

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: P3ART17R709030D2WDE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

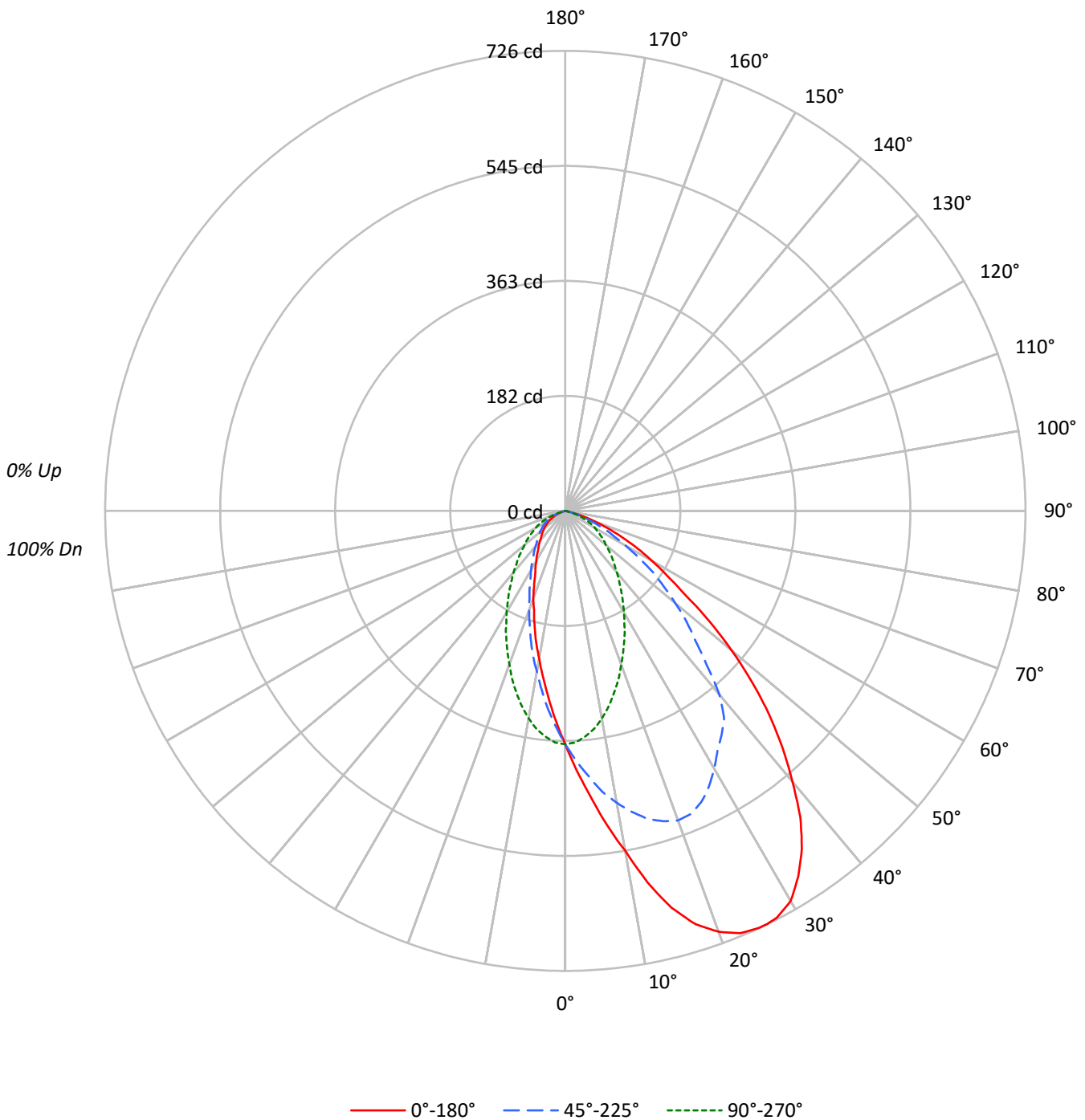
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709030D2WDE010 E3CLSWW1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.0 lumens  
Efficiency: N/A  
Efficacy: 26.8 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): 27.3  
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	80695	80695	80695	80695	80695
5°	99295	92450	78714	69095	65441
10°	121285	104162	74058	57403	52771
15°	147243	114212	67492	47673	42475
20°	164958	121274	60159	38807	34443
25°	175559	122741	53326	32203	27171
30°	180028	118955	46843	27371	23168
35°	174187	115188	41171	23370	20023
40°	159499	108317	36297	20839	17862
45°	141193	90273	32220	19351	16126
50°	117011	77302	28383	17739	14908
55°	88236	64380	26226	16707	13495
60°	69293	48329	23726	15481	11841
65°	51782	35594	20495	12920	9703
70°	33339	22632	14682	9361	5321
75°	14064	12370	7032	3558	1779
80°	2652	2652	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 141193 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.9	4.8
10°-20°	100.5	13.7
20°-30°	146.9	20.0
30°-40°	160.1	21.8
40°-50°	138.5	18.9
50°-60°	92.8	12.7
60°-70°	47.9	6.5
70°-80°	11.3	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°	282.3	38.5
0°-40°	442.3	60.3
0°-60°	673.6	91.9
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	368	368	368	368	368	
5°	451	420	358	314	297	46
15°	649	503	297	210	187	184
25°	726	507	220	133	112	333
35°	651	430	154	87	75	403
45°	455	291	104	62	52	349
55°	231	168	69	44	35	214
65°	100	69	40	25	19	101
75°	17	15	8	4	2	22
85°	0	0	0	0	0	0
90°	0	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°	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0
2.5°	409.6	407.5	407.5	403.3	399.2	395.0	388.8	382.5	376.3	370.1	365.9
5°	451.1	453.2	451.1	442.8	432.4	420.0	407.5	392.9	378.4	365.9	357.6
7.5°	499.0	499.0	492.7	482.3	467.8	447.0	426.2	401.2	378.4	357.6	347.2
