

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: P3ART20R709730D010 E3LCWW1WMH

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: P3ART20R709730D010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

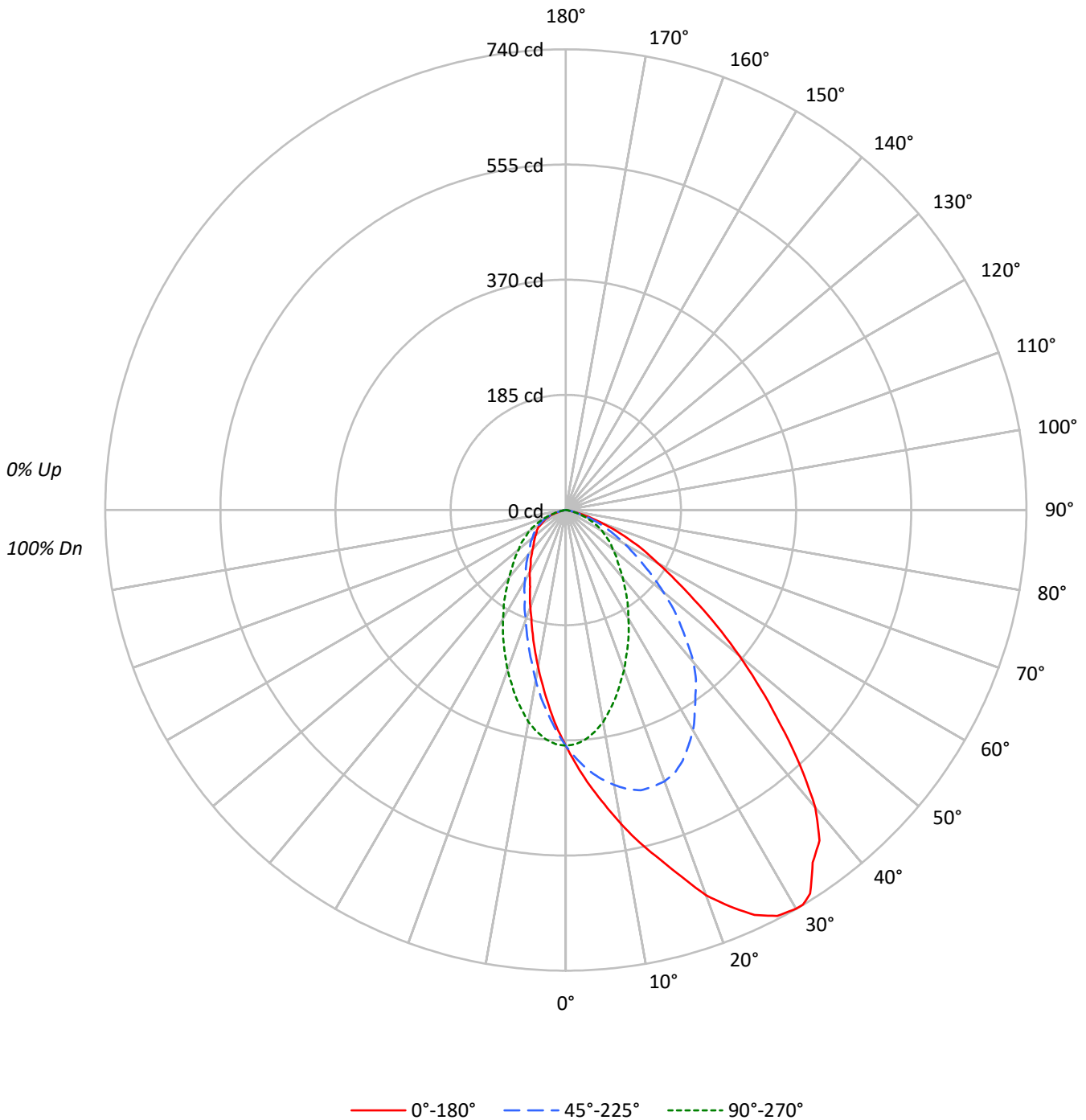
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 26.7 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): 28.8
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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CATALOG NUMBER: P3ART20R709730D010 E3LCWW1WMH

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°	82998	82998	82998	82998	82998
5°	97755	92472	81378	72243	69337
10°	113981	99865	76975	61856	57002
15°	131624	105789	70534	52146	46697
20°	153663	108229	63822	43894	38807
25°	173623	107450	57173	37575	32808
30°	187244	103586	50970	33246	29372
35°	185056	97226	45668	29874	26368
40°	178477	91428	40705	26936	23787
45°	151303	80722	36624	25088	22390
50°	123902	69422	33602	23880	21628
55°	96188	57728	31769	23435	21753
60°	74819	47979	29734	23024	20130
65°	59047	39745	26099	21585	19302
70°	40648	29428	21029	18208	16862
75°	20418	16691	14827	12963	11099
80°	2778	5556	8334	5556	2778
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 151303 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART20R709730D010 E3LCWW1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	4.6
10°-20°	98.6	12.8
20°-30°	145.3	18.9
30°-40°	162.9	21.2
40°-50°	143.2	18.6
50°-60°	102.5	13.3
60°-70°	60.7	7.9
70°-80°	20.4	2.6
80°-90°	1.0	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°	279.3	36.3
0°-40°	442.2	57.4
0°-60°	688.0	89.3
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	444	420	370	328	315	44
15°	580	466	311	230	206	167
25°	718	444	236	155	136	330
35°	691	363	171	112	98	434
45°	488	260	118	81	72	377
55°	252	151	83	61	57	230
65°	114	77	50	42	37	114
75°	24	20	18	15	13	29
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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 CATALOG NUMBER: P3ART20R709730D010 E3LCWW1WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	411.3	411.3	411.3	406.9	406.9	400.4	396.0	389.4	385.1	378.5	376.3
