

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: P1304972

Luminaire Tested: P3RT09R20B2750DE010 E3CBUS1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-86)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT09R20B2750DE010 E3CBUS1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

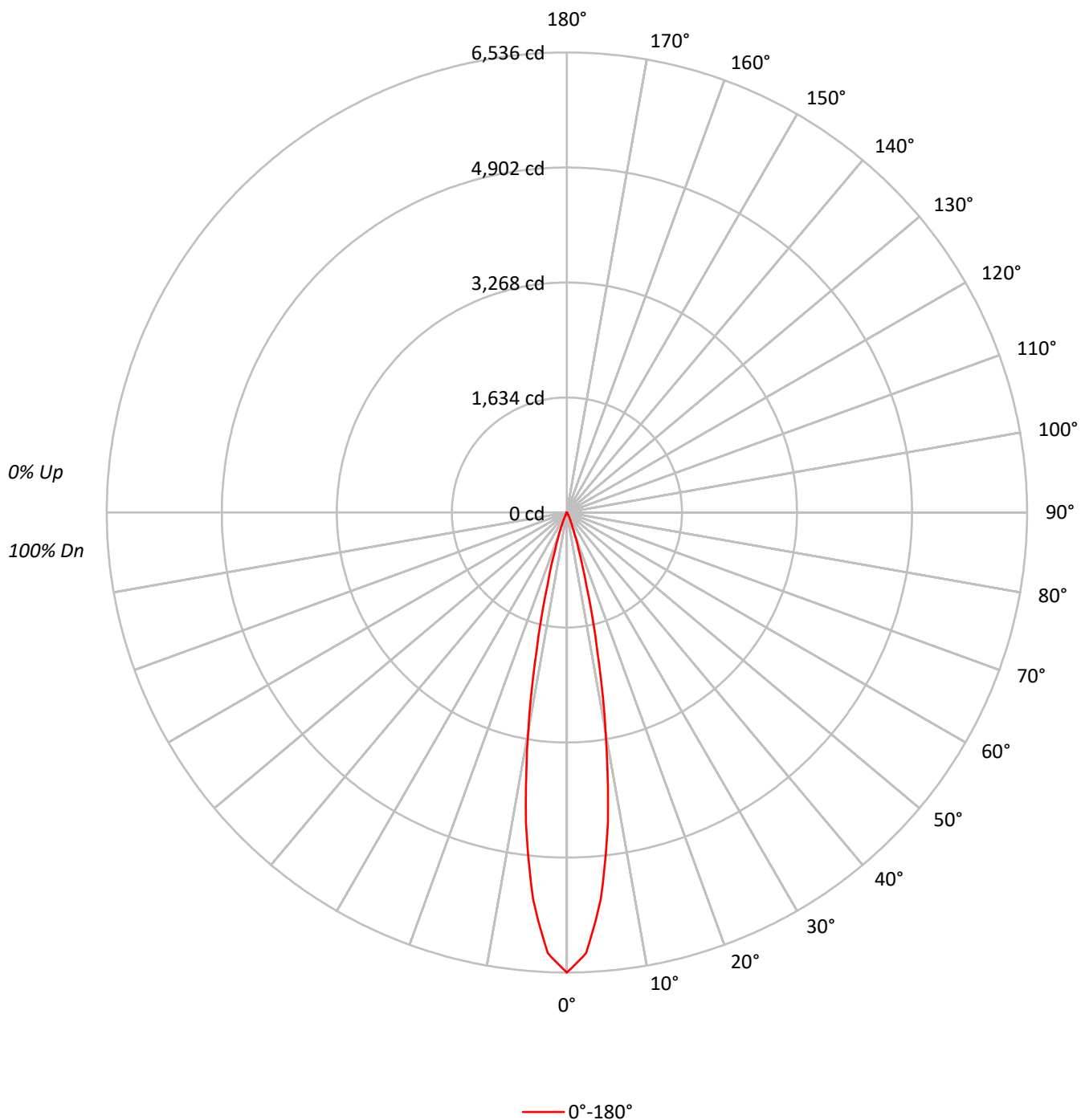
Lumens per Lamp: N/A
Luminaire Lumens: 846.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1304972

CATALOG NUMBER: P3RT09R20B2750DE010 E3CBUS1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1304972

CATALOG NUMBER: P3RT09R20B2750DE010 E3CBUS1MW_5000K

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100		98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97		96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95		94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93		92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91		91
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93	91	90		89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92	90	88		87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91	88	87		86
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85		84
10	95	90	87	85	95	90	86	84	89	86	84		88	86	84		88	86	84		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1433131
5°	1214261
10°	706266
15°	242499
20°	69866
25°	21388
30°	5849
35°	3266
40°	1546
45°	434
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: 434 cd/sqm

TEST NUMBER: P1304972

CATALOG NUMBER: P3RT09R20B2750DE010 E3CBUS1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.6	53.4
10°-20°	336.1	39.7
20°-30°	49.2	5.8
30°-40°	7.8	0.9
40°-50°	1.3	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°	836.9	98.9
0°-40°	844.7	99.9
0°-60°	846.0	100.0
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6536	
5°	5516	452
15°	1068	336
25°	88	49
35°	12	8
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1304972

CATALOG NUMBER: P3RT09R20B2750DE010 E3CBUS1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	6535.6
2.5°	6266.2
5°	5516.4
7.5°	4451.0
10°	3171.9
12.5°	1969.0
15°	1068.2
17.5°	552.5
20°	299.4
22.5°	164.6
25°	88.4
27.5°	42.2
30°	23.1
32.5°	16.3
35°	12.2
37.5°	8.2
40°	5.4
42.5°	2.7
45°	1.4
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)