

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: P1426623

Luminaire Tested: P3A13RHB2750DE010 E3HY1H_2700K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13RHB2750DE010 E3HY1H_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 2700K CCT AND, 90CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

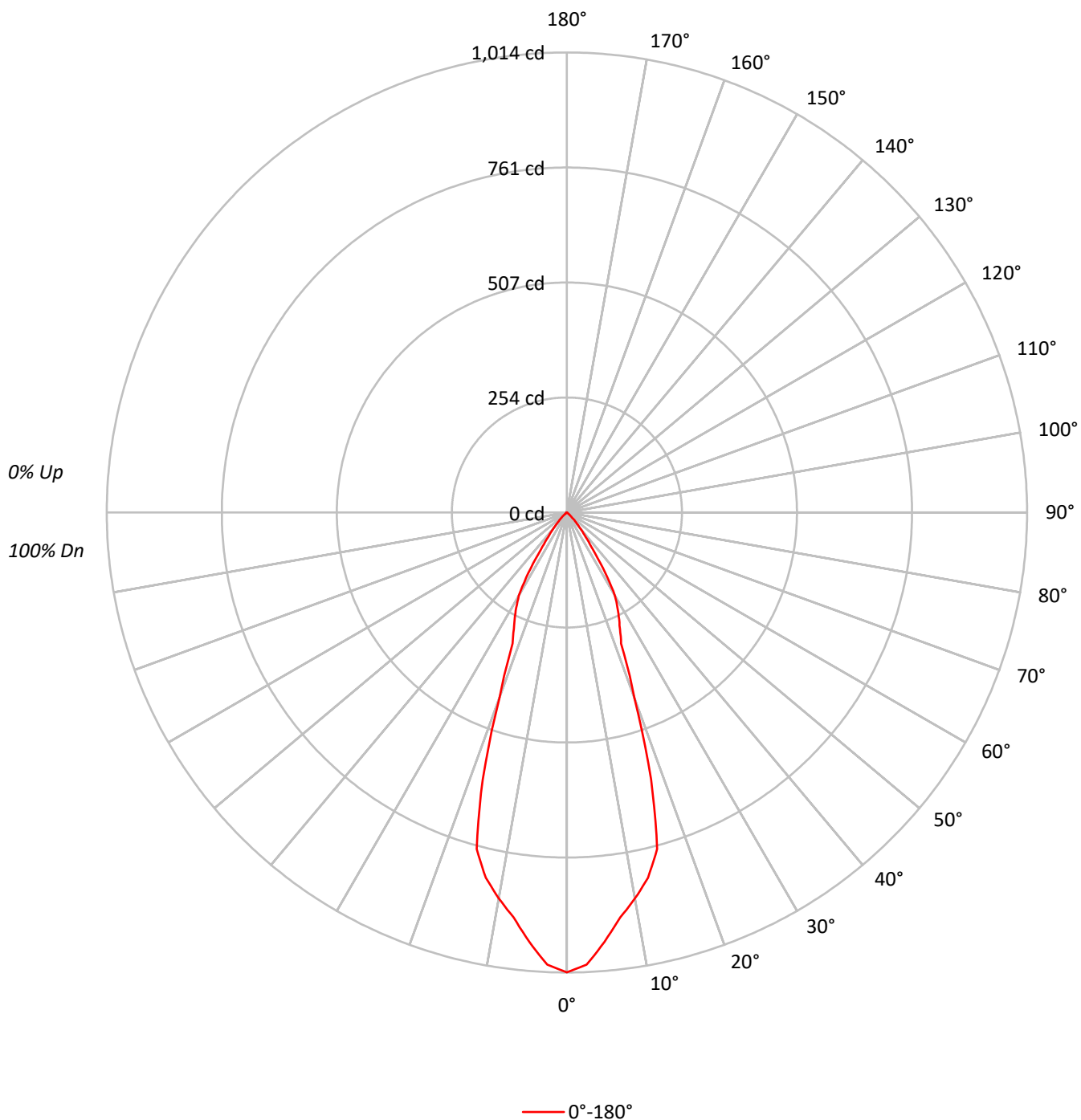
Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1426623

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1426623

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1H_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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98	98	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75		81	77	74		80	76	74	73
7	88	80	75	72	87	80	75	71	79	74	71		77	74	71		76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67		74	70	67		73	70	67	66
9	82	73	68	65	81	73	68	65	72	67	64		71	67	64		70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	61		68	64	61		68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222263
5°	209090
10°	192359
15°	174348
20°	101509
25°	66464
30°	53629
35°	26502
40°	13397
45°	5954
50°	1569
55°	306
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5954 cd/sqm

TEST NUMBER: P1426623

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	17.5
10°-20°	196.5	39.1
20°-30°	131.0	26.1
30°-40°	69.2	13.8
40°-50°	16.3	3.2
50°-60°	1.2	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	415.4	82.7
0°-40°	484.6	96.5
0°-60°	502.0	100.0
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1014	
5°	950	88
15°	768	197
25°	275	131
35°	99	69
45°	19	16
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426623

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1013.6
2.5°	997.4
5°	949.9
7.5°	900.0
10°	863.9
12.5°	824.8
15°	768.0
17.5°	616.9
20°	435.0
22.5°	312.3
25°	274.7
27.5°	244.0
30°	211.8
32.5°	158.1
35°	99.0
37.5°	67.5
40°	46.8
42.5°	30.7
45°	19.2
47.5°	10.7
50°	4.6
52.5°	2.3
55°	0.8
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)