

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: P746559

Luminaire Tested: LD4D30D010-EU4DR6520359035-4LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR6520359035-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2738.2 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

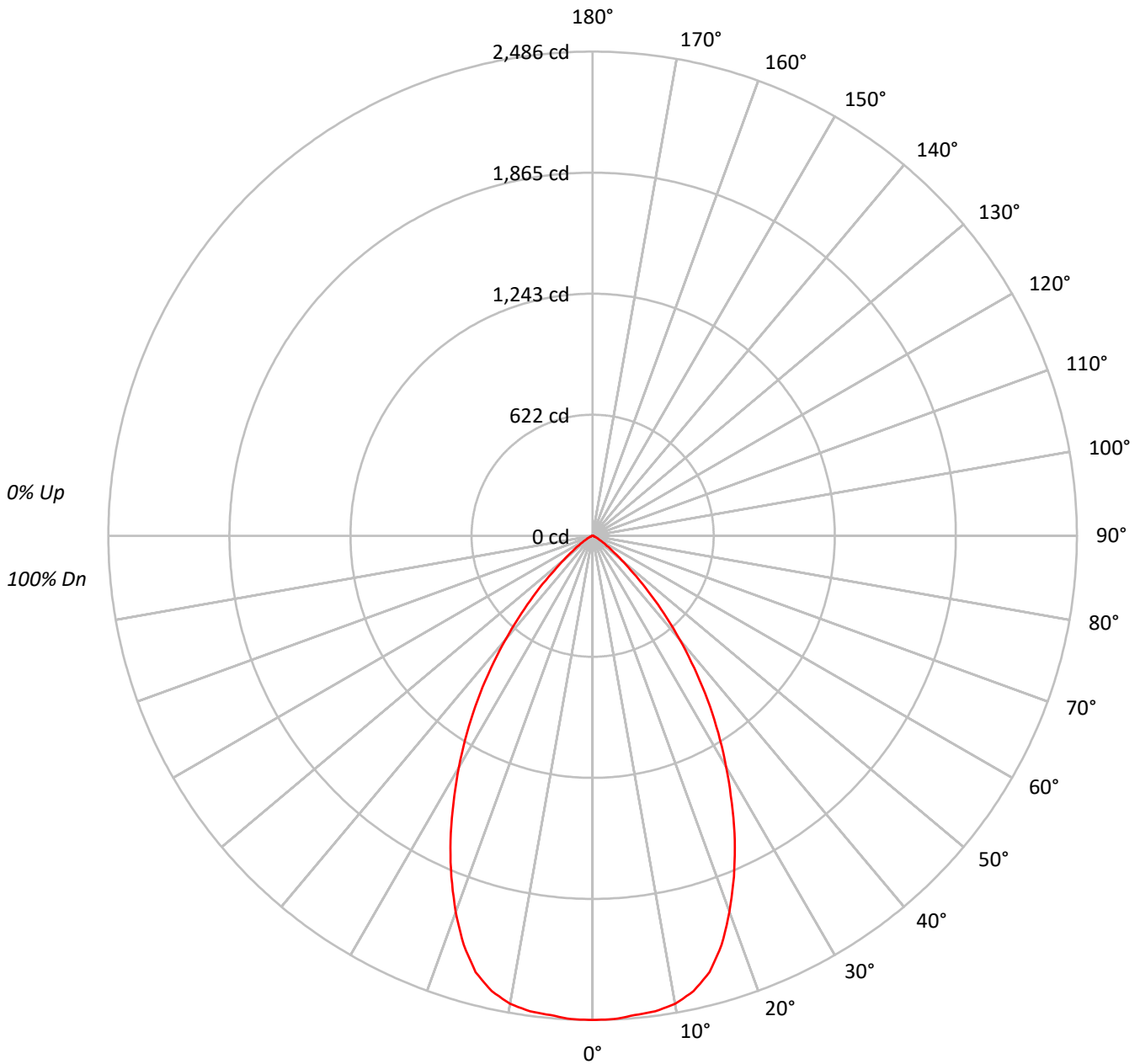


Downlight



TEST NUMBER: P746559  
CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P746559  
 CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBS1LI

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

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

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

	0°
0°	145204
5°	144838
10°	144710
15°	140253
20°	127685
25°	111265
30°	92547
35°	73323
40°	52926
45°	33435
50°	17427
55°	9266
60°	4871
65°	2681
70°	1127
75°	1241
80°	874
85°	737

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 33435 cd/sqm



TEST NUMBER: P746559

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.1	8.6
10°-20°	643.8	23.5
20°-30°	787.0	28.7
30°-40°	638.5	23.3
40°-50°	318.2	11.6
50°-60°	88.8	3.2
60°-70°	20.2	0.7
70°-80°	5.3	0.2
80°-90°	1.3	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°	1665.9	60.8
0°-40°	2304.5	84.2
0°-60°	2711.4	99.0
0°-90°	2738.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2738.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2486	
5°	2470	235
15°	2320	644
25°	1727	787
35°	1028	639
45°	405	318
55°	91	89
65°	19	20
75°	6	5
85°	1	1
90°	0	



TEST NUMBER: P746559

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBS1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2486.2
2.5°	2484.4
5°	2470.5
7.5°	2462.4
10°	2440.1
12.5°	2394.9
15°	2319.6
17.5°	2202.0
20°	2054.4
22.5°	1895.0
25°	1726.6
27.5°	1546.5
30°	1372.3
32.5°	1200.2
35°	1028.4
37.5°	857.1
40°	694.2
42.5°	541.4
45°	404.8
47.5°	282.1
50°	191.8
52.5°	132.2
55°	91.0
57.5°	61.4
60°	41.7
62.5°	28.9
65°	19.4
67.5°	9.9
70°	6.6
72.5°	6.2
75°	5.5
77.5°	3.7
80°	2.6
82.5°	1.8
85°	1.1
87.5°	0.7
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)