

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: P1446528

Luminaire Tested: P3ART05R709730DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

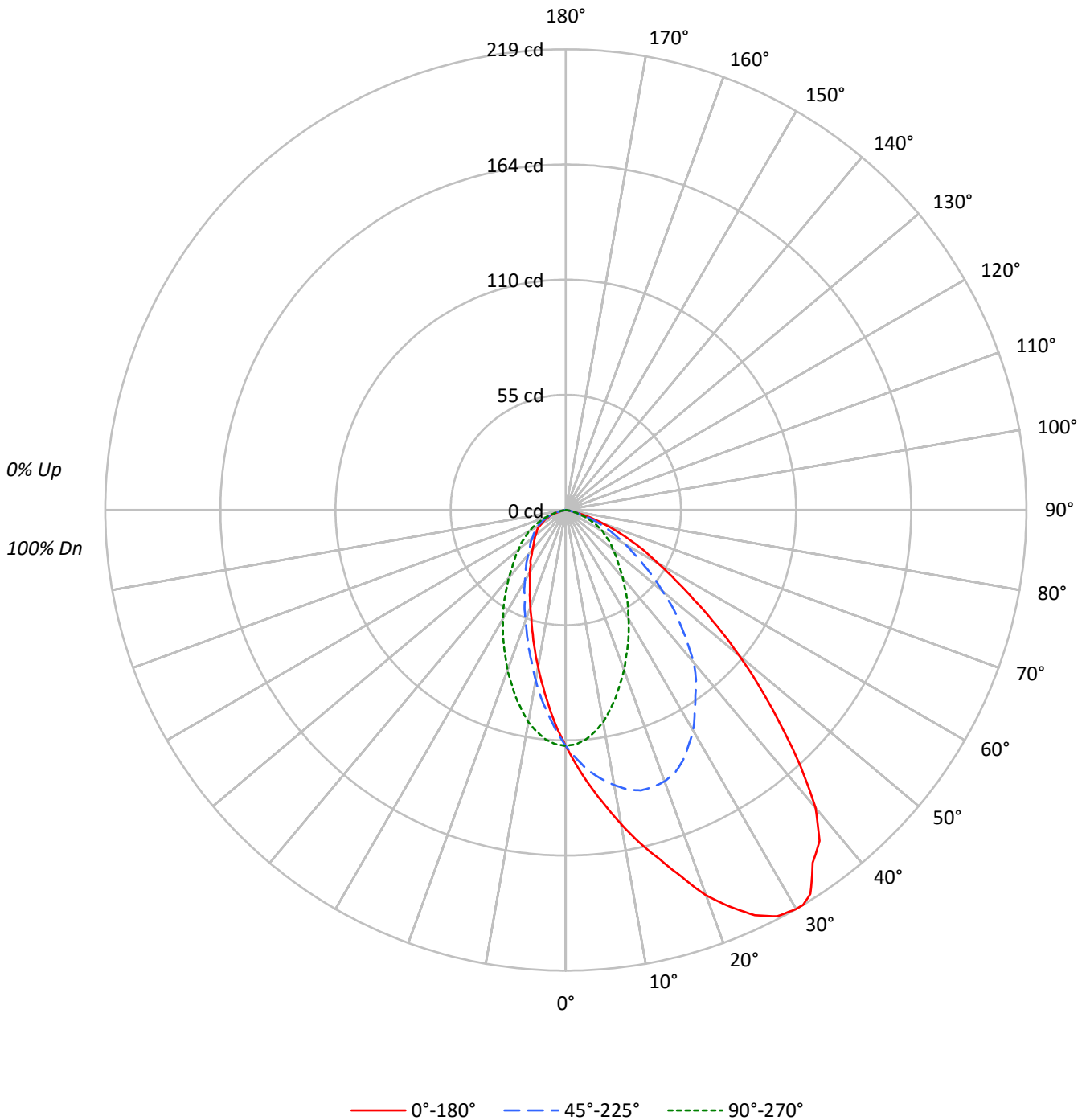
Test Method: LM-79-2019  
Report Number: P1446528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709730DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 228.0 lumens  
Efficiency: N/A  
Efficacy: 31.7 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): 7.2  
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°	24581	24581	24581	24581	24581
5°	28946	27383	24103	21395	20537
10°	33756	29570	22801	18325	16878
15°	38979	31328	20885	15437	13825
20°	45504	32039	18902	12998	11481
25°	51414	31816	16936	11130	9726
30°	55452	30663	15091	9850	8685
35°	54797	28777	13518	8834	7817
40°	52842	27079	12051	7986	7042
45°	44811	23909	10854	7443	6636
50°	36673	20537	9961	7062	6413
55°	28482	17089	9405	6920	6423
60°	22147	14209	8815	6798	5964
65°	17486	11778	7731	6382	5707
70°	12053	8719	6219	5386	5001
75°	6015	4914	4406	3813	3304
80°	758	1642	2399	1642	758
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44811 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.5	4.6
10°-20°	29.2	12.8
20°-30°	43.0	18.9
30°-40°	48.2	21.2
40°-50°	42.4	18.6
50°-60°	30.3	13.3
60°-70°	18.0	7.9
70°-80°	6.0	2.6
80°-90°	0.3	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
<b>0°-30°</b>	<b>82.7</b>	<b>36.3</b>
<b>0°-40°</b>	<b>130.9</b>	<b>57.4</b>
<b>0°-60°</b>	<b>203.7</b>	<b>89.4</b>
<b>0°-90°</b>	<b>228.0</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>228.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	112	112	112	112	112	
5°	132	124	110	97	93	13
15°	172	138	92	68	61	49
25°	212	132	70	46	40	98
35°	205	108	50	33	29	129
45°	144	77	35	24	21	112
55°	74	45	25	18	17	68
65°	34	23	15	12	11	34
75°	7	6	5	4	4	9
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°	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1
