

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: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

Issue Date: 5/8/2026

**Test Information**

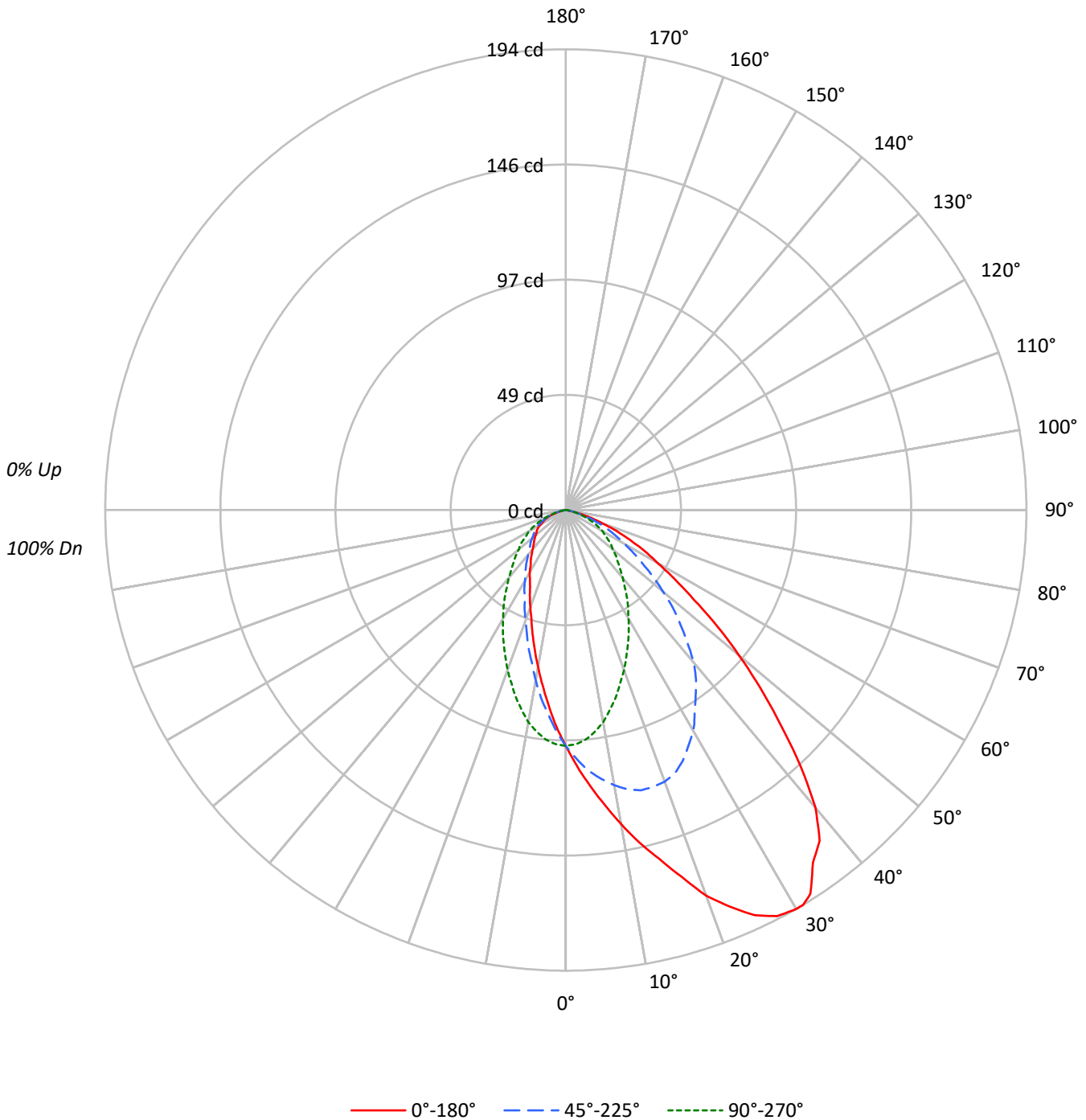
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 202.0 lumens  
Efficiency: N/A  
Efficacy: 34.2 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): 5.9  
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: P#  
CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

