

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: P746077

Luminaire Tested: LD4D30D010-EU4DR3520359030-4LBS1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746077  
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-EU4DR3520359030-4LBS1H  
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2692.7 lumens  
Efficiency: N/A  
Efficacy: 92.9 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 (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

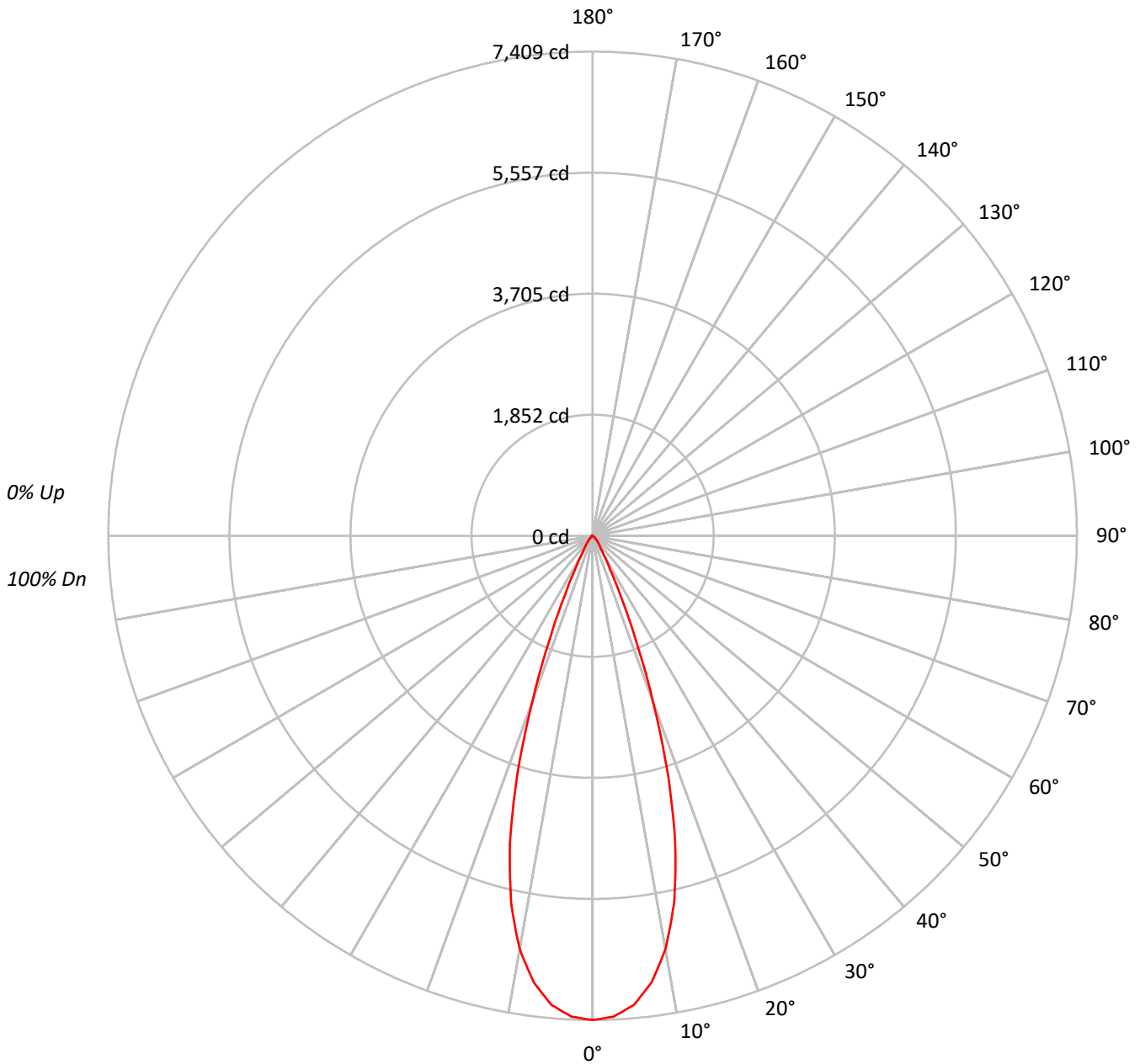


Downlight



TEST NUMBER: P746077  
CATALOG NUMBER: LD4D30D010-EU4DR3520359030-4LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P746077

CATALOG NUMBER: LD4D30D010-EU4DR3520359030-4LBS1H

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

RF	20				20				20				20				20				
RC	80				70				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°	809513
5°	790494
10°	712442
15°	552963
20°	313634
25°	122015
30°	45520
35°	24956
40°	16317
45°	9920
50°	6323
55°	4457
60°	3278
65°	1784
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9920 cd/sqm



TEST NUMBER: P746077

CATALOG NUMBER: LD4D30D010-EU4DR3520359030-4LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	662.9	24.6
10°-20°	1294.2	48.1
20°-30°	527.8	19.6
30°-40°	126.3	4.7
40°-50°	52.6	2.0
50°-60°	21.8	0.8
60°-70°	6.8	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°	2484.9	92.3
0°-40°	2611.2	97.0
0°-60°	2685.7	99.7
0°-90°	2692.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2692.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7409	
5°	7207	663
15°	4888	1294
25°	1012	528
35°	187	126
45°	64	53
55°	23	22
65°	7	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P746077

CATALOG NUMBER: LD4D30D010-EU4DR3520359030-4LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7409.0
2.5°	7364.5
5°	7207.4
7.5°	6893.9
10°	6421.5
12.5°	5756.4
15°	4888.5
17.5°	3827.1
20°	2697.4
22.5°	1720.0
25°	1012.1
27.5°	572.1
30°	360.8
32.5°	253.4
35°	187.1
37.5°	144.7
40°	114.4
42.5°	88.1
45°	64.2
47.5°	48.1
50°	37.2
52.5°	29.5
55°	23.4
57.5°	19.0
60°	15.0
62.5°	10.9
65°	6.9
67.5°	2.4
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)