

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: P1265877

Luminaire Tested: P3A20R459730D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459730D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

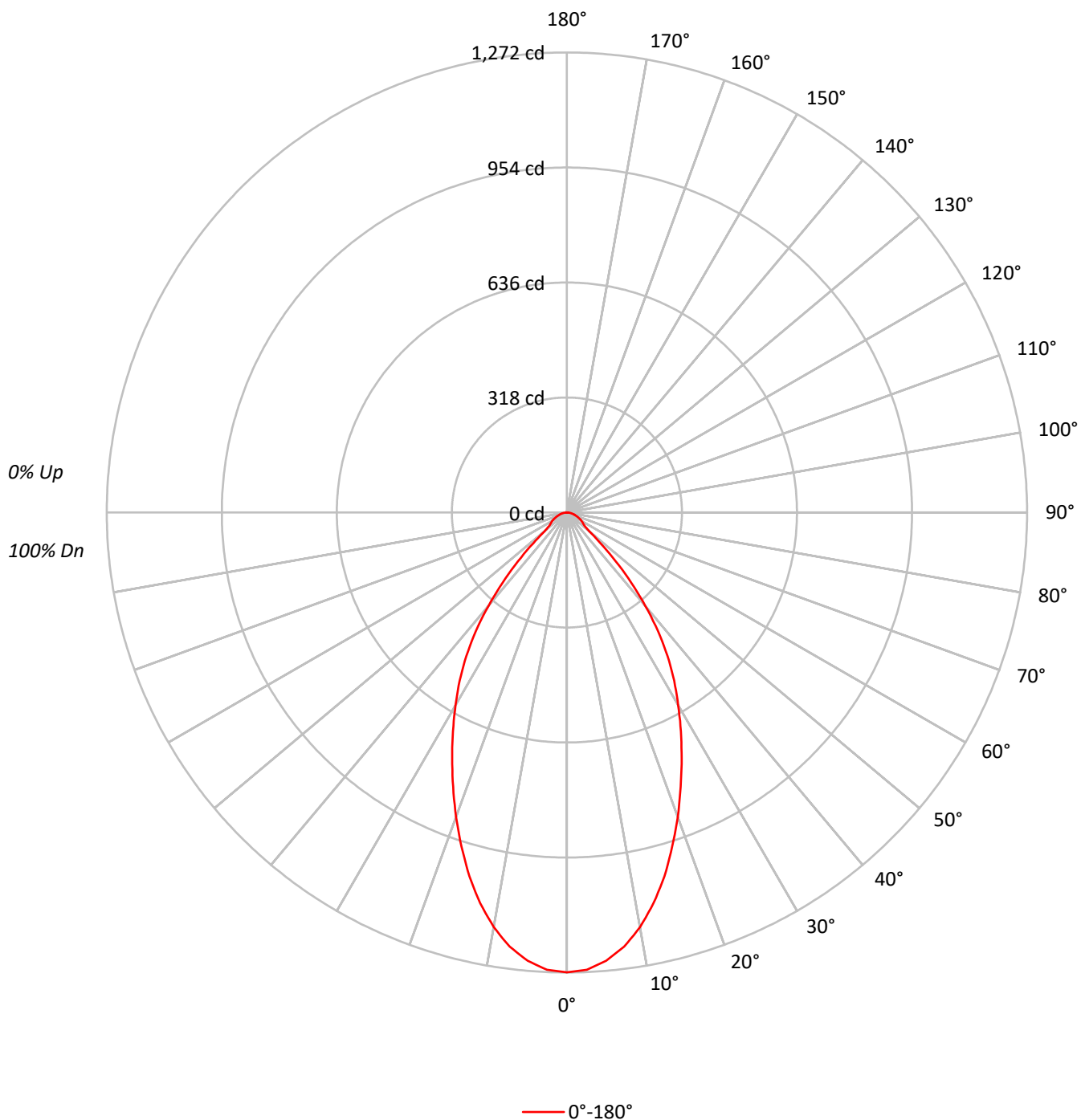
Lumens per Lamp: N/A
Luminaire Lumens: 1315.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1265877

CATALOG NUMBER: P3A20R459730D010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1265877

CATALOG NUMBER: P3A20R459730D010 E3DLD1MW

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	278815
5°	273871
10°	259158
15°	236346
20°	208992
25°	181510
30°	155796
35°	129804
40°	96724
45°	59200
50°	27394
55°	21447
60°	20612
65°	18887
70°	17503
75°	16691
80°	15280
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59200 cd/sqm

TEST NUMBER: P1265877

CATALOG NUMBER: P3A20R459730D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	8.8
10°-20°	289.9	22.0
20°-30°	344.4	26.2
30°-40°	299.2	22.8
40°-50°	150.1	11.4
50°-60°	52.1	4.0
60°-70°	36.5	2.8
70°-80°	20.4	1.6
80°-90°	6.2	0.5
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°	750.5	57.1
0°-40°	1049.7	79.8
0°-60°	1251.9	95.2
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1272	
5°	1244	116
15°	1041	290
25°	750	344
35°	485	299
45°	191	150
55°	56	52
65°	36	37
75°	20	20
85°	4	6
90°	0	

TEST NUMBER: P1265877

CATALOG NUMBER: P3A20R459730D010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1271.5
2.5°	1265.4
5°	1244.2
7.5°	1210.9
10°	1163.9
12.5°	1106.3
15°	1041.1
17.5°	968.4
20°	895.6
22.5°	821.4
25°	750.2
27.5°	682.0
30°	615.3
32.5°	551.6
35°	484.9
37.5°	413.7
40°	337.9
42.5°	263.7
45°	190.9
47.5°	125.8
50°	80.3
52.5°	62.1
55°	56.1
57.5°	51.5
60°	47.0
62.5°	42.4
65°	36.4
67.5°	31.8
70°	27.3
72.5°	22.7
75°	19.7
77.5°	15.2
80°	12.1
82.5°	9.1
85°	4.5
87.5°	3.0
90°	0.0

(END OF REPORT)