**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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

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

	0°	45°	90°	135°	180°
0°	21775	21775	21775	21775	21775
5°	25644	24257	21351	18952	18182
10°	29904	26207	20196	16232	14963
15°	34529	27741	18502	13689	12259
20°	40324	28399	16731	11528	10174
25°	45559	28187	15001	9847	8613
30°	49121	27169	13369	8710	7697
35°	48559	25511	11993	7843	6906
40°	46831	23988	10677	7070	6240
45°	39694	21180	9613	6574	5861
50°	32511	18217	8801	6277	5663
55°	25232	15139	8334	6155	5696
60°	19648	12587	7806	6052	5307
65°	15462	10429	6849	5656	5085
70°	10643	7758	5514	4809	4424
75°	5338	4406	3897	3389	2881
80°	758	1389	2147	1389	758
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39694 cd/sqm



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	4.6
10°-20°	25.9	12.8
20°-30°	38.1	18.9
30°-40°	42.7	21.2
40°-50°	37.6	18.6
50°-60°	26.9	13.3
60°-70°	15.9	7.9
70°-80°	5.3	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>73.3</b>	<b>36.3</b>
<b>0°-40°</b>	<b>116.0</b>	<b>57.4</b>
<b>0°-60°</b>	<b>180.5</b>	<b>89.3</b>
<b>0°-90°</b>	<b>202.0</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>202.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	116	110	97	86	83	12
15°	152	122	82	60	54	44
25°	188	116	62	41	36	87
35°	181	95	45	29	26	114
45°	128	68	31	21	19	99
55°	66	40	22	16	15	60
65°	30	20	13	11	10	30
75°	6	5	5	4	3	8
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	107.9	107.9	107.9	106.8	106.8	105.0	103.9	102.2	101.0	99.3	98.7
5°	116.5	116.5	115.4	114.2	112.5	110.2	107.3	104.5	101.0	98.1	97.0
7.5°	125.1	125.7	124.0	121.7	118.2	114.2	110.2	105.6	100.4	96.4	94.1
10°	134.3	134.3	132.0	128.6	123.4	117.7	111.3	105.0	98.7	93.0	90.7
12.5°	143.5	142.9	140.0	134.9	128.6	120.5	111.9	103.9	96.4	89.5	86.1
15°	152.1	152.1	148.1	141.8	132.6	122.2	111.9	101.6	93.0	84.9	81.5
17.5°	161.9	161.9	156.7	146.9	135.4	122.2	110.2	98.7	89.0	80.4	76.3
20°	172.8	172.2	164.7	151.5	136.6	121.7	107.9	95.3	84.4	75.2	71.7
22.5°	180.8	180.2	171.6	155.5	137.2	120.0	103.9	90.7	79.8	70.6	66.6
25°	188.3	187.1	177.3	157.3	136.0	116.5	99.9	85.5	75.2	66.0	62.0
27.5°	192.8	192.3	181.4	156.7	133.2	111.9	94.7	80.9	70.0	60.8	57.4
30°	194.0	194.6	181.4	153.8	128.6	107.3	89.5	75.8	64.9	56.8	52.8
31°	194.0	194.6	180.2	152.1	126.8	105.0	87.2	74.0	62.6	54.5	51.1
32.5°	191.7	190.5	178.5	149.2	122.8	101.0	84.4	71.2	59.7	51.7	48.8
35°	181.4	181.9	172.8	142.9	117.1	95.3	78.6	65.4	54.5	47.6	44.8
37.5°	175.6	175.6	159.0	134.3	110.8	90.1	71.7	59.1	49.9	43.6	40.7
40°	163.6	161.9	146.4	125.1	103.3	83.8	67.7	55.1	45.9	39.6	37.3
42.5°	146.4	144.6	132.6	117.1	93.6	75.8	64.3	48.8	41.3	36.2	33.9
45°	128.0	126.8	117.7	103.3	84.4	68.3	55.7	44.8	37.9	32.7	31.0
47.5°	111.3	109.6	102.7	91.8	76.3	61.4	48.2	40.2	33.9	29.8	28.7
50°	95.3	94.7	89.0	80.4	67.7	53.4	42.5	35.6	31.0	27.5	25.8
52.5°	80.4	79.2	76.3	69.4	59.1	46.5	37.3	31.6	27.5	25.3	24.1
55°	66.0	66.0	63.1	58.5	50.5	39.6	32.7	28.1	24.7	23.0	21.8
57.5°	54.5	54.5	52.2	49.4	41.9	33.9	28.7	24.7	22.4	20.7	19.5
60°	44.8	44.8	43.0	40.2	35.0	28.7	24.7	21.8	20.1	18.4	17.8
62.5°	37.3	36.7	35.6	32.7	28.7	24.1	21.2	18.9	17.2	16.1	15.5
65°	29.8	29.3	28.1	25.8	23.0	20.1	17.8	16.1	14.9	13.8	13.2
67.5°	23.0	23.0	21.8	20.1	17.8	16.1	14.3	13.2	12.1	11.5	10.9
70°	16.6	16.6	16.1	14.9	13.2	12.1	10.9	10.3	9.8	9.2	8.6
72.5°	11.5	11.5	10.9	10.3	9.2	8.6	7.5	7.5	6.9	6.9	6.3
75°	6.3	6.3	6.3	5.7	5.7	5.2	5.2	5.2	4.6	4.6	4.6
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.7	1.7	1.7
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



