

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: P1304991

Luminaire Tested: P3RT09R40B2750DE010 E3CBUS1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304991
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: P3RT09R40B2750DE010 E3CBUS1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

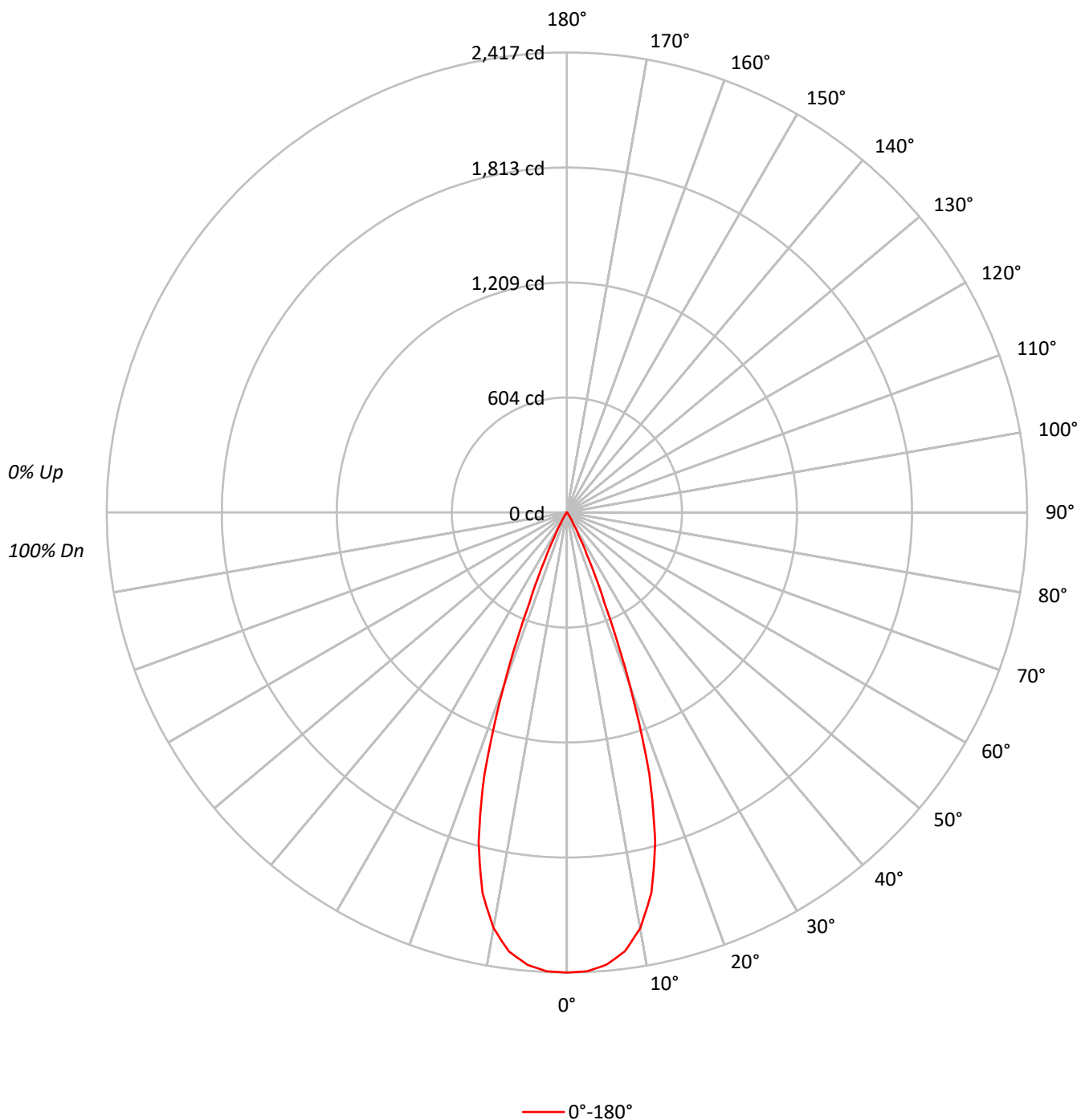
Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97	96	94
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	94	93	91
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	94	93	91
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	92	90	88
5	101	95	90	87	99	94	90	87	92	89	86	91	88	86	89	87	85	89	87	85
6	98	91	87	84	96	90	86	84	89	86	83	88	85	83	87	84	82	87	84	82
7	95	88	84	81	94	87	83	80	86	83	80	85	82	80	84	81	79	84	81	79
8	92	85	81	78	91	85	80	78	84	80	77	83	79	77	82	79	77	82	79	77
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	74	80	77	74
10	87	80	76	73	86	79	75	73	79	75	73	78	75	72	77	74	72	77	74	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529979
5°	525004
10°	493645
15°	406745
20°	225233
25°	65326
30°	16129
35°	5782
40°	1460
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	25.8
10°-20°	468.9	54.4
20°-30°	154.3	17.9
30°-40°	15.5	1.8
40°-50°	0.7	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°	845.8	98.1
0°-40°	861.3	99.9
0°-60°	862.0	100.0
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2417	
5°	2385	222
15°	1792	469
25°	270	154
35°	22	16
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2416.9
2.5°	2413.1
5°	2385.1
7.5°	2326.5
10°	2217.0
12.5°	2047.6
15°	1791.7
17.5°	1438.9
20°	965.2
22.5°	520.8
25°	270.0
27.5°	128.6
30°	63.7
32.5°	35.7
35°	21.6
37.5°	11.5
40°	5.1
42.5°	1.3
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)