

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: P1304852

Luminaire Tested: P3DUS02R20B2750DE010 E3CBUS1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304852
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: P3DUS02R20B2750DE010 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

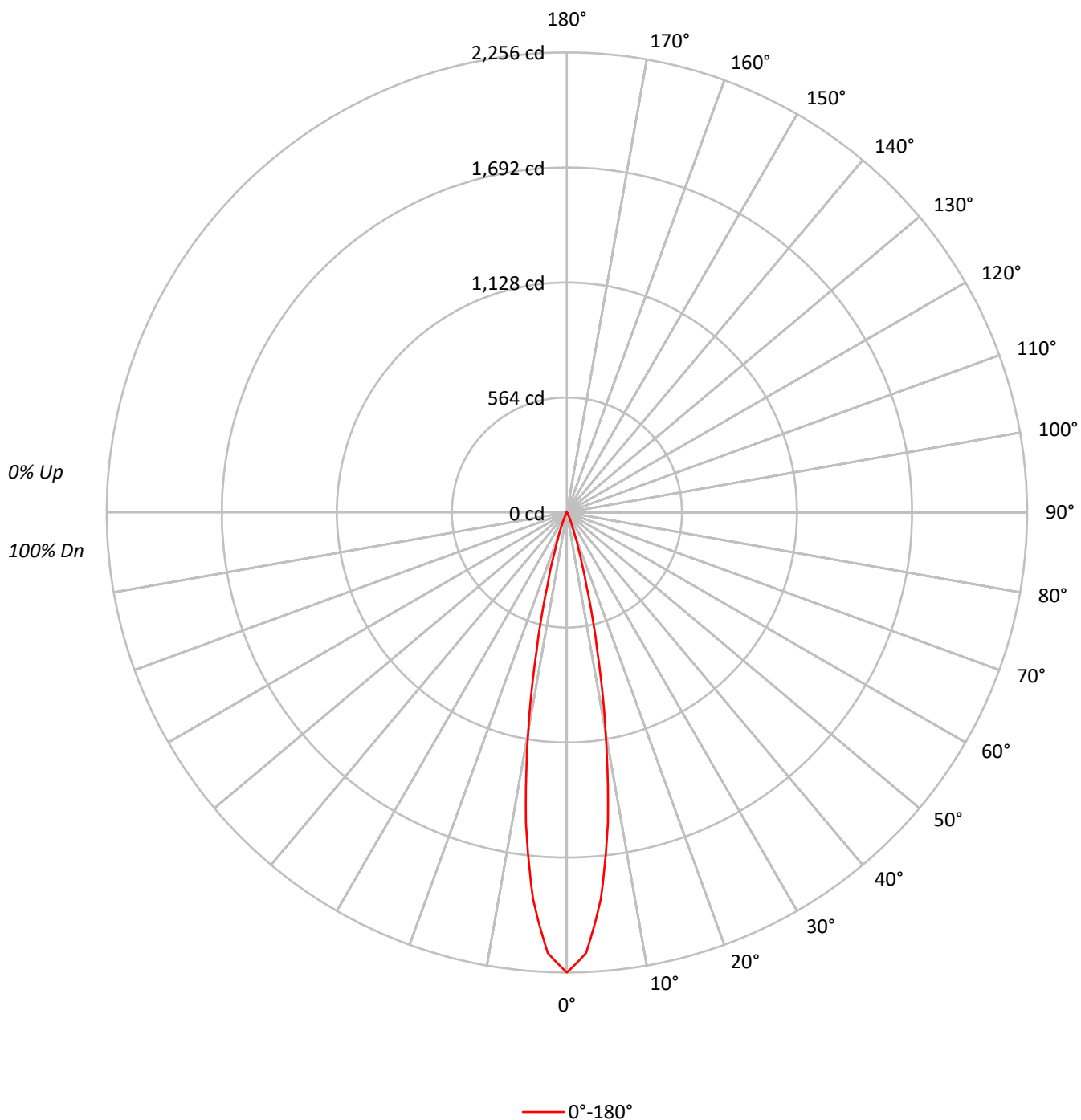
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1304852

CATALOG NUMBER: P3DUS02R20B2750DE010 E3CBUS1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1304852

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	494653
5°	419105
10°	243772
15°	83701
20°	24105
25°	7379
30°	2026
35°	1124
40°	544
45°	155
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: 155 cd/sqm

TEST NUMBER: P1304852

CATALOG NUMBER: P3DUS02R20B2750DE010 E3CBUS1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	53.4
10°-20°	116.0	39.7
20°-30°	17.0	5.8
30°-40°	2.7	0.9
40°-50°	0.4	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°	288.9	98.9
0°-40°	291.6	99.9
0°-60°	292.0	100.0
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2256	
5°	1904	156
15°	369	116
25°	30	17
35°	4	3
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°	2255.8
2.5°	2162.8
5°	1904.0
7.5°	1536.3
10°	1094.8
12.5°	679.6
15°	368.7
17.5°	190.7
20°	103.3
22.5°	56.8
25°	30.5
27.5°	14.6
30°	8.0
32.5°	5.6
35°	4.2
37.5°	2.8
40°	1.9
42.5°	0.9
45°	0.5
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)