

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: P3ART13R70B2750DE010 E3LSWW1H\_5000K

Issue Date: 5/8/2026

**Test Information**

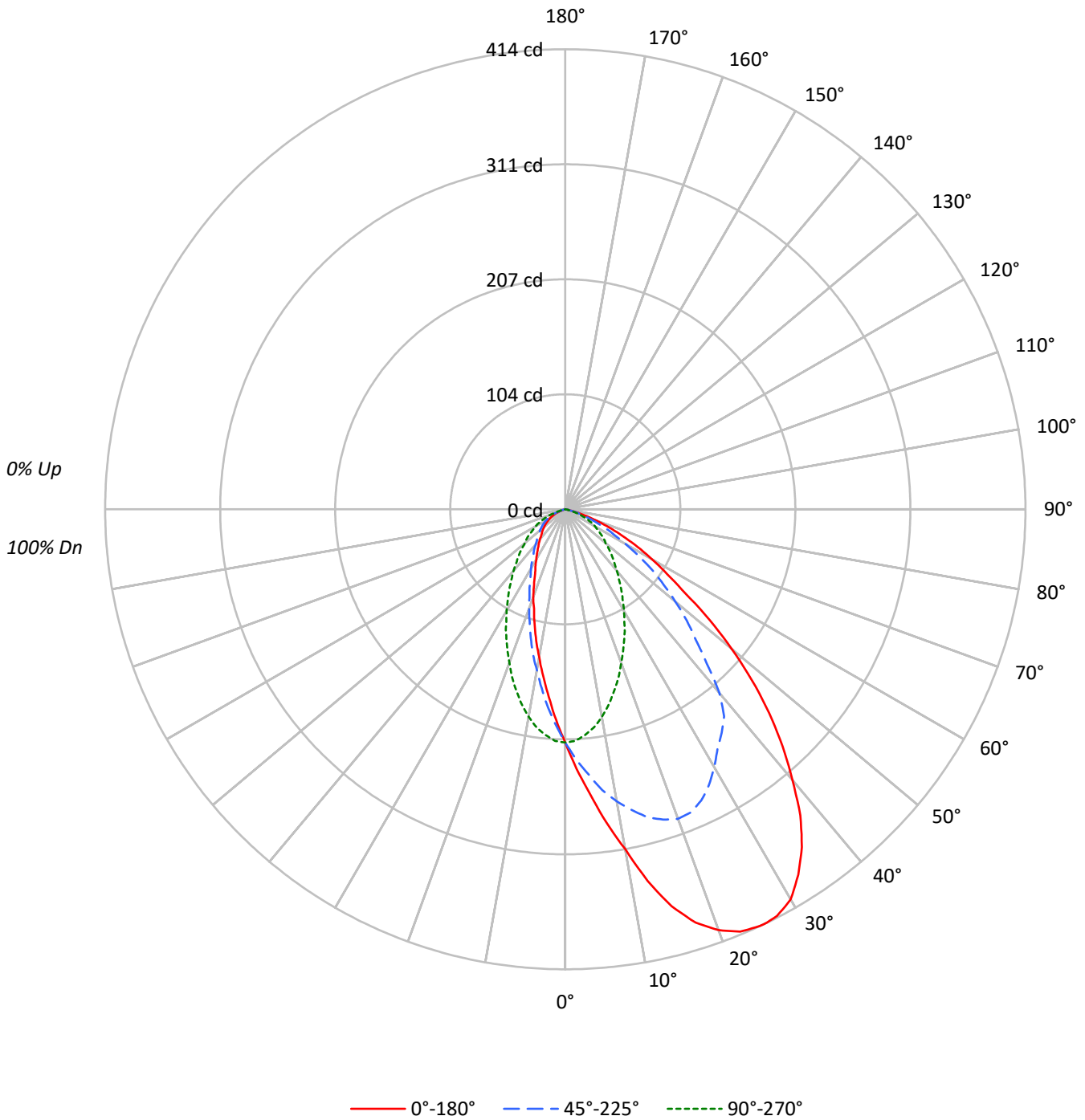
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R70B2750DE010 E3LSWW1H\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 21.9 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): 19.1  
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	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°	46005	46005	46005	46005	46005
5°	56636	52718	44882	39401	37310
10°	69159	59407	42239	32732	30104
15°	83973	65131	38479	27174	24223
20°	94065	69166	34303	22122	19648
25°	100119	69996	30413	18364	15485
30°	102674	67833	26713	15597	13217
35°	99341	65692	23477	13331	11430
40°	90942	61773	20696	11879	10191
45°	80504	51478	18390	11040	9179
50°	66727	44075	16170	10098	8494
55°	50311	36701	14948	9519	7723
60°	39514	27542	13508	8859	6754
65°	29523	20288	11674	7368	5552
70°	18978	12951	8335	5321	3013
75°	8049	7032	3982	2033	1017
80°	1515	1515	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 80504 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.9	4.8
10°-20°	57.3	13.7
20°-30°	83.8	20.0
30°-40°	91.3	21.8
40°-50°	79.0	18.9
50°-60°	52.9	12.7
60°-70°	27.3	6.5
70°-80°	6.5	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°	161.0	38.5
0°-40°	252.2	60.3
0°-60°	384.1	91.9
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	210	210	210	210	210	
5°	257	240	204	179	170	26
15°	370	287	170	120	107	105
25°	414	289	126	76	64	190
35°	371	245	88	50	43	230
45°	260	166	59	36	30	199
55°	132	96	39	25	20	122
65°	57	39	22	14	11	57
75°	10	8	5	2	1	12
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°	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8
2.5°	233.6	232.4	232.4	230.0	227.6	225.3	221.7	218.1	214.6	211.0	208.7
5°	257.3	258.5	257.3	252.5	246.6	239.5	232.4	224.1	215.8	208.7	203.9