5°	444.1	444.1	439.7	435.4	428.8	420.1	409.1	398.2	385.1	374.1	369.7
7.5°	476.9	479.1	472.6	463.8	450.7	435.4	420.1	402.6	382.9	367.5	358.8
10°	511.9	511.9	503.2	490.1	470.4	448.5	424.4	400.4	376.3	354.4	345.7
12.5°	546.9	544.8	533.8	514.1	490.1	459.4	426.6	396.0	367.5	341.3	328.2
15°	579.8	579.8	564.4	540.4	505.4	466.0	426.6	387.2	354.4	323.8	310.7
17.5°	617.0	617.0	597.3	560.1	516.3	466.0	420.1	376.3	339.1	306.3	291.0
20°	658.5	656.3	627.9	577.6	520.7	463.8	411.3	363.2	321.6	286.6	273.5
22.5°	689.2	687.0	654.1	592.9	522.9	457.2	396.0	345.7	304.1	269.1	253.8
25°	717.6	713.2	676.0	599.5	518.5	444.1	380.7	326.0	286.6	251.6	236.3
27.5°	735.1	732.9	691.3	597.3	507.6	426.6	361.0	308.5	266.9	231.9	218.8
30°	739.5	741.7	691.3	586.3	490.1	409.1	341.3	288.8	247.2	216.6	201.3
31°	739.5	741.7	687.0	579.8	483.5	400.4	332.5	282.2	238.5	207.8	194.7
32.5°	730.7	726.3	680.4	568.8	468.2	385.1	321.6	271.3	227.5	196.9	186.0
35°	691.3	693.5	658.5	544.8	446.3	363.2	299.7	249.4	207.8	181.6	170.6
37.5°	669.5	669.5	606.0	511.9	422.2	343.5	273.5	225.3	190.3	166.3	155.3
40°	623.5	617.0	557.9	476.9	393.8	319.4	258.2	210.0	175.0	151.0	142.2
42.5°	557.9	551.3	505.4	446.3	356.6	288.8	245.0	186.0	157.5	137.8	129.1
45°	487.9	483.5	448.5	393.8	321.6	260.3	212.2	170.6	144.4	124.7	118.1
47.5°	424.4	417.9	391.6	350.0	291.0	234.1	183.8	153.1	129.1	113.8	109.4
50°	363.2	361.0	339.1	306.3	258.2	203.5	161.9	135.6	118.1	105.0	98.5
52.5°	306.3	301.9	291.0	264.7	225.3	177.2	142.2	120.3	105.0	96.3	91.9
55°	251.6	251.6	240.7	223.2	192.5	151.0	124.7	107.2	94.1	87.5	83.1
57.5°	207.8	207.8	199.1	188.1	159.7	129.1	109.4	94.1	85.3	78.8	74.4
60°	170.6	170.6	164.1	153.1	133.5	109.4	94.1	83.1	76.6	70.0	67.8
62.5°	142.2	140.0	135.6	124.7	109.4	91.9	80.9	72.2	65.6	61.3	59.1
65°	113.8	111.6	107.2	98.5	87.5	76.6	67.8	61.3	56.9	52.5	50.3
67.5°	87.5	87.5	83.1	76.6	67.8	61.3	54.7	50.3	45.9	43.8	41.6
70°	63.4	63.4	61.3	56.9	50.3	45.9	41.6	39.4	37.2	35.0	32.8
72.5°	43.8	43.8	41.6	39.4	35.0	32.8	28.4	28.4	26.3	26.3	24.1
75°	24.1	24.1	24.1	21.9	21.9	19.7	19.7	19.7	17.5	17.5	17.5
77.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
