

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: P1270780

Luminaire Tested: P3A20R709740D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709740D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

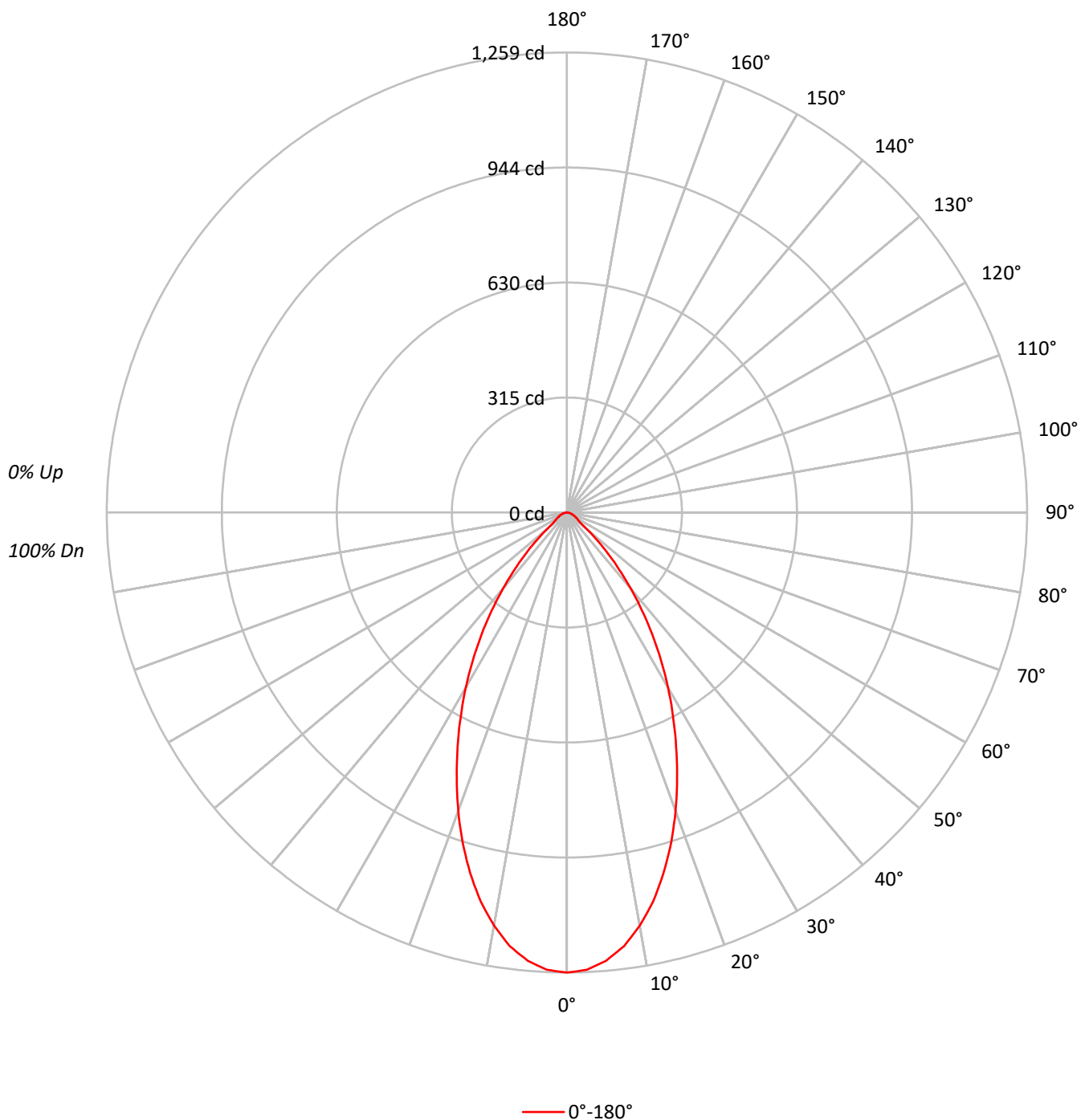
Lumens per Lamp: N/A
Luminaire Lumens: 1177.0 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270780

CATALOG NUMBER: P3A20R709740D010 E3DLP1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77		
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61		
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49		
10	69	58	52	48	67	58	52	48	57	51	48	56	51	48	55	51	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276074
5°	271010
10°	255551
15°	231920
20°	202878
25°	171131
30°	140123
35°	108683
40°	77803
45°	49245
50°	24562
55°	15025
60°	12938
65°	11882
70°	10515
75°	9743
80°	8208
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	9.8
10°-20°	284.3	24.2
20°-30°	323.8	27.5
30°-40°	253.2	21.5
40°-50°	124.4	10.6
50°-60°	38.3	3.3
60°-70°	22.7	1.9
70°-80°	12.1	1.0
80°-90°	3.6	0.3
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°	722.9	61.4
0°-40°	976.1	82.9
0°-60°	1138.7	96.7
0°-90°	1177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1259	
5°	1231	115
15°	1022	284
25°	707	324
35°	406	253
45°	159	124
55°	39	38
65°	23	23
75°	12	12
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1259.0
2.5°	1252.5
5°	1231.2
7.5°	1196.8
10°	1147.7
12.5°	1090.4
15°	1021.6
17.5°	947.9
20°	869.4
22.5°	787.5
25°	707.3
27.5°	628.7
30°	553.4
32.5°	478.1
35°	406.0
37.5°	337.3
40°	271.8
42.5°	211.2
45°	158.8
47.5°	111.3
50°	72.0
52.5°	47.5
55°	39.3
57.5°	34.4
60°	29.5
62.5°	26.2
65°	22.9
67.5°	19.6
70°	16.4
72.5°	13.1
75°	11.5
77.5°	9.8
80°	6.5
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)