7.5°	284.5	284.5	281.0	275.0	266.8	254.9	243.0	228.8	215.8	203.9	198.0
10°	310.6	310.6	304.7	295.2	282.2	266.8	250.2	231.2	213.4	196.8	189.7
12.5°	342.6	341.4	334.3	318.9	299.9	277.4	254.9	231.2	209.8	189.7	180.2
15°	369.9	368.7	359.2	340.3	315.4	286.9	256.1	228.8	202.7	180.2	169.5
17.5°	390.0	387.7	377.0	356.9	328.4	292.8	257.3	224.1	194.4	169.5	158.9
20°	403.1	401.9	390.0	366.3	335.5	296.4	256.1	218.1	186.1	158.9	147.0
22.5°	411.4	409.0	397.2	371.1	335.5	295.2	251.3	209.8	175.5	148.2	136.3
25°	413.8	412.6	398.3	369.9	332.0	289.3	244.2	201.5	164.8	137.5	125.7
26°	413.8	412.6	398.3	368.7	329.6	285.7	240.7	198.0	161.2	132.8	122.1
27.5°	412.6	411.4	396.0	365.2	324.8	279.8	233.6	190.9	154.1	126.9	115.0
30°	405.5	403.1	387.7	356.9	314.2	267.9	221.7	180.2	143.5	116.2	105.5
32.5°	390.0	387.7	371.1	342.6	302.3	254.9	208.7	168.3	132.8	105.5	96.0
35°	371.1	368.7	352.1	324.8	285.7	245.4	194.4	155.3	120.9	97.2	87.7
37.5°	347.4	343.8	329.6	301.1	265.6	234.7	182.6	142.3	110.3	87.7	79.4
40°	317.7	316.5	303.5	277.4	241.9	215.8	175.5	142.3	100.8	79.4	72.3
42.5°	289.3	286.9	275.0	252.5	220.5	188.5	154.1	136.3	93.7	71.1	65.2
45°	259.6	257.3	246.6	227.6	198.0	166.0	166.0	117.4	80.6	65.2	59.3
47.5°	227.6	225.3	217.0	202.7	176.6	148.2	120.9	96.0	73.5	58.1	53.4
50°	195.6	196.8	189.7	175.5	155.3	129.2	104.3	80.6	62.8	52.2	47.4
52.5°	163.6	162.4	157.7	148.2	134.0	111.4	88.9	68.8	54.5	46.2	43.9
55°	131.6	132.8	130.4	124.5	112.6	96.0	74.7	59.3	48.6	41.5	39.1
57.5°	109.1	110.3	105.5	102.0	92.5	78.2	61.6	49.8	41.5	36.8	34.4
60°	90.1	91.3	87.7	83.0	75.9	62.8	49.8	41.5	36.8	33.2	30.8
62.5°	73.5	72.3	69.9	65.2	59.3	49.8	40.3	34.4	30.8	28.5	27.3
65°	56.9	56.9	54.5	51.0	46.2	39.1	32.0	28.5	26.1	23.7	22.5
67.5°	42.7	42.7	40.3	37.9	33.2	28.5	24.9	22.5	21.3	19.0	17.8
70°	29.6	29.6	28.5	27.3	23.7	20.2	19.0	16.6	15.4	14.2	13.0
72.5°	19.0	19.0	19.0	16.6	15.4	13.0	13.0	11.9	10.7	9.5	9.5
75°	9.5	10.7	9.5	9.5	8.3	8.3	7.1	7.1	5.9	5.9	4.7
