

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: PORTFOLIO

Report Number: P746439

Luminaire Tested: LD4D30D010-EU4DR6020359024-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR6020359024-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2122.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 29  
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



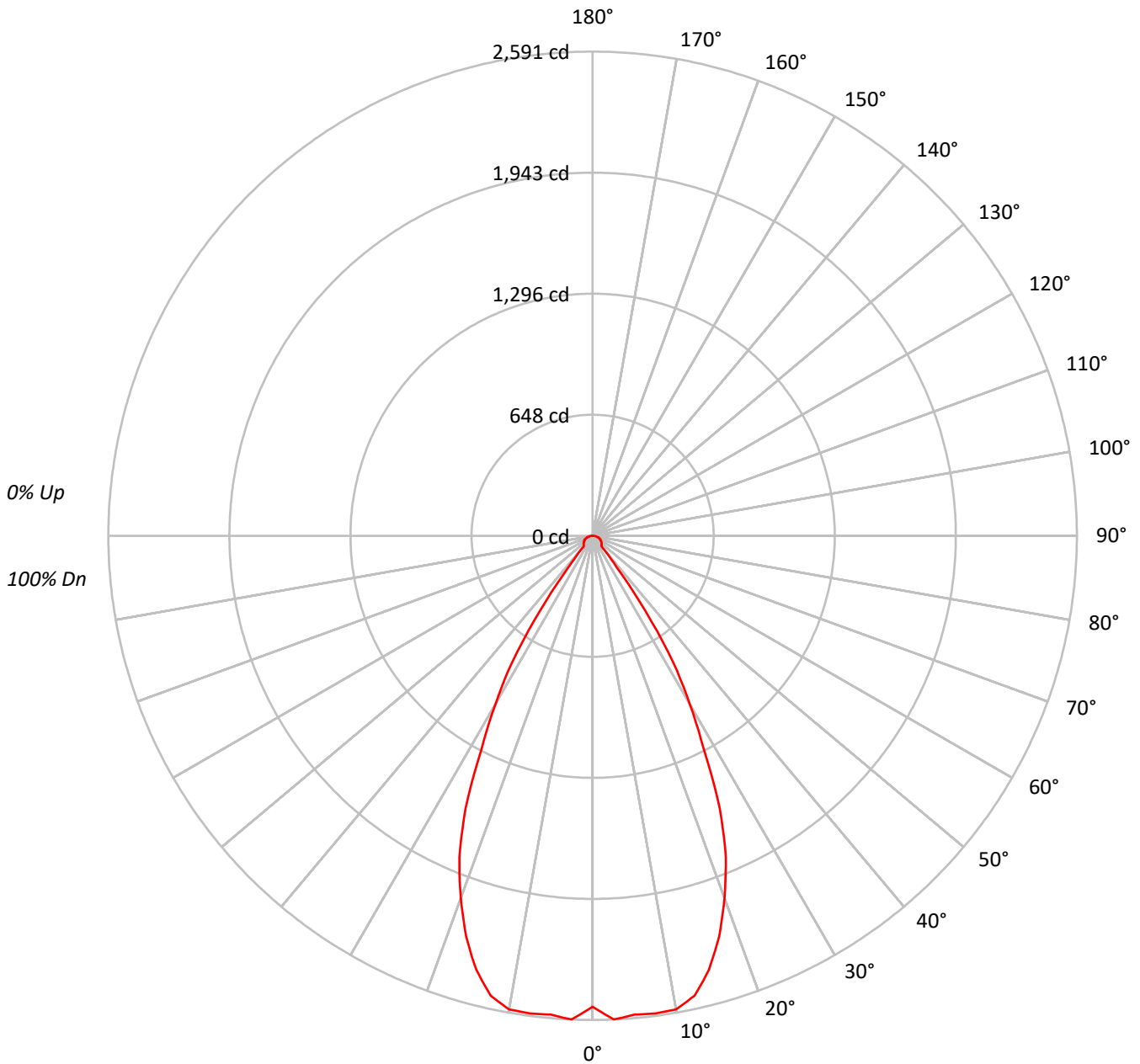
Downlight



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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	275348
5°	282125
10°	285531
15°	272008
20°	239824
25°	193974
30°	131210
35°	65758
40°	10669
45°	10445
50°	10641
55°	10801
60°	11101
65°	11350
70°	11628
75°	11778
80°	11326
85°	9528

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 11778 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.8	11.6
10°-20°	665.2	31.3
20°-30°	715.7	33.7
30°-40°	311.1	14.7
40°-50°	52.3	2.5
50°-60°	50.8	2.4
60°-70°	43.4	2.0
70°-80°	29.1	1.4
80°-90°	8.7	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°	1626.6	76.7
0°-40°	1937.7	91.3
0°-60°	2040.8	96.2
0°-90°	2122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2520	
5°	2572	246
15°	2405	665
25°	1609	716
35°	493	311
45°	68	52
55°	57	51
65°	44	43
75°	28	29
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2520.1
2.5°	2590.9
5°	2572.3
7.5°	2578.2
10°	2573.6
12.5°	2520.5
15°	2404.7
17.5°	2249.2
20°	2062.6
22.5°	1862.9
25°	1609.0
27.5°	1287.0
30°	1040.0
32.5°	801.6
35°	493.0
37.5°	210.9
40°	74.8
42.5°	68.9
45°	67.6
47.5°	65.3
50°	62.6
52.5°	59.7
55°	56.7
57.5°	53.8
60°	50.8
62.5°	47.6
65°	43.9
67.5°	40.3
70°	36.4
72.5°	32.1
75°	27.9
77.5°	23.0
80°	18.0
82.5°	12.8
85°	7.6
87.5°	2.6
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)