

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: P1270458

Luminaire Tested: P3A20R159740D010 E3DLD1H

Issue Date: 1/30/2026

**Test Information**

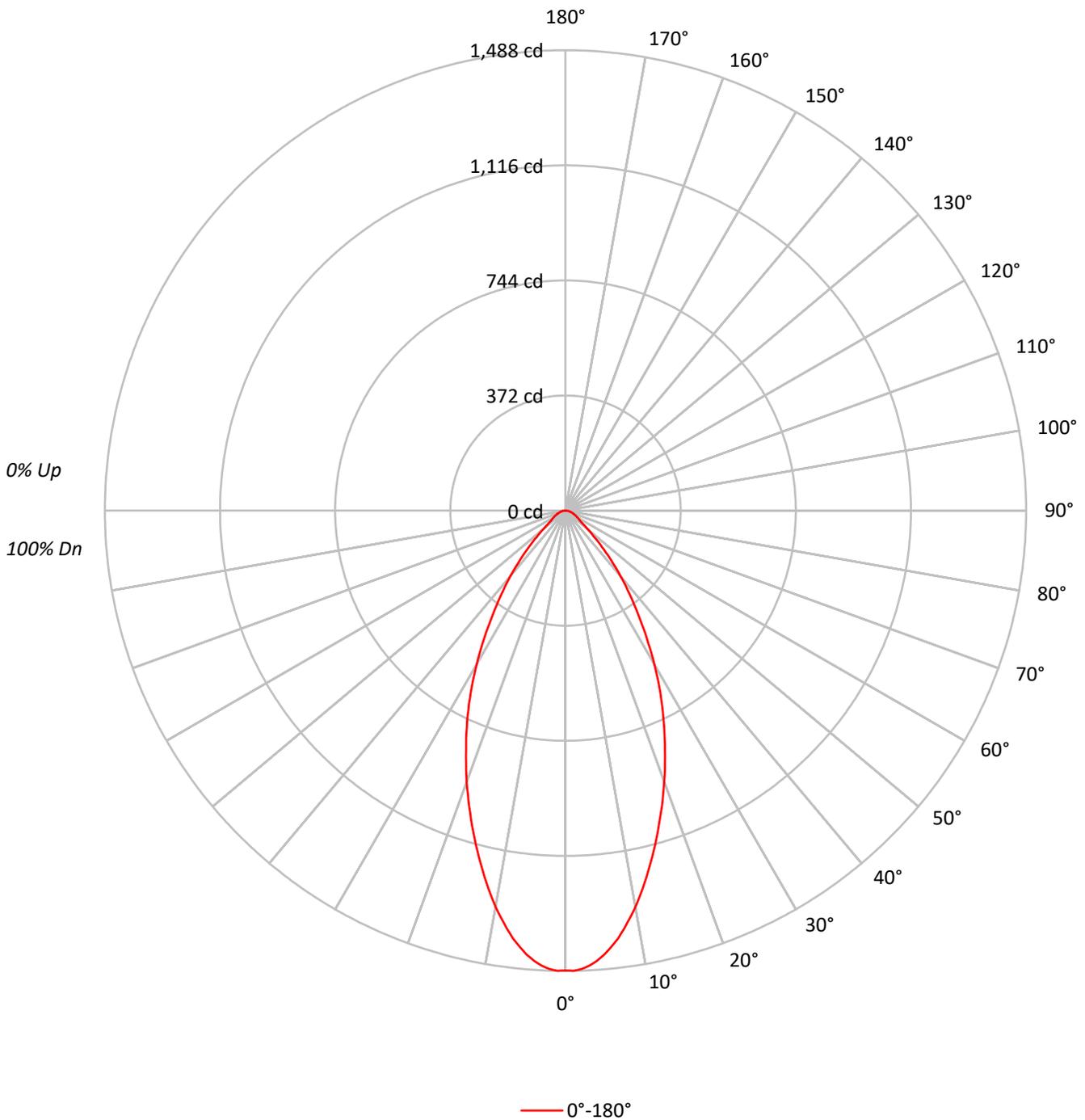
Test Method: LM-79-2019  
Report Number: P1270458  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R159740D010 E3DLD1H  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1292.0 lumens  
Efficiency: N/A  
Efficacy: 44.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82  
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

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### 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			0
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	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56		
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	325895
5°	317036
10°	289730
15°	253781
20°	217719
25°	181777
30°	145465
35°	109111
40°	79177
45°	51757
50°	32374
55°	21906
60°	19384
65°	17849
70°	16798
75°	15250
80°	14522
85°	12328

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 51757 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	10.3
10°-20°	311.5	24.1
20°-30°	343.2	26.6
30°-40°	257.0	19.9
40°-50°	133.2	10.3
50°-60°	55.2	4.3
60°-70°	34.2	2.6
70°-80°	19.2	1.5
80°-90°	5.6	0.4
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°	787.6	61.0
0°-40°	1044.6	80.9
0°-60°	1233.0	95.4
0°-90°	1292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1486	
5°	1440	133
15°	1118	311
25°	751	343
35°	408	257
45°	167	133
55°	57	55
65°	34	34
75°	18	19
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1486.2
1°	1487.8
2°	1482.9
3°	1473.1
4°	1458.4
5°	1440.3
6°	1417.4
7°	1392.9
8°	1363.4
9°	1332.3
10°	1301.2
12.5°	1211.2
15°	1117.9
17.5°	1024.6
20°	933.0
22.5°	839.7
25°	751.3
27.5°	662.9
30°	574.5
32.5°	487.8
35°	407.6
37.5°	338.8
40°	276.6
42.5°	219.3
45°	166.9
47.5°	126.0
50°	94.9
52.5°	70.4
55°	57.3
57.5°	50.7
60°	44.2
62.5°	39.3
65°	34.4
67.5°	29.5
70°	26.2
72.5°	21.3
75°	18.0
77.5°	14.7
80°	11.5
82.5°	8.2
85°	4.9
87.5°	1.6
90°	0.0

(END OF REPORT)