80°	2.2	2.2	2.2	2.2	4.4	4.4	4.4	4.4	6.6	6.6	6.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	374.1	367.5	363.2	361.0	354.4	352.2	350.0	347.9	347.9	347.9
5°	365.4	354.4	343.5	336.9	328.2	323.8	319.4	317.2	315.0	315.0
7.5°	350.0	336.9	323.8	312.9	304.1	295.4	291.0	286.6	286.6	284.4
10°	334.7	317.2	301.9	286.6	277.8	266.9	262.5	258.2	256.0	256.0
12.5°	317.2	295.4	277.8	264.7	251.6	242.8	236.3	231.9	229.7	229.7
15°	297.5	275.7	256.0	242.8	229.7	218.8	212.2	207.8	205.7	205.7
17.5°	277.8	256.0	234.1	221.0	207.8	196.9	192.5	188.1	186.0	183.8
20°	260.3	234.1	216.6	199.1	188.1	179.4	172.8	168.5	166.3	166.3
22.5°	240.7	216.6	196.9	183.8	172.8	164.1	155.3	153.1	151.0	151.0
25°	221.0	199.1	181.6	168.5	155.3	148.8	142.2	137.8	137.8	135.6
27.5°	205.7	183.8	166.3	153.1	144.4	135.6	131.3	126.9	124.7	124.7
30°	188.1	168.5	153.1	142.2	131.3	124.7	120.3	116.0	116.0	116.0
31°	183.8	164.1	148.8	135.6	126.9	120.3	116.0	113.8	111.6	111.6
32.5°	172.8	155.3	140.0	129.1	120.3	113.8	109.4	107.2	107.2	105.0
35°	159.7	142.2	129.1	118.1	111.6	105.0	100.6	98.5	98.5	98.5
37.5°	146.6	131.3	118.1	109.4	102.8	96.3	94.1	89.7	89.7	89.7
40°	133.5	120.3	109.4	100.6	94.1	89.7	87.5	85.3	83.1	83.1
42.5°	122.5	109.4	100.6	94.1	87.5	83.1	80.9	78.8	78.8	76.6
45°	111.6	100.6	94.1	87.5	80.9	78.8	76.6	74.4	72.2	72.2
47.5°	102.8	94.1	85.3	80.9	76.6	72.2	70.0	70.0	67.8	67.8
50°	94.1	85.3	78.8	74.4	70.0	67.8	65.6	65.6	63.4	63.4
52.5°	87.5	78.8	74.4	70.0	65.6	63.4	61.3	61.3	59.1	59.1
55°	78.8	72.2	67.8	65.6	61.3	59.1	56.9	54.7	54.7	56.9
57.5°	72.2	67.8	63.4	61.3	56.9	54.7	52.5	52.5	50.3	52.5
60°	65.6	61.3	56.9	54.7	52.5	50.3	48.1	45.9	45.9	45.9
62.5°	59.1	54.7	52.5	48.1	45.9	45.9	43.8	43.8	43.8	41.6
65°	50.3	48.1	45.9	43.8	41.6	39.4	39.4	37.2	37.2	37.2
67.5°	41.6	39.4	37.2	37.2	35.0	32.8	32.8	32.8	32.8	30.6
70°	32.8	30.6	30.6	28.4	28.4	28.4	26.3	26.3	26.3	26.3
72.5°	24.1	24.1	21.9	21.9	21.9	21.9	19.7	19.7	19.7	19.7
75°	17.5	17.5	17.5	15.3	15.3	15.3	13.1	13.1	13.1	13.1
77.5°	10.9	10.9	10.9	10.9	10.9	8.8	8.8	8.8	8.8	8.8
80°	6.6	6.6	6.6	6.6	4.4	4.4	4.4	4.4	4.4	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	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)