

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: P1304425

Luminaire Tested: P3DUS20R559735D010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

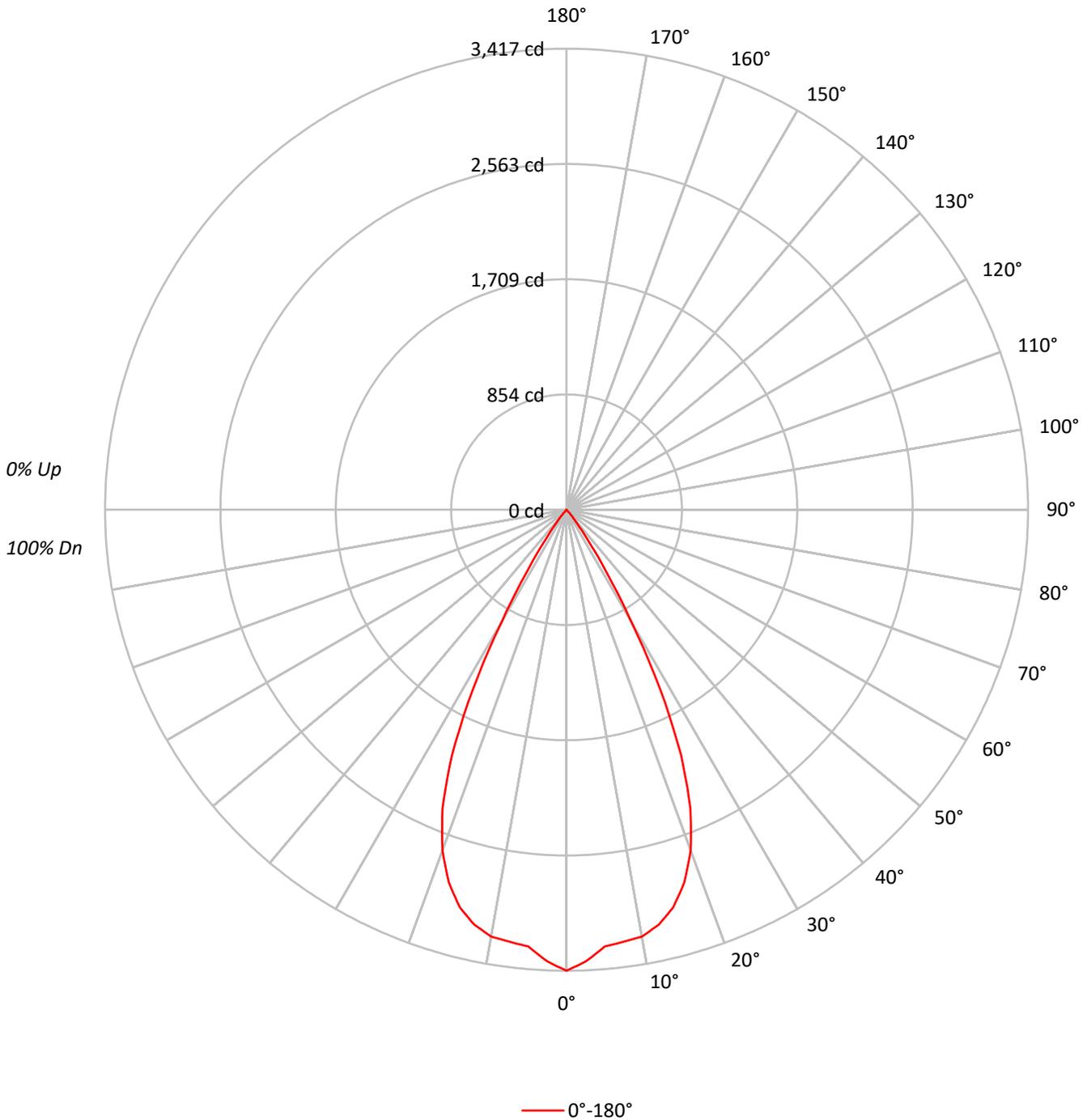
Test Method: LM-79-2019  
Report Number: P1304425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-92)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3DUS20R559735D010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2255.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	98	98	97	95
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	93	91	90
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90	91	88	87	85
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85	87	84	82	81
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	83	80	78	76
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73	80	76	74	73
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	73	69	67	65
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	64	62	70	66	64	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59	67	63	61	59

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

	0°
0°	749238
5°	715252
10°	715150
15°	692671
20°	626694
25°	485278
30°	243101
35°	73160
40°	15658
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: 45°  
 Luminance: 0 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.3	13.8
10°-20°	846.3	37.5
20°-30°	871.3	38.6
30°-40°	219.6	9.7
40°-50°	7.5	0.3
50°-60°	0.0	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°	2027.9	89.9
0°-40°	2247.5	99.7
0°-60°	2255.0	100.0
0°-90°	2255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2255.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3417	
5°	3249	310
15°	3051	846
25°	2006	871
35°	273	220
45°	0	7
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3416.8
2.5°	3348.5
5°	3249.4
7.5°	3228.9
10°	3211.8
12.5°	3150.3
15°	3051.2
17.5°	2897.4
20°	2685.6
22.5°	2398.6
25°	2005.7
27.5°	1506.8
30°	960.1
32.5°	556.9
35°	273.3
37.5°	129.8
40°	54.7
42.5°	13.7
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
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)