

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: P1304870

Luminaire Tested: P3RT02R40B2750DE010 E3CBUS1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-90)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT02R40B2750DE010 E3CBUS1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

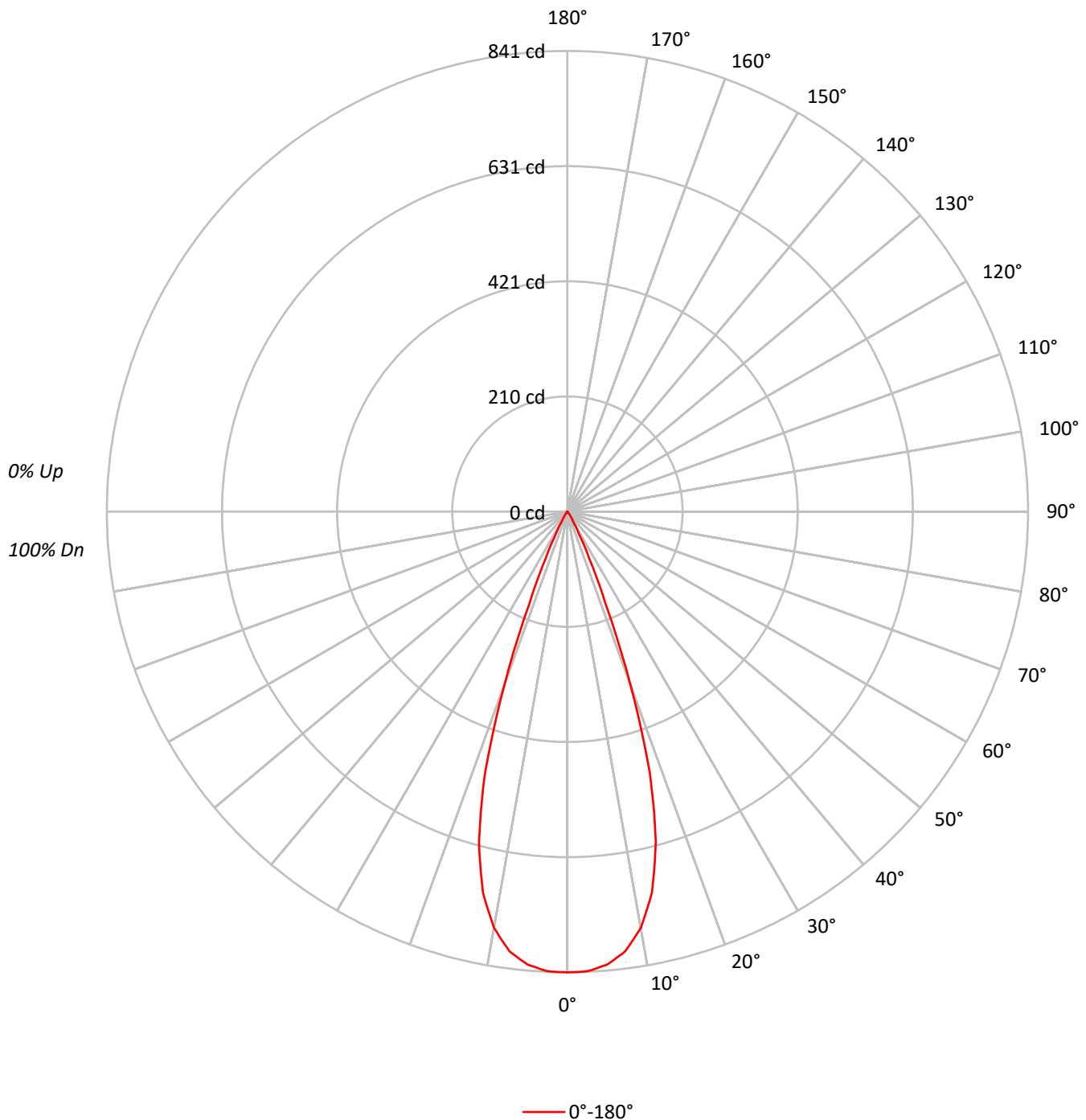
Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P1304870

CATALOG NUMBER: P3RT02R40B2750DE010 E3CBUS1MW_3500K

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92	90	88	87
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	91	87	84	96	90	86	84	89	86	83		88	85	83		87	84	82	81
7	95	88	84	81	94	87	83	80	86	83	80		85	82	80		84	81	79	78
8	92	85	81	78	91	85	80	78	84	80	77		83	79	77		82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75		80	77	75		80	77	74	73
10	87	80	76	73	86	79	75	73	79	75	73		78	75	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184459
5°	182720
10°	171807
15°	141567
20°	78383
25°	22743
30°	5621
35°	2008
40°	515
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

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

TEST NUMBER: P1304870

CATALOG NUMBER: P3RT02R40B2750DE010 E3CBUS1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	25.8
10°-20°	163.2	54.4
20°-30°	53.7	17.9
30°-40°	5.4	1.8
40°-50°	0.2	0.1
50°-60°	0.0	0.0
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°	294.4	98.1
0°-40°	299.8	99.9
0°-60°	300.0	100.0
0°-90°	300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	300.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	841	
5°	830	77
15°	624	163
25°	94	54
35°	8	5
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	841.2
2.5°	839.8
5°	830.1
7.5°	809.7
10°	771.6
12.5°	712.6
15°	623.6
17.5°	500.8
20°	335.9
22.5°	181.3
25°	94.0
27.5°	44.8
30°	22.2
32.5°	12.4
35°	7.5
37.5°	4.0
40°	1.8
42.5°	0.4
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
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)