

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



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: P739671

Luminaire Tested: LD4D02D010-EU4DR650210IC9050-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739671  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D02D010-EU4DR650210IC9050-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 343.8 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
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



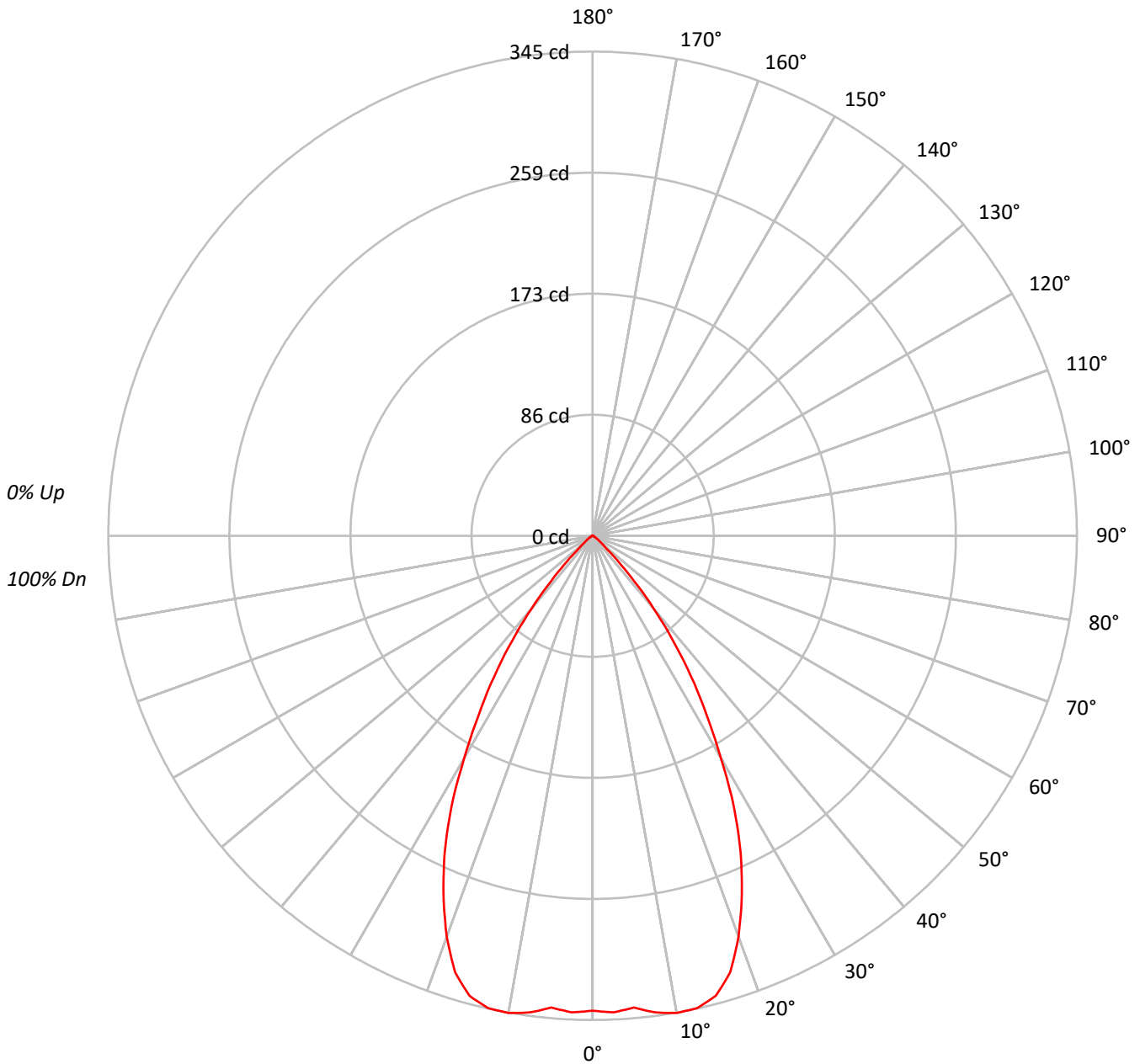
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

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

	0°
0°	36974
5°	37016
10°	38310
15°	38380
20°	35335
25°	30103
30°	23050
35°	16286
40°	9613
45°	3909
50°	1411
55°	781
60°	459
65°	259
70°	256
75°	211
80°	189
85°	251

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3909 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.6	9.5
10°-20°	94.0	27.3
20°-30°	112.8	32.8
30°-40°	75.8	22.0
40°-50°	22.7	6.6
50°-60°	4.0	1.2
60°-70°	1.2	0.3
70°-80°	0.6	0.2
80°-90°	0.2	0.1
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°	239.4	69.6
0°-40°	315.2	91.7
0°-60°	341.9	99.4
0°-90°	343.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	343.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	338	
5°	338	33
15°	339	94
25°	250	113
35°	122	76
45°	25	23
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	338.4
2.5°	339.9
5°	337.5
7.5°	342.6
10°	345.3
12.5°	344.7
15°	339.3
17.5°	326.1
20°	303.9
22.5°	277.7
25°	249.7
27.5°	218.1
30°	182.7
32.5°	150.6
35°	122.1
37.5°	93.9
40°	67.4
42.5°	44.0
45°	25.3
47.5°	13.3
50°	8.3
52.5°	5.8
55°	4.1
57.5°	3.0
60°	2.1
62.5°	1.4
65°	1.0
67.5°	0.9
70°	0.8
72.5°	0.6
75°	0.5
77.5°	0.5
80°	0.3
82.5°	0.2
85°	0.2
87.5°	0.1
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)