

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: P1426637

Luminaire Tested: P3A13RHB2750DE010 E3HY1MW_5000K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13RHB2750DE010 E3HY1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 5000K CCT AND, 80CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

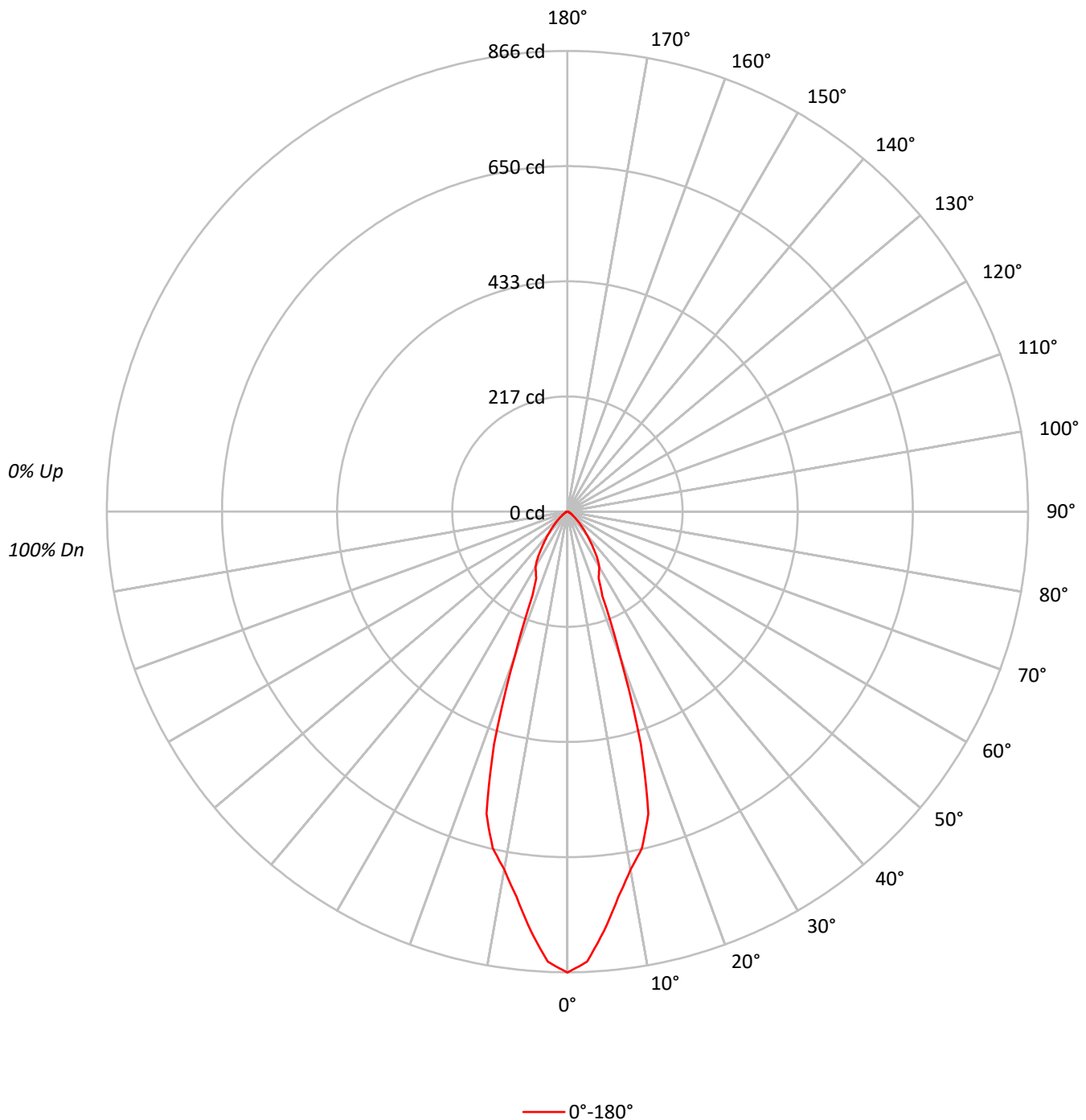
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 20.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1426637

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1426637

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	97	106	102	98	96	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68
10	76	68	62	59	75	67	62	59	66	62	59		66	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190007
5°	174070
10°	152101
15°	133440
20°	67533
25°	33607
30°	30384
35°	23102
40°	16230
45°	10947
50°	7027
55°	4702
60°	3245
65°	2542
70°	1603
75°	1356
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10947 cd/sqm

TEST NUMBER: P1426637

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	18.3
10°-20°	148.9	37.8
20°-30°	72.6	18.4
30°-40°	54.3	13.8
40°-50°	27.9	7.1
50°-60°	11.5	2.9
60°-70°	4.7	1.2
70°-80°	1.7	0.4
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
0°-30°	293.6	74.5
0°-40°	347.8	88.3
0°-60°	387.2	98.3
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	866	
5°	791	72
15°	588	149
25°	139	73
35°	86	54
45°	35	28
55°	12	12
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1426637

CATALOG NUMBER: P3A13RHB2750DE010 E3HY1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	866.5
2.5°	846.7
5°	790.8
7.5°	730.8
10°	683.1
12.5°	647.8
15°	587.8
17.5°	458.7
20°	289.4
22.5°	171.8
25°	138.9
27.5°	128.2
30°	120.0
32.5°	105.2
35°	86.3
37.5°	70.7
40°	56.7
42.5°	45.2
45°	35.3
47.5°	27.1
50°	20.6
52.5°	15.6
55°	12.3
57.5°	9.9
60°	7.4
62.5°	5.8
65°	4.9
67.5°	3.3
70°	2.5
72.5°	2.5
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)