2.5°	121.8	121.8	121.8	120.5	120.5	118.5	117.3	115.3	114.0	112.1	111.4
5°	131.5	131.5	130.2	128.9	127.0	124.4	121.1	117.9	114.0	110.8	109.5
7.5°	141.2	141.9	139.9	137.3	133.4	128.9	124.4	119.2	113.4	108.8	106.2
10°	151.6	151.6	149.0	145.1	139.3	132.8	125.7	118.5	111.4	104.9	102.4
12.5°	162.0	161.3	158.1	152.2	145.1	136.0	126.3	117.3	108.8	101.1	97.2
15°	171.7	171.7	167.1	160.0	149.6	138.0	126.3	114.7	104.9	95.9	92.0
17.5°	182.7	182.7	176.9	165.8	152.9	138.0	124.4	111.4	100.4	90.7	86.2
20°	195.0	194.3	185.9	171.0	154.2	137.3	121.8	107.5	95.2	84.9	81.0
22.5°	204.1	203.4	193.7	175.6	154.8	135.4	117.3	102.4	90.0	79.7	75.1
25°	212.5	211.2	200.2	177.5	153.5	131.5	112.7	96.5	84.9	74.5	70.0
27.5°	217.7	217.0	204.7	176.9	150.3	126.3	106.9	91.3	79.0	68.7	64.8
30°	219.0	219.6	204.7	173.6	145.1	121.1	101.1	85.5	73.2	64.1	59.6
31°	219.0	219.6	203.4	171.7	143.2	118.5	98.5	83.6	70.6	61.5	57.7
32.5°	216.4	215.1	201.5	168.4	138.6	114.0	95.2	80.3	67.4	58.3	55.1
35°	204.7	205.4	195.0	161.3	132.2	107.5	88.8	73.9	61.5	53.8	50.5
37.5°	198.2	198.2	179.4	151.6	125.0	101.7	81.0	66.7	56.4	49.2	46.0
40°	184.6	182.7	165.2	141.2	116.6	94.6	76.4	62.2	51.8	44.7	42.1
42.5°	165.2	163.2	149.6	132.2	105.6	85.5	72.6	55.1	46.6	40.8	38.2
45°	144.5	143.2	132.8	116.6	95.2	77.1	62.8	50.5	42.8	36.9	35.0
47.5°	125.7	123.7	116.0	103.6	86.2	69.3	54.4	45.3	38.2	33.7	32.4
50°	107.5	106.9	100.4	90.7	76.4	60.2	47.9	40.2	35.0	31.1	29.2
52.5°	90.7	89.4	86.2	78.4	66.7	52.5	42.1	35.6	31.1	28.5	27.2
55°	74.5	74.5	71.3	66.1	57.0	44.7	36.9	31.7	27.9	25.9	24.6
57.5°	61.5	61.5	59.0	55.7	47.3	38.2	32.4	27.9	25.3	23.3	22.0
60°	50.5	50.5	48.6	45.3	39.5	32.4	27.9	24.6	22.7	20.7	20.1
62.5°	42.1	41.5	40.2	36.9	32.4	27.2	24.0	21.4	19.4	18.1	17.5
65°	33.7	33.0	31.7	29.2	25.9	22.7	20.1	18.1	16.8	15.5	14.9
67.5°	25.9	25.9	24.6	22.7	20.1	18.1	16.2	14.9	13.6	13.0	12.3
70°	18.8	18.8	18.1	16.8	14.9	13.6	12.3	11.7	11.0	10.4	9.7
72.5°	13.0	13.0	12.3	11.7	10.4	9.7	8.4	8.4	7.8	7.8	7.1
