

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: P739750

Luminaire Tested: LD4D02D010-EU4DR700210IC9050-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D02D010-EU4DR700210IC9050-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 294.5 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
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



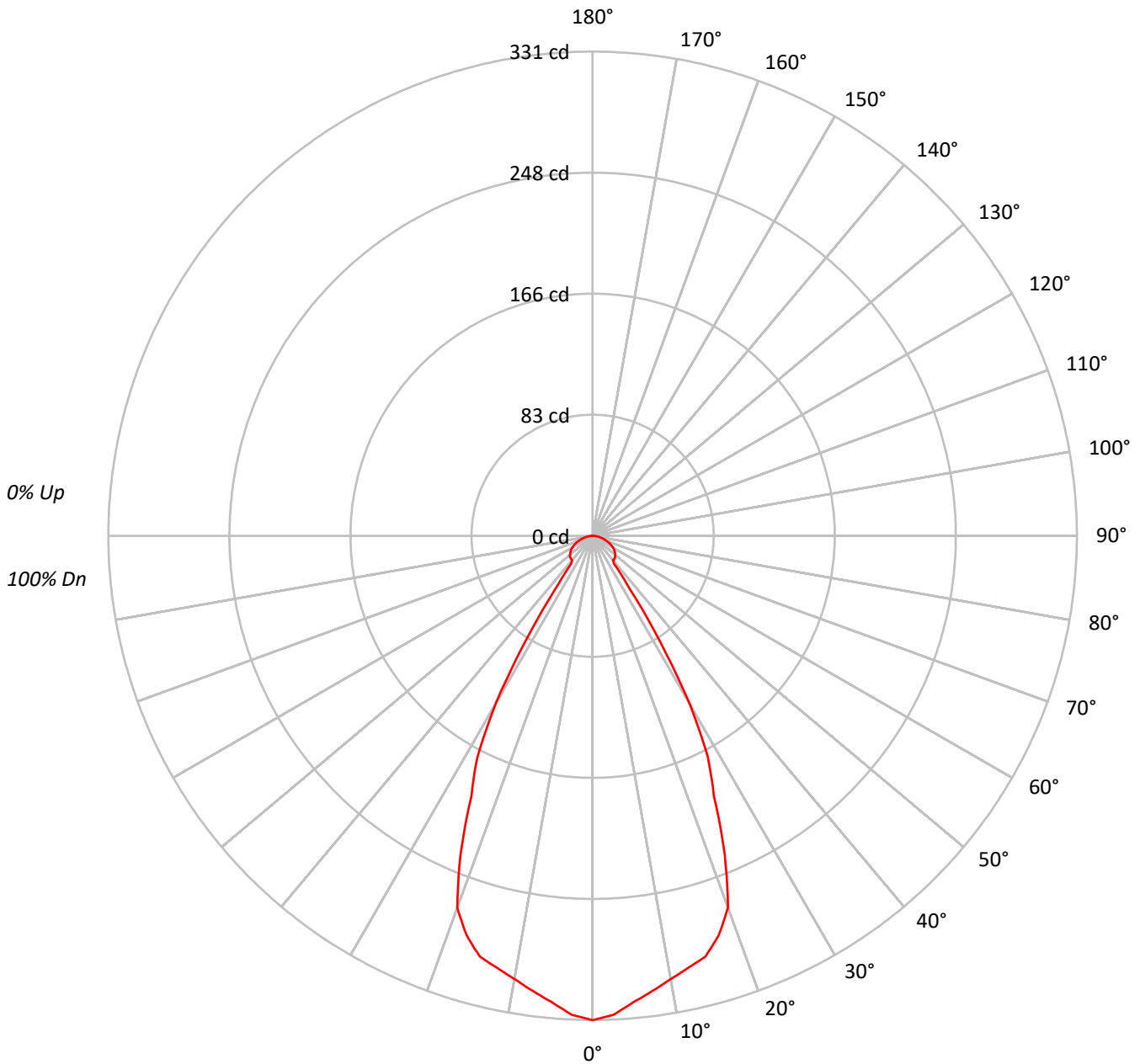
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91						91													
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83						83													
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76						76													
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70						70													
5	89	80	74	69	88	79	73	69	77	72	68	75	71	67	74	70	67	65						65													
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61						61													
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57						57													
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53						53													
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50						50													
10	70	59	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48						48													

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

	0°
0°	36187
5°	35108
10°	34138
15°	33686
20°	31452
25°	23629
30°	16704
35°	5909
40°	3109
45°	3307
50°	3434
55°	3486
60°	3518
65°	3438
70°	3258
75°	2997
80°	2643
85°	2131

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 3518 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.2	10.3
10°-20°	82.8	28.1
20°-30°	91.2	31.0
30°-40°	34.8	11.8
40°-50°	16.5	5.6
50°-60°	16.3	5.6
60°-70°	13.1	4.4
70°-80°	7.5	2.6
80°-90°	2.0	0.7
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°	204.2	69.3
0°-40°	239.1	81.2
0°-60°	271.9	92.3
0°-90°	294.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	331	
5°	320	30
15°	298	83
25°	196	91
35°	44	35
45°	21	16
55°	18	16
65°	13	13
75°	7	8
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	331.2
2.5°	327.7
5°	320.1
7.5°	313.8
10°	307.7
12.5°	302.5
15°	297.8
17.5°	286.5
20°	270.5
22.5°	236.0
25°	196.0
27.5°	170.6
30°	132.4
32.5°	85.5
35°	44.3
37.5°	23.9
40°	21.8
42.5°	21.7
45°	21.4
47.5°	21.0
50°	20.2
52.5°	19.3
55°	18.3
57.5°	17.3
60°	16.1
62.5°	14.7
65°	13.3
67.5°	11.7
70°	10.2
72.5°	8.6
75°	7.1
77.5°	5.6
80°	4.2
82.5°	3.0
85°	1.7
87.5°	0.7
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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Scaled Data Report



(END OF REPORT)