

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: P#

Luminaire Tested: P3ART13R709030D2WDE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

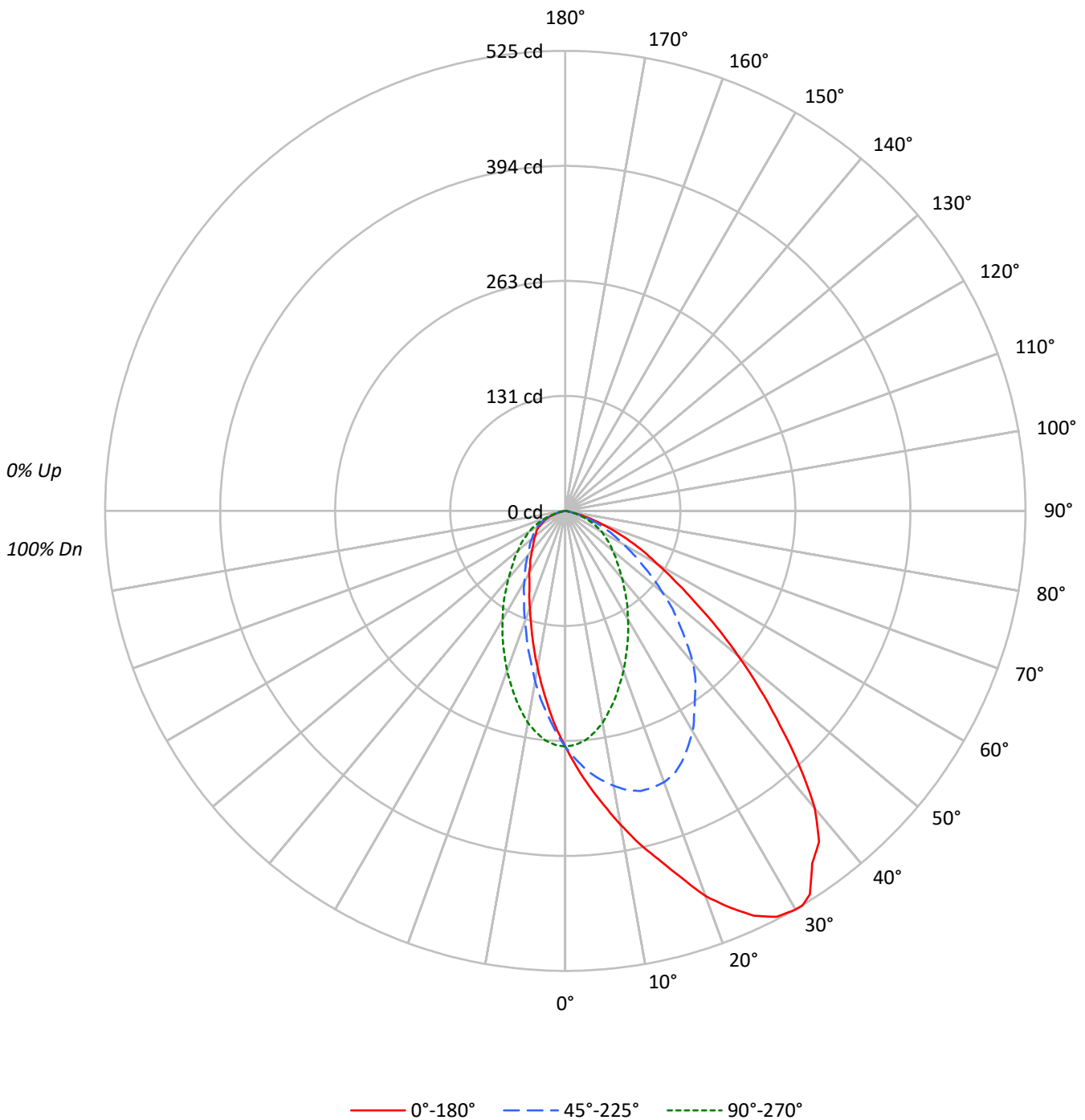
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRIS  
Catalog Number: P3ART13R709030D2WDE010 E3LCWW1GPH  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 547.0 lumens  
Efficiency: N/A  
Efficacy: 27.2 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): 20.1  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31