10°	544.7	544.7	534.3	517.7	494.8	467.8	438.7	405.4	374.2	345.1	332.6
12.5°	600.8	598.7	586.3	559.2	526.0	486.5	447.0	405.4	368.0	332.6	316.0
15°	648.6	646.6	629.9	596.7	553.0	503.1	449.1	401.2	355.5	316.0	297.3
17.5°	684.0	679.8	661.1	625.8	575.9	513.5	451.1	392.9	341.0	297.3	278.6
20°	706.9	704.8	684.0	642.4	588.4	519.7	449.1	382.5	326.4	278.6	257.8
22.5°	721.4	717.2	696.5	650.7	588.4	517.7	440.7	368.0	307.7	259.9	239.1
25°	725.6	723.5	698.5	648.6	582.1	507.3	428.3	353.4	289.0	241.2	220.4
26°	725.6	723.5	698.5	646.6	578.0	501.0	422.0	347.2	282.7	232.8	214.1
27.5°	723.5	721.4	694.4	640.3	569.6	490.6	409.6	334.7	270.3	222.5	201.7
30°	711.0	706.9	679.8	625.8	550.9	469.8	388.8	316.0	251.6	203.7	185.0
32.5°	684.0	679.8	650.7	600.8	530.1	447.0	365.9	295.2	232.8	185.0	168.4
35°	650.7	646.6	617.5	569.6	501.0	430.3	341.0	272.3	212.1	170.5	153.8
37.5°	609.1	602.9	578.0	528.1	465.7	411.6	320.2	249.5	193.3	153.8	139.3
40°	557.2	555.1	532.2	486.5	424.1	378.4	307.7	249.5	176.7	139.3	126.8
42.5°	507.3	503.1	482.3	442.8	386.7	330.6	270.3	239.1	164.2	124.7	114.3
45°	455.3	451.1	432.4	399.2	347.2	291.1	291.1	205.8	141.4	114.3	103.9
47.5°	399.2	395.0	380.5	355.5	309.8	259.9	212.1	168.4	128.9	101.9	93.6
50°	343.0	345.1	332.6	307.7	272.3	226.6	183.0	141.4	110.2	91.5	83.2
52.5°	286.9	284.8	276.5	259.9	234.9	195.4	155.9	120.6	95.6	81.1	76.9
55°	230.8	232.8	228.7	218.3	197.5	168.4	131.0	103.9	85.2	72.8	68.6
57.5°	191.3	193.3	185.0	178.8	162.2	137.2	108.1	87.3	72.8	64.4	60.3
60°	158.0	160.1	153.8	145.5	133.1	110.2	87.3	72.8	64.4	58.2	54.1
62.5°	128.9	126.8	122.7	114.3	103.9	87.3	70.7	60.3	54.1	49.9	47.8
65°	99.8	99.8	95.6	89.4	81.1	68.6	56.1	49.9	45.7	41.6	39.5
67.5°	74.8	74.8	70.7	66.5	58.2	49.9	43.7	39.5	37.4	33.3	31.2
70°	52.0	52.0	49.9	47.8	41.6	35.3	33.3	29.1	27.0	24.9	22.9
72.5°	33.3	33.3	33.3	29.1	27.0	22.9	22.9	20.8	18.7	16.6	16.6
75°	16.6	18.7	16.6	16.6	14.6	14.6	12.5	12.5	10.4	10.4	8.3
