

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: P1270776

Luminaire Tested: P3A20R709740D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709740D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

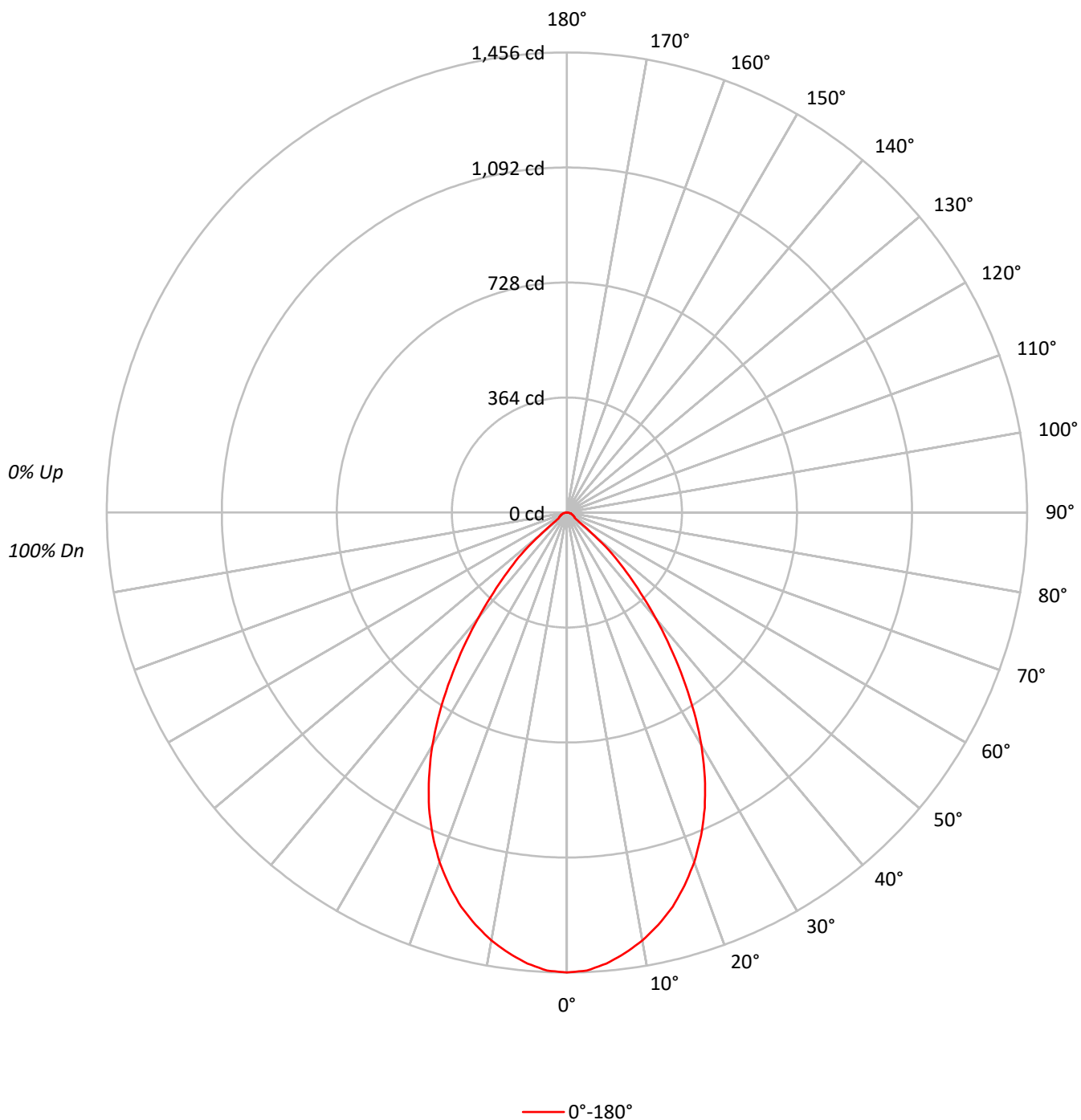
Lumens per Lamp: N/A
Luminaire Lumens: 1649.0 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270776

CATALOG NUMBER: P3A20R709740D010 E3DL1WMH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319229
5°	315408
10°	306296
15°	293327
20°	274751
25°	249619
30°	215603
35°	171832
40°	125149
45°	82272
50°	38549
55°	11890
60°	11490
65°	11052
70°	10515
75°	11099
80°	10355
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82272 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	8.2
10°-20°	361.6	21.9
20°-30°	470.0	28.5
30°-40°	398.8	24.2
40°-50°	205.6	12.5
50°-60°	39.6	2.4
60°-70°	21.5	1.3
70°-80°	13.2	0.8
80°-90°	3.8	0.2
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°	966.5	58.6
0°-40°	1365.3	82.8
0°-60°	1610.6	97.7
0°-90°	1649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1456	
5°	1433	135
15°	1292	362
25°	1032	470
35°	642	399
45°	265	206
55°	31	40
65°	21	22
75°	13	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1455.8
2.5°	1450.9
5°	1432.9
7.5°	1406.7
10°	1375.6
12.5°	1336.3
15°	1292.1
17.5°	1238.0
20°	1177.4
22.5°	1108.6
25°	1031.7
27.5°	944.9
30°	851.5
32.5°	748.4
35°	641.9
37.5°	537.1
40°	437.2
42.5°	343.9
45°	265.3
47.5°	194.9
50°	113.0
52.5°	49.1
55°	31.1
57.5°	29.5
60°	26.2
62.5°	24.6
65°	21.3
67.5°	19.7
70°	16.4
72.5°	14.7
75°	13.1
77.5°	9.8
80°	8.2
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)