

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: P746573

Luminaire Tested: LD4D30D010-EU4DR6520359040-4LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746573  
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-EU4DR6520359040-4LBS1MW  
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2546.5 lumens  
Efficiency: N/A  
Efficacy: 87.8 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