75°	7.1	7.1	7.1	6.5	6.5	5.8	5.8	5.8	5.2	5.2	5.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.9	1.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1
2.5°	110.8	108.8	107.5	106.9	104.9	104.3	103.6	103.0	103.0	103.0
5°	108.2	104.9	101.7	99.8	97.2	95.9	94.6	93.9	93.3	93.3
7.5°	103.6	99.8	95.9	92.6	90.0	87.5	86.2	84.9	84.9	84.2
10°	99.1	93.9	89.4	84.9	82.3	79.0	77.7	76.4	75.8	75.8
12.5°	93.9	87.5	82.3	78.4	74.5	71.9	70.0	68.7	68.0	68.0
15°	88.1	81.6	75.8	71.9	68.0	64.8	62.8	61.5	60.9	60.9
17.5°	82.3	75.8	69.3	65.4	61.5	58.3	57.0	55.7	55.1	54.4
20°	77.1	69.3	64.1	59.0	55.7	53.1	51.2	49.9	49.2	49.2
22.5°	71.3	64.1	58.3	54.4	51.2	48.6	46.0	45.3	44.7	44.7
25°	65.4	59.0	53.8	49.9	46.0	44.1	42.1	40.8	40.8	40.2
27.5°	60.9	54.4	49.2	45.3	42.8	40.2	38.9	37.6	36.9	36.9
30°	55.7	49.9	45.3	42.1	38.9	36.9	35.6	34.3	34.3	34.3
31°	54.4	48.6	44.1	40.2	37.6	35.6	34.3	33.7	33.0	33.0
32.5°	51.2	46.0	41.5	38.2	35.6	33.7	32.4	31.7	31.7	31.1
35°	47.3	42.1	38.2	35.0	33.0	31.1	29.8	29.2	29.2	29.2
37.5°	43.4	38.9	35.0	32.4	30.4	28.5	27.9	26.6	26.6	26.6
40°	39.5	35.6	32.4	29.8	27.9	26.6	25.9	25.3	24.6	24.6
42.5°	36.3	32.4	29.8	27.9	25.9	24.6	24.0	23.3	23.3	22.7
45°	33.0	29.8	27.9	25.9	24.0	23.3	22.7	22.0	21.4	21.4
47.5°	30.4	27.9	25.3	24.0	22.7	21.4	20.7	20.7	20.1	20.1
50°	27.9	25.3	23.3	22.0	20.7	20.1	19.4	19.4	18.8	18.8
52.5°	25.9	23.3	22.0	20.7	19.4	18.8	18.1	18.1	17.5	17.5
55°	23.3	21.4	20.1	19.4	18.1	17.5	16.8	16.2	16.2	16.8
57.5°	21.4	20.1	18.8	18.1	16.8	16.2	15.5	15.5	14.9	15.5
60°	19.4	18.1	16.8	16.2	15.5	14.9	14.3	13.6	13.6	13.6
62.5°	17.5	16.2	15.5	14.3	13.6	13.6	13.0	13.0	13.0	12.3
65°	14.9	14.3	13.6	13.0	12.3	11.7	11.7	11.0	11.0	11.0
67.5°	12.3	11.7	11.0	11.0	10.4	9.7	9.7	9.7	9.7	9.1
70°	9.7	9.1	9.1	8.4	8.4	8.4	7.8	7.8	7.8	7.8
72.5°	7.1	7.1	6.5	6.5	6.5	6.5	5.8	5.8	5.8	5.8
75°	5.2	5.2	5.2	4.5	4.5	4.5	3.9	3.9	3.9	3.9
77.5°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	2.6	2.6	2.6
80°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)