

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: P755018

Luminaire Tested: LD4D85BD010-EU4DR6070959024-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755018  
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: LD4D85BD010-EU4DR6070959024-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7310.2 lumens  
Efficiency: N/A  
Efficacy: 83.4 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): 87.7  
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

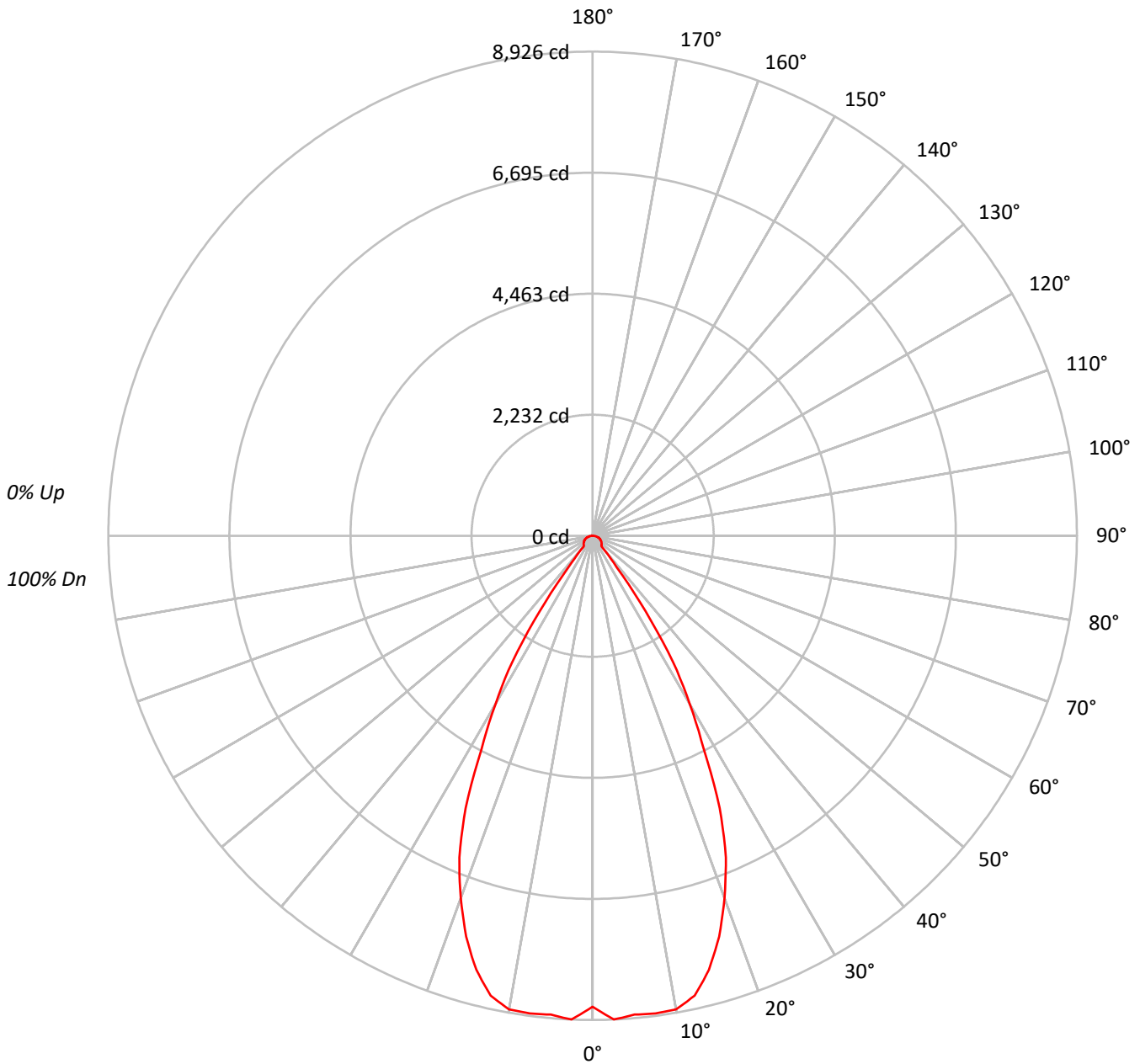


Downlight

TEST NUMBER: P755018

CATALOG NUMBER: LD4D85BD010-EU4DR6070959024-4LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P755018

CATALOG NUMBER: LD4D85BD010-EU4DR6070959024-4LBDP1LI

**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	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°	948580
5°	971913
10°	983650
15°	937056
20°	826200
25°	668253
30°	452018
35°	226511
40°	36741
45°	35972
50°	36682
55°	37241
60°	38263
65°	39142
70°	40060
75°	40527
80°	39074
85°	32594

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 40527 cd/sqm



TEST NUMBER: P755018

CATALOG NUMBER: LD4D85BD010-EU4DR6070959024-4LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	846.9	11.6
10°-20°	2291.4	31.3
20°-30°	2465.4	33.7
30°-40°	1071.7	14.7
40°-50°	180.0	2.5
50°-60°	175.0	2.4
60°-70°	149.7	2.0
70°-80°	100.1	1.4
80°-90°	30.0	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°	5603.8	76.7
0°-40°	6675.4	91.3
0°-60°	7030.5	96.2
0°-90°	7310.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7310.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8682	
5°	8862	847
15°	8284	2291
25°	5543	2465
35°	1698	1072
45°	233	180
55°	196	175
65°	151	150
75°	96	100
85°	26	30
90°	0	



TEST NUMBER: P755018

CATALOG NUMBER: LD4D85BD010-EU4DR6070959024-4LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8681.8
2.5°	8925.9
5°	8861.5
7.5°	8881.8
10°	8866.0
12.5°	8683.0
15°	8284.1
17.5°	7748.6
20°	7105.7
22.5°	6417.6
25°	5543.1
27.5°	4433.6
30°	3582.8
32.5°	2761.4
35°	1698.2
37.5°	726.5
40°	257.6
42.5°	237.3
45°	232.8
47.5°	224.8
50°	215.8
52.5°	205.6
55°	195.5
57.5°	185.3
60°	175.1
62.5°	163.8
65°	151.4
67.5°	139.0
70°	125.4
72.5°	110.7
75°	96.0
77.5°	79.1
80°	62.1
82.5°	44.1
85°	26.0
87.5°	9.0
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)