

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: P746541

Luminaire Tested: LD4D30D010-EU4DR6520359030-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR6520359030-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2346.7 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
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

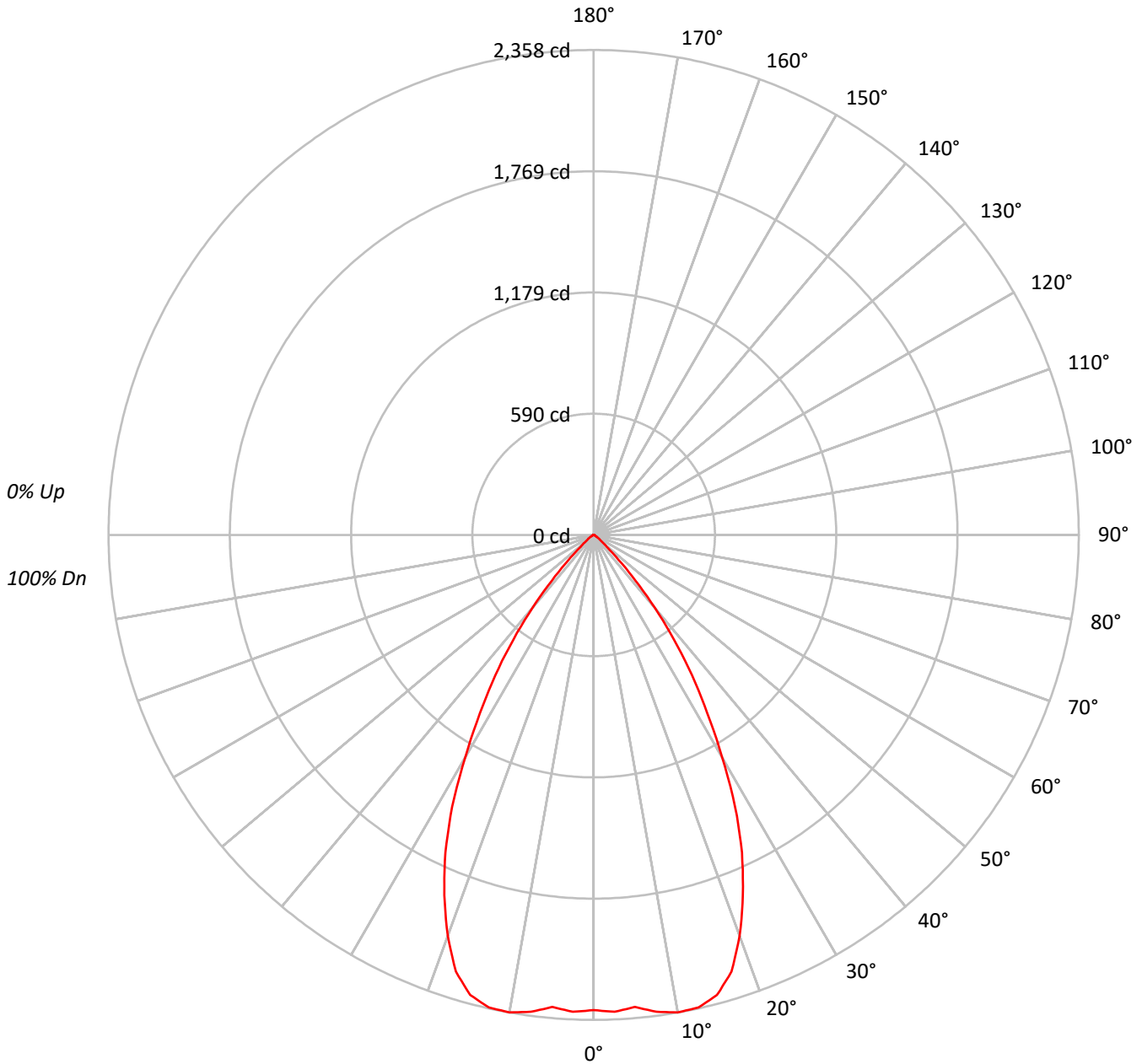


Downlight



TEST NUMBER: P746541  
CATALOG NUMBER: LD4D30D010-EU4DR6520359030-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P746541

CATALOG NUMBER: LD4D30D010-EU4DR6520359030-4LBDP1H

**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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

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

	0°
0°	252447
5°	252665
10°	261556
15°	261986
20°	241208
25°	205524
30°	157326
35°	111161
40°	65610
45°	26639
50°	9655
55°	5372
60°	3081
65°	1706
70°	1789
75°	1393
80°	1447
85°	1254

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26639 cd/sqm



TEST NUMBER: P746541

CATALOG NUMBER: LD4D30D010-EU4DR6520359030-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.5	9.5
10°-20°	641.8	27.3
20°-30°	770.0	32.8
30°-40°	517.5	22.1
40°-50°	154.9	6.6
50°-60°	27.3	1.2
60°-70°	7.8	0.3
70°-80°	3.8	0.2
80°-90°	1.2	0.1
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°	1634.2	69.6
0°-40°	2151.7	91.7
0°-60°	2333.9	99.5
0°-90°	2346.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2346.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2310	
5°	2304	222
15°	2316	642
25°	1705	770
35°	833	517
45°	172	155
55°	28	27
65°	7	8
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P746541  
CATALOG NUMBER: LD4D30D010-EU4DR6520359030-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2310.5
2.5°	2320.4
5°	2303.7
7.5°	2338.4
10°	2357.5
12.5°	2352.9
15°	2316.1
17.5°	2226.1
20°	2074.5
22.5°	1895.8
25°	1704.8
27.5°	1489.0
30°	1247.0
32.5°	1027.7
35°	833.4
37.5°	641.2
40°	460.0
42.5°	300.5
45°	172.4
47.5°	91.3
50°	56.8
52.5°	39.4
55°	28.2
57.5°	20.3
60°	14.1
62.5°	9.2
65°	6.6
67.5°	5.9
70°	5.6
72.5°	4.2
75°	3.3
77.5°	3.0
80°	2.3
82.5°	1.7
85°	1.0
87.5°	0.6
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)