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1WMH\_2700K

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	98.1	96.4	95.3	94.7	93.0	92.4	91.8	91.3	91.3	91.3
5°	95.8	93.0	90.1	88.4	86.1	84.9	83.8	83.2	82.6	82.6
7.5°	91.8	88.4	84.9	82.1	79.8	77.5	76.3	75.2	75.2	74.6
10°	87.8	83.2	79.2	75.2	72.9	70.0	68.9	67.7	67.2	67.2
12.5°	83.2	77.5	72.9	69.4	66.0	63.7	62.0	60.8	60.3	60.3
15°	78.1	72.3	67.2	63.7	60.3	57.4	55.7	54.5	54.0	54.0
17.5°	72.9	67.2	61.4	58.0	54.5	51.7	50.5	49.4	48.8	48.2
20°	68.3	61.4	56.8	52.2	49.4	47.1	45.3	44.2	43.6	43.6
22.5°	63.1	56.8	51.7	48.2	45.3	43.0	40.7	40.2	39.6	39.6
25°	58.0	52.2	47.6	44.2	40.7	39.0	37.3	36.2	36.2	35.6
27.5°	54.0	48.2	43.6	40.2	37.9	35.6	34.4	33.3	32.7	32.7
30°	49.4	44.2	40.2	37.3	34.4	32.7	31.6	30.4	30.4	30.4
31°	48.2	43.0	39.0	35.6	33.3	31.6	30.4	29.8	29.3	29.3
32.5°	45.3	40.7	36.7	33.9	31.6	29.8	28.7	28.1	28.1	27.5
35°	41.9	37.3	33.9	31.0	29.3	27.5	26.4	25.8	25.8	25.8
37.5°	38.5	34.4	31.0	28.7	27.0	25.3	24.7	23.5	23.5	23.5
40°	35.0	31.6	28.7	26.4	24.7	23.5	23.0	22.4	21.8	21.8
42.5°	32.1	28.7	26.4	24.7	23.0	21.8	21.2	20.7	20.7	20.1
45°	29.3	26.4	24.7	23.0	21.2	20.7	20.1	19.5	18.9	18.9
47.5°	27.0	24.7	22.4	21.2	20.1	18.9	18.4	18.4	17.8	17.8
50°	24.7	22.4	20.7	19.5	18.4	17.8	17.2	17.2	16.6	16.6
52.5°	23.0	20.7	19.5	18.4	17.2	16.6	16.1	16.1	15.5	15.5
55°	20.7	18.9	17.8	17.2	16.1	15.5	14.9	14.3	14.3	14.9
57.5°	18.9	17.8	16.6	16.1	14.9	14.3	13.8	13.8	13.2	13.8
60°	17.2	16.1	14.9	14.3	13.8	13.2	12.6	12.1	12.1	12.1
62.5°	15.5	14.3	13.8	12.6	12.1	12.1	11.5	11.5	11.5	10.9
65°	13.2	12.6	12.1	11.5	10.9	10.3	10.3	9.8	9.8	9.8
67.5°	10.9	10.3	9.8	9.8	9.2	8.6	8.6	8.6	8.6	8.0
70°	8.6	8.0	8.0	7.5	7.5	7.5	6.9	6.9	6.9	6.9
72.5°	6.3	6.3	5.7	5.7	5.7	5.7	5.2	5.2	5.2	5.2
75°	4.6	4.6	4.6	4.0	4.0	4.0	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	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)