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

	0°	45°	90°	135°	180°
0°	58965	58965	58965	58965	58965
5°	69447	65683	57825	51310	49262
10°	80983	70941	54686	43954	40480
15°	93508	75142	50102	37049	33167
20°	109163	76890	45341	31199	27559
25°	123346	76335	40623	26687	23324
30°	133008	73581	36208	23624	20864
35°	131464	69065	32444	21228	18712
40°	126780	64950	28911	19122	16917
45°	107484	57339	26018	17831	15909
50°	88014	49295	23846	16955	15385
55°	68318	40983	22594	16630	15445
60°	53154	34076	21139	16358	14297
65°	41924	28226	18523	15306	13698
70°	28915	20901	14938	12951	11989
75°	14488	11861	10506	9235	7879
80°	2020	3915	5935	3915	2020
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 107484 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	4.6
10°-20°	70.0	12.8
20°-30°	103.2	18.9
30°-40°	115.7	21.2
40°-50°	101.8	18.6
50°-60°	72.8	13.3
60°-70°	43.1	7.9
70°-80°	14.5	2.6
80°-90°	0.7	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
0°-30°	198.4	36.3
0°-40°	314.2	57.4
0°-60°	488.7	89.3
0°-90°	547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	269	269	269	269	269	
5°	316	298	263	233	224	32
15°	412	331	221	163	146	119
25°	510	316	168	110	96	234
35°	491	258	121	79	70	309
45°	347	185	84	58	51	268
55°	179	107	59	44	40	163
65°	81	54	36	30	26	81
75°	17	14	12	11	9	21
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	292.2	292.2	292.2	289.1	289.1	284.4	281.3	276.6	273.5	268.9	267.3
5°	315.5	315.5	312.4	309.3	304.6	298.4	290.6	282.9	273.5	265.8	262.7
7.5°	338.8	340.4	335.7	329.5	320.2	309.3	298.4	286.0	272.0	261.1	254.9
10°	363.7	363.7	357.5	348.1	334.1	318.6	301.5	284.4	267.3	251.8	245.6
12.5°	388.5	387.0	379.2	365.2	348.1	326.4	303.1	281.3	261.1	242.5	233.1
15°	411.9	411.9	401.0	383.9	359.0	331.0	303.1	275.1	251.8	230.0	220.7
17.5°	438.3	438.3	424.3	397.9	366.8	331.0	298.4	267.3	240.9	217.6	206.7
20°	467.8	466.3	446.1	410.3	369.9	329.5	292.2	258.0	228.5	203.6	194.3
22.5°	489.6	488.0	464.7	421.2	371.4	324.8	281.3	245.6	216.0	191.2	180.3
25°	509.8	506.7	480.2	425.8	368.3	315.5	270.4	231.6	203.6	178.7	167.9
27.5°	522.2	520.7	491.1	424.3	360.6	303.1	256.4	219.1	189.6	164.7	155.4
30°	525.3	526.9	491.1	416.5	348.1	290.6	242.5	205.2	175.6	153.9	143.0
31°	525.3	526.9	488.0	411.9	343.5	284.4	236.2	200.5	169.4	147.6	138.3
32.5°	519.1	516.0	483.4	404.1	332.6	273.5	228.5	192.7	161.6	139.9	132.1
35°	491.1	492.7	467.8	387.0	317.1	258.0	212.9	177.2	147.6	129.0	121.2
37.5°	475.6	475.6	430.5	363.7	300.0	244.0	194.3	160.1	135.2	118.1	110.3
40°	442.9	438.3	396.3	338.8	279.8	226.9	183.4	149.2	124.3	107.2	101.0
42.5°	396.3	391.7	359.0	317.1	253.3	205.2	174.1	132.1	111.9	97.9	91.7
45°	346.6	343.5	318.6	279.8	228.5	184.9	150.8	121.2	102.6	88.6	83.9
47.5°	301.5	296.8	278.2	248.7	206.7	166.3	130.6	108.8	91.7	80.8	77.7
50°	258.0	256.4	240.9	217.6	183.4	144.5	115.0	96.4	83.9	74.6	69.9