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8
2.5°	206.3	202.7	200.4	196.8	194.4	192.1	190.9	189.7	189.7	189.7
5°	200.4	194.4	188.5	182.6	179.0	175.5	171.9	170.7	169.5	169.5
7.5°	193.2	183.8	175.5	168.3	162.4	158.9	155.3	152.9	151.8	151.8
10°	183.8	171.9	162.4	152.9	147.0	142.3	139.9	136.3	136.3	135.2
12.5°	173.1	158.9	148.2	139.9	134.0	128.0	124.5	122.1	120.9	120.9
15°	161.2	147.0	135.2	125.7	119.7	113.8	110.3	107.9	106.7	106.7
17.5°	149.4	134.0	122.1	112.6	106.7	100.8	97.2	94.8	94.8	93.7
20°	137.5	122.1	110.3	100.8	94.8	90.1	86.5	84.2	83.0	84.2
22.5°	126.9	111.4	99.6	91.3	84.2	79.4	75.9	74.7	73.5	73.5
25°	115.0	100.8	90.1	81.8	75.9	71.1	67.6	66.4	65.2	64.0
26°	111.4	97.2	86.5	78.2	72.3	67.6	65.2	62.8	61.6	61.6
27.5°	106.7	91.3	81.8	73.5	67.6	64.0	60.5	59.3	58.1	58.1
30°	96.0	83.0	73.5	66.4	61.6	56.9	54.5	53.4	52.2	52.2
32.5°	87.7	74.7	66.4	60.5	55.7	52.2	49.8	47.4	47.4	47.4
35°	79.4	67.6	60.5	54.5	49.8	46.2	45.1	43.9	42.7	42.7
37.5°	72.3	61.6	54.5	49.8	46.2	42.7	40.3	39.1	39.1	39.1
40°	65.2	56.9	49.8	45.1	41.5	39.1	36.8	35.6	35.6	35.6
42.5°	59.3	51.0	46.2	41.5	37.9	35.6	34.4	33.2	32.0	32.0
45°	54.5	47.4	41.5	37.9	35.6	33.2	30.8	29.6	29.6	29.6
47.5°	48.6	43.9	37.9	34.4	32.0	29.6	28.5	27.3	27.3	27.3
50°	45.1	40.3	35.6	32.0	29.6	27.3	26.1	24.9	24.9	24.9
52.5°	40.3	36.8	33.2	29.6	27.3	24.9	23.7	22.5	22.5	22.5
55°	36.8	33.2	29.6	27.3	24.9	22.5	21.3	20.2	20.2	20.2
57.5°	33.2	29.6	27.3	24.9	22.5	21.3	19.0	19.0	17.8	17.8
60°	29.6	26.1	23.7	22.5	20.2	19.0	16.6	15.4	15.4	15.4
62.5°	24.9	23.7	21.3	19.0	16.6	15.4	14.2	13.0	13.0	13.0
65°	21.3	20.2	17.8	15.4	14.2	13.0	11.9	10.7	10.7	10.7
67.5°	17.8	15.4	14.2	13.0	11.9	10.7	9.5	8.3	7.1	8.3
70°	13.0	11.9	10.7	9.5	8.3	7.1	5.9	5.9	4.7	4.7
72.5°	8.3	7.1	7.1	5.9	4.7	4.7	3.6	3.6	2.4	2.4
75°	4.7	4.7	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2
77.5°	2.4	1.2	1.2	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)