

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: P746088

Luminaire Tested: LD4D30D010-EU4DR3520359035-4LBDP1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR3520359035-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2532.4 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
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



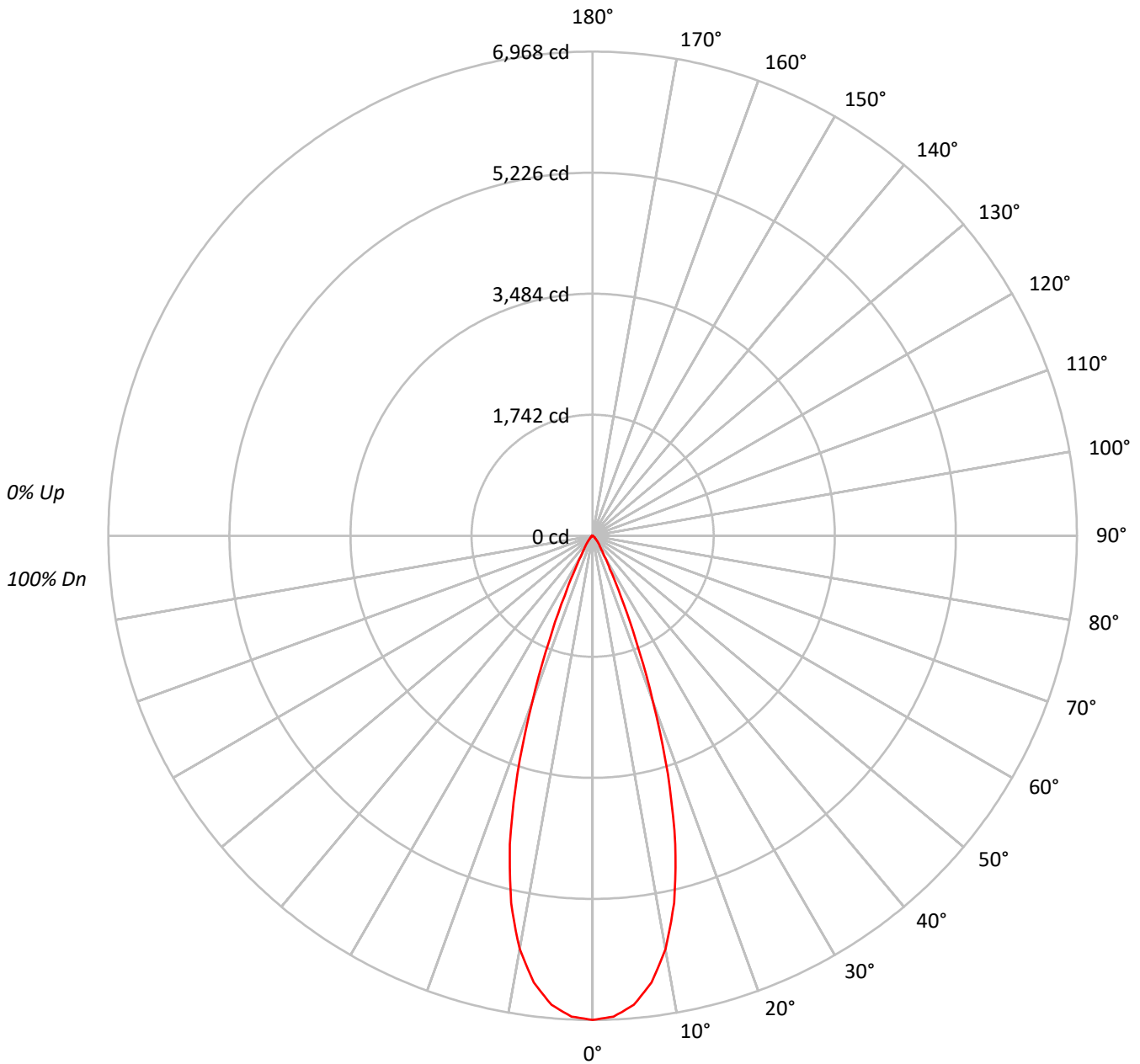
Downlight



TEST NUMBER: P746088

CATALOG NUMBER: LD4D30D010-EU4DR3520359035-4LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P746088

CATALOG NUMBER: LD4D30D010-EU4DR3520359035-4LBDP1MW

**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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																			
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																			
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88																			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																			
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																			
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75																			
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																			
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																			
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																			

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

	0°
0°	761307
5°	743409
10°	670016
15°	520035
20°	294961
25°	114745
30°	42807
35°	23475
40°	15333
45°	9333
50°	5932
55°	4210
60°	3059
65°	1680
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9333 cd/sqm



TEST NUMBER: P746088

CATALOG NUMBER: LD4D30D010-EU4DR3520359035-4LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.4	24.6
10°-20°	1217.1	48.1
20°-30°	496.4	19.6
30°-40°	118.8	4.7
40°-50°	49.5	2.0
50°-60°	20.5	0.8
60°-70°	6.4	0.3
70°-80°	0.2	0.0
80°-90°	0.1	0.0
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°	2336.9	92.3
0°-40°	2455.7	97.0
0°-60°	2525.7	99.7
0°-90°	2532.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2532.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6968	
5°	6778	623
15°	4597	1217
25°	952	496
35°	176	119
45°	60	49
55°	22	20
65°	6	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P746088

CATALOG NUMBER: LD4D30D010-EU4DR3520359035-4LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6967.8
2.5°	6925.9
5°	6778.1
7.5°	6483.3
10°	6039.1
12.5°	5413.6
15°	4597.4
17.5°	3599.2
20°	2536.8
22.5°	1617.6
25°	951.8
27.5°	538.1
30°	339.3
32.5°	238.2
35°	176.0
37.5°	136.0
40°	107.5
42.5°	82.8
45°	60.4
47.5°	45.2
50°	34.9
52.5°	27.7
55°	22.1
57.5°	17.9
60°	14.0
62.5°	10.3
65°	6.5
67.5°	2.3
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.4
85°	0.0
87.5°	0.0
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)