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.2	4.2	4.2	4.2	4.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0	368.0
2.5°	361.7	355.5	351.3	345.1	341.0	336.8	334.7	332.6	332.6	332.6
5°	351.3	341.0	330.6	320.2	313.9	307.7	301.5	299.4	297.3	297.3
7.5°	338.9	322.2	307.7	295.2	284.8	278.6	272.3	268.2	266.1	266.1
10°	322.2	301.5	284.8	268.2	257.8	249.5	245.3	239.1	239.1	237.0
12.5°	303.5	278.6	259.9	245.3	234.9	224.5	218.3	214.1	212.1	212.1
15°	282.7	257.8	237.0	220.4	210.0	199.6	193.3	189.2	187.1	187.1
17.5°	262.0	234.9	214.1	197.5	187.1	176.7	170.5	166.3	166.3	164.2
20°	241.2	214.1	193.3	176.7	166.3	158.0	151.8	147.6	145.5	147.6
22.5°	222.5	195.4	174.6	160.1	147.6	139.3	133.1	131.0	128.9	128.9
25°	201.7	176.7	158.0	143.4	133.1	124.7	118.5	116.4	114.3	112.3
26°	195.4	170.5	151.8	137.2	126.8	118.5	114.3	110.2	108.1	108.1
27.5°	187.1	160.1	143.4	128.9	118.5	112.3	106.0	103.9	101.9	101.9
30°	168.4	145.5	128.9	116.4	108.1	99.8	95.6	93.6	91.5	91.5
32.5°	153.8	131.0	116.4	106.0	97.7	91.5	87.3	83.2	83.2	83.2
35°	139.3	118.5	106.0	95.6	87.3	81.1	79.0	76.9	74.8	74.8
37.5°	126.8	108.1	95.6	87.3	81.1	74.8	70.7	68.6	68.6	68.6
40°	114.3	99.8	87.3	79.0	72.8	68.6	64.4	62.4	62.4	62.4
42.5°	103.9	89.4	81.1	72.8	66.5	62.4	60.3	58.2	56.1	56.1
45°	95.6	83.2	72.8	66.5	62.4	58.2	54.1	52.0	52.0	52.0
47.5°	85.2	76.9	66.5	60.3	56.1	52.0	49.9	47.8	47.8	47.8
50°	79.0	70.7	62.4	56.1	52.0	47.8	45.7	43.7	43.7	43.7
52.5°	70.7	64.4	58.2	52.0	47.8	43.7	41.6	39.5	39.5	39.5
55°	64.4	58.2	52.0	47.8	43.7	39.5	37.4	35.3	35.3	35.3
57.5°	58.2	52.0	47.8	43.7	39.5	37.4	33.3	33.3	31.2	31.2
60°	52.0	45.7	41.6	39.5	35.3	33.3	29.1	27.0	27.0	27.0
62.5°	43.7	41.6	37.4	33.3	29.1	27.0	24.9	22.9	22.9	22.9
65°	37.4	35.3	31.2	27.0	24.9	22.9	20.8	18.7	18.7	18.7
67.5°	31.2	27.0	24.9	22.9	20.8	18.7	16.6	14.6	12.5	14.6
70°	22.9	20.8	18.7	16.6	14.6	12.5	10.4	10.4	8.3	8.3
72.5°	14.6	12.5	12.5	10.4	8.3	8.3	6.2	6.2	4.2	4.2
75°	8.3	8.3	6.2	6.2	4.2	4.2	2.1	2.1	2.1	2.1
77.5°	4.2	2.1	2.1	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)