52.5°	217.6	214.5	206.7	188.1	160.1	125.9	101.0	85.5	74.6	68.4	65.3
55°	178.7	178.7	171.0	158.5	136.8	107.2	88.6	76.2	66.8	62.2	59.1
57.5°	147.6	147.6	141.4	133.7	113.5	91.7	77.7	66.8	60.6	56.0	52.8
60°	121.2	121.2	116.6	108.8	94.8	77.7	66.8	59.1	54.4	49.7	48.2
62.5°	101.0	99.5	96.4	88.6	77.7	65.3	57.5	51.3	46.6	43.5	42.0
65°	80.8	79.3	76.2	69.9	62.2	54.4	48.2	43.5	40.4	37.3	35.7
67.5°	62.2	62.2	59.1	54.4	48.2	43.5	38.9	35.7	32.6	31.1	29.5
70°	45.1	45.1	43.5	40.4	35.7	32.6	29.5	28.0	26.4	24.9	23.3
72.5°	31.1	31.1	29.5	28.0	24.9	23.3	20.2	20.2	18.7	18.7	17.1
75°	17.1	17.1	17.1	15.5	15.5	14.0	14.0	14.0	12.4	12.4	12.4
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1	4.7	4.7	4.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	265.8	261.1	258.0	256.4	251.8	250.2	248.7	247.1	247.1	247.1
5°	259.5	251.8	244.0	239.3	233.1	230.0	226.9	225.4	223.8	223.8
7.5°	248.7	239.3	230.0	222.2	216.0	209.8	206.7	203.6	203.6	202.0
10°	237.8	225.4	214.5	203.6	197.4	189.6	186.5	183.4	181.8	181.8
12.5°	225.4	209.8	197.4	188.1	178.7	172.5	167.9	164.7	163.2	163.2
15°	211.4	195.8	181.8	172.5	163.2	155.4	150.8	147.6	146.1	146.1
17.5°	197.4	181.8	166.3	157.0	147.6	139.9	136.8	133.7	132.1	130.6
20°	184.9	166.3	153.9	141.4	133.7	127.4	122.8	119.7	118.1	118.1
22.5°	171.0	153.9	139.9	130.6	122.8	116.6	110.3	108.8	107.2	107.2
25°	157.0	141.4	129.0	119.7	110.3	105.7	101.0	97.9	97.9	96.4
27.5°	146.1	130.6	118.1	108.8	102.6	96.4	93.3	90.1	88.6	88.6
30°	133.7	119.7	108.8	101.0	93.3	88.6	85.5	82.4	82.4	82.4
31°	130.6	116.6	105.7	96.4	90.1	85.5	82.4	80.8	79.3	79.3
32.5°	122.8	110.3	99.5	91.7	85.5	80.8	77.7	76.2	76.2	74.6
35°	113.5	101.0	91.7	83.9	79.3	74.6	71.5	69.9	69.9	69.9
37.5°	104.1	93.3	83.9	77.7	73.0	68.4	66.8	63.7	63.7	63.7
40°	94.8	85.5	77.7	71.5	66.8	63.7	62.2	60.6	59.1	59.1
42.5°	87.0	77.7	71.5	66.8	62.2	59.1	57.5	56.0	56.0	54.4
45°	79.3	71.5	66.8	62.2	57.5	56.0	54.4	52.8	51.3	51.3
47.5°	73.0	66.8	60.6	57.5	54.4	51.3	49.7	49.7	48.2	48.2
50°	66.8	60.6	56.0	52.8	49.7	48.2	46.6	46.6	45.1	45.1
52.5°	62.2	56.0	52.8	49.7	46.6	45.1	43.5	43.5	42.0	42.0
55°	56.0	51.3	48.2	46.6	43.5	42.0	40.4	38.9	38.9	40.4
57.5°	51.3	48.2	45.1	43.5	40.4	38.9	37.3	37.3	35.7	37.3
60°	46.6	43.5	40.4	38.9	37.3	35.7	34.2	32.6	32.6	32.6
62.5°	42.0	38.9	37.3	34.2	32.6	32.6	31.1	31.1	31.1	29.5
65°	35.7	34.2	32.6	31.1	29.5	28.0	28.0	26.4	26.4	26.4
67.5°	29.5	28.0	26.4	26.4	24.9	23.3	23.3	23.3	23.3	21.8
70°	23.3	21.8	21.8	20.2	20.2	20.2	18.7	18.7	18.7	18.7
72.5°	17.1	17.1	15.5	15.5	15.5	15.5	14.0	14.0	14.0	14.0
75°	12.4	12.4	12.4	10.9	10.9	10.9	9.3	9.3	9.3	9.3
77.5°	7.8	7.8	7.8	7.8	7.8	6.2	6.2	6.2	6.2	6.2
80°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	3.1	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	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)