

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: P1303753

Luminaire Tested: P3DUS20R159040D010 E3CBUS1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1303753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-85)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3DUS20R159040D010 E3CBUS1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

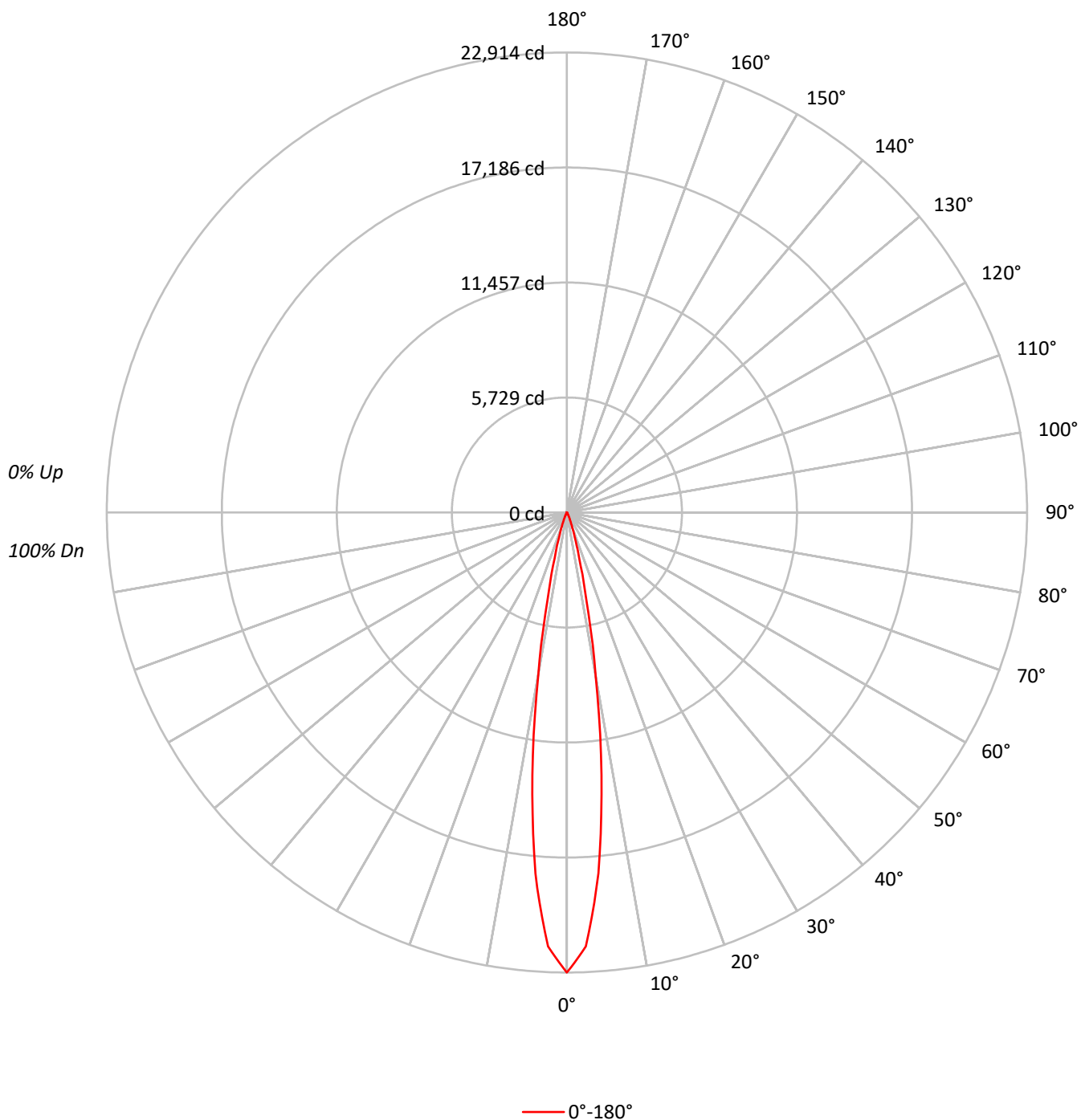
Lumens per Lamp: N/A
Luminaire Lumens: 2351.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1303753

CATALOG NUMBER: P3DUS20R159040D010 E3CBUS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1303753

CATALOG NUMBER: P3DUS20R159040D010 E3CBUS1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5024619
5°	3971616
10°	1831674
15°	530491
20°	170418
25°	63996
30°	23978
35°	7388
40°	2261
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: 52.5°

Luminance: 1405 cd/sqm

TEST NUMBER: P1303753

CATALOG NUMBER: P3DUS20R159040D010 E3CBUS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1401.1	59.6
10°-20°	788.5	33.5
20°-30°	138.3	5.9
30°-40°	20.8	0.9
40°-50°	1.4	0.1
50°-60°	0.8	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°	2327.9	99.0
0°-40°	2348.7	99.9
0°-60°	2351.0	100.0
0°-90°	2351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2351.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22914	
5°	18043	###
15°	2337	788
25°	264	138
35°	28	21
45°	0	1
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1303753

CATALOG NUMBER: P3DUS20R159040D010 E3CBUS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	22914.1
2.5°	21639.1
5°	18043.1
7.5°	13176.1
10°	8226.2
12.5°	4448.6
15°	2336.8
17.5°	1294.7
20°	730.3
22.5°	426.3
25°	264.5
27.5°	161.8
30°	94.7
32.5°	43.4
35°	27.6
37.5°	15.8
40°	7.9
42.5°	3.9
45°	0.0
47.5°	0.0
50°	0.0
52.5°	3.9
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)