

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: P742751

Luminaire Tested: LD4D10D010-EU4DR700210IC9030-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P742751  
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: LD4D10D010-EU4DR700210IC9030-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1008.7 lumens  
Efficiency: N/A  
Efficacy: 86.2 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): 11.7  
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

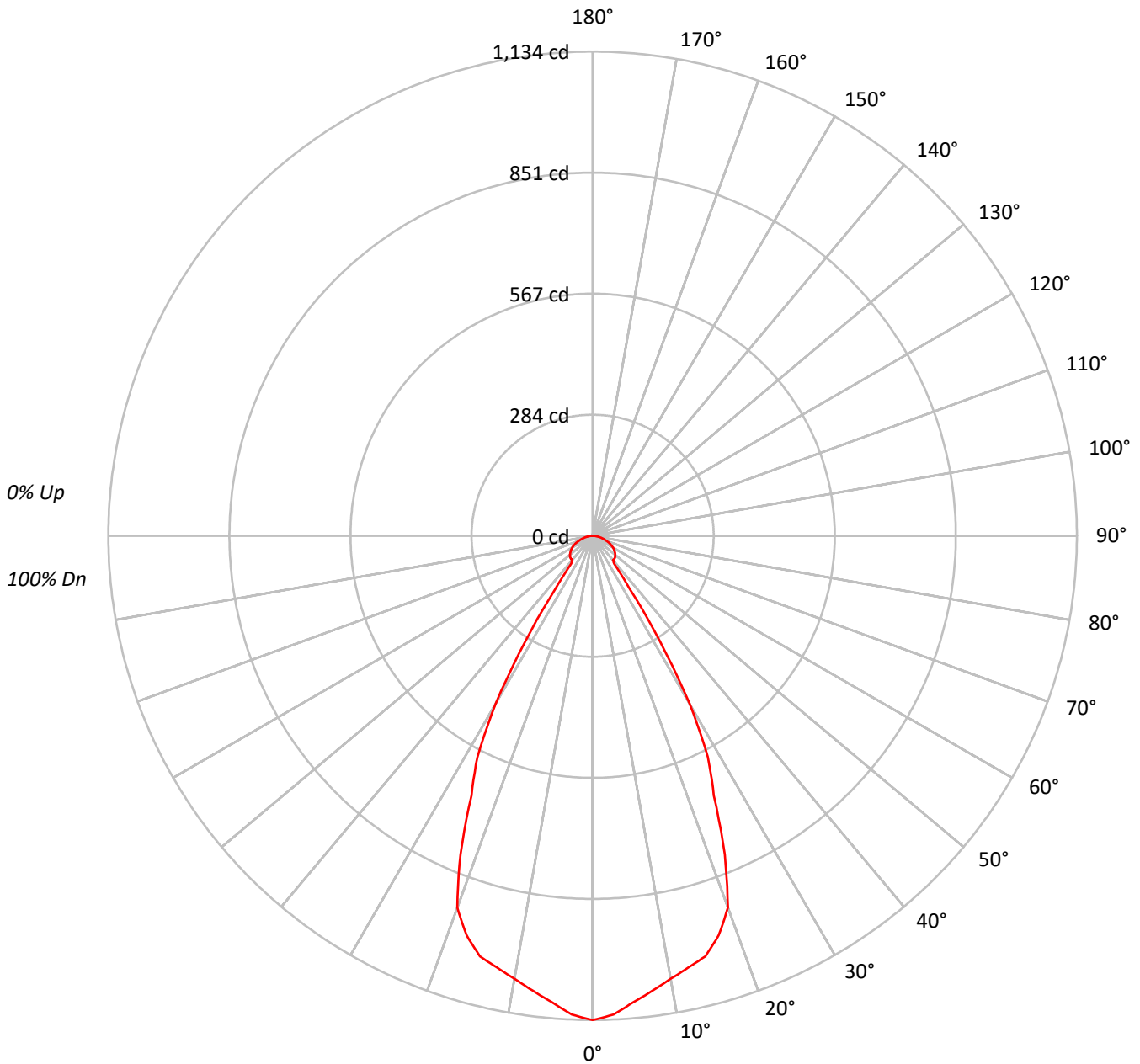


Downlight



TEST NUMBER: P742751  
CATALOG NUMBER: LD4D10D010-EU4DR700210IC9030-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P742751

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9030-4LBDP1H

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

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

	0°
0°	123924
5°	120240
10°	116882
15°	115343
20°	107715
25°	80917
30°	57203
35°	20261
40°	10654
45°	11357
50°	11763
55°	11982
60°	12041
65°	11789
70°	11117
75°	10300
80°	9186
85°	7396

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 60°  
 Luminance: 12041 cd/sqm



TEST NUMBER: P742751

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9030-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.4	10.3
10°-20°	283.6	28.1
20°-30°	312.4	31.0
30°-40°	119.3	11.8
40°-50°	56.4	5.6
50°-60°	56.0	5.6
60°-70°	44.8	4.4
70°-80°	25.8	2.6
80°-90°	7.0	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°	699.4	69.3
0°-40°	818.7	81.2
0°-60°	931.1	92.3
0°-90°	1008.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1134	
5°	1096	103
15°	1020	284
25°	671	312
35°	152	119
45°	74	56
55°	63	56
65°	46	45
75°	24	26
85°	6	7
90°	0	



TEST NUMBER: P742751

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9030-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1134.2
2.5°	1122.3
5°	1096.3
7.5°	1074.5
10°	1053.5
12.5°	1035.7
15°	1019.7
17.5°	981.2
20°	926.4
22.5°	808.2
25°	671.2
27.5°	584.3
30°	453.4
32.5°	292.9
35°	151.9
37.5°	82.0
40°	74.7
42.5°	74.1
45°	73.5
47.5°	71.8
50°	69.2
52.5°	66.1
55°	62.9
57.5°	59.2
60°	55.1
62.5°	50.5
65°	45.6
67.5°	40.2
70°	34.8
72.5°	29.4
75°	24.4
77.5°	19.2
80°	14.6
82.5°	10.3
85°	5.9
87.5°	2.3
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

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

Scaled Data Report





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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)