ART02R709730DE010 E3CLDWW1MW

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1446496  
 CATALOG NUMBER: P3ART02R709730DE010 E3CLDWW1MW

**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	43	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°	30392	30392	30392
5°	29870	29870	29870
10°	28323	28390	28456
15°	26016	26152	26379
20°	23359	23569	23872
25°	20542	20856	21316
30°	18053	18383	18940
35°	15714	16222	16650
40°	13740	14084	14456
45°	11846	12249	12528
50°	10541	10780	10882
55°	9290	9405	9405
60°	8157	8026	8157
65°	6693	6901	7057
70°	5257	5257	5450
75°	3474	3219	3219
80°	2020	1642	1137
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 12528 cd/sqm



TEST NUMBER: P1446496

CATALOG NUMBER: P3ART02R709730DE010 E3CLDWW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.7	6.6
10°-20°	32.2	16.7
20°-30°	39.7	20.6
30°-40°	37.8	19.6
40°-50°	30.6	15.9
50°-60°	22.0	11.4
60°-70°	13.2	6.8
70°-80°	4.4	2.3
80°-90°	0.4	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
<b>0°-30°</b>	<b>84.6</b>	<b>43.8</b>
<b>0°-40°</b>	<b>122.4</b>	<b>63.4</b>
<b>0°-60°</b>	<b>175.0</b>	<b>90.7</b>
<b>0°-90°</b>	<b>193.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>193.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	139	139	139	139	139	
5°	136	136	136	136	136	13
15°	115	115	115	116	116	32
25°	85	85	86	87	88	39
35°	59	59	61	62	62	37
45°	38	39	40	40	40	30
55°	24	24	25	25	25	22
65°	13	13	13	14	14	13
75°	4	4	4	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1446496  
 CATALOG NUMBER: P3ART02R709730DE010 E3CLDWW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
2°	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2	137.9
2.5°	138.2	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	138.2	137.9
5°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	136.0	135.7	135.7
7.5°	131.9	131.9	131.9	131.9	132.3	132.3	132.3	132.3	132.6	132.6	132.3
10°	127.2	127.2	127.2	127.2	127.5	127.5	127.8	127.5	127.5	127.8	127.8
12.5°	121.5	121.2	121.2	121.2	121.5	121.8	121.8	121.8	122.2	122.2	122.2
15°	114.6	114.6	114.6	114.9	114.9	115.2	115.5	115.5	115.8	115.8	116.2
17.5°	107.6	107.6	107.3	107.6	107.9	108.3	108.6	108.9	109.2	109.2	109.2
20°	100.1	99.7	100.1	100.4	100.7	101.0	101.3	102.0	102.3	102.3	102.3
22.5°	92.5	92.2	92.5	92.8	93.1	93.4	94.4	94.7	95.0	95.0	95.6
25°	84.9	84.9	85.2	85.5	85.9	86.2	86.8	87.4	87.7	88.1	88.1
27.5°	78.0	78.0	78.0	78.0	78.6	79.2	79.9	80.5	80.8	81.1	81.1
30°	71.3	71.0	71.0	71.3	72.0	72.6	73.2	73.9	74.2	74.5	74.8
32.5°	64.7	64.7	64.7	65.0	65.3	66.3	66.9	67.2	67.9	68.2	68.2
35°	58.7	58.7	58.7	59.3	60.0	60.6	60.9	61.5	62.2	62.2	62.2
37.5°	53.7	54.0	54.6	54.3	54.3	54.6	54.9	55.6	56.2	56.2	56.2
40°	48.0	48.3	48.6	48.3	48.6	49.2	49.6	49.9	50.2	50.5	50.5
42.5°	42.6	42.6	42.6	42.9	43.6	43.9	44.5	44.8	45.1	45.1	45.1
45°	38.2	38.2	38.5	38.8	39.1	39.5	39.8	40.1	40.4	40.4	40.4
47.5°	34.4	34.4	34.7	34.7	35.0	35.4	35.7	35.7	36.0	36.3	36.0
50°	30.9	30.9	30.9	31.2	31.2	31.6	31.6	31.9	31.9	31.9	31.9
52.5°	27.5	27.5	27.5	27.5	27.8	27.8	27.8	28.1	28.1	28.1	28.1
55°	24.3	24.3	24.3	24.3	24.3	24.6	24.6	24.6	24.6	24.6	24.6
57.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
60°	18.6	18.6	18.6	18.6	18.6	18.3	18.6	18.6	18.6	18.6	18.6
62.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	16.1	16.1	16.1	16.1
65°	12.9	13.3	13.3	13.3	13.3	13.3	13.3	13.6	13.6	13.6	13.6
67.5°	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.0	11.0	11.0
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.5
72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	6.0	6.0
75°	4.1	4.1	4.1	4.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	2.8	2.8	2.8	2.5	2.5	2.2	2.2	2.2	2.2	2.2	1.9
80°	1.6	1.6	1.6	1.6	1.6	1.3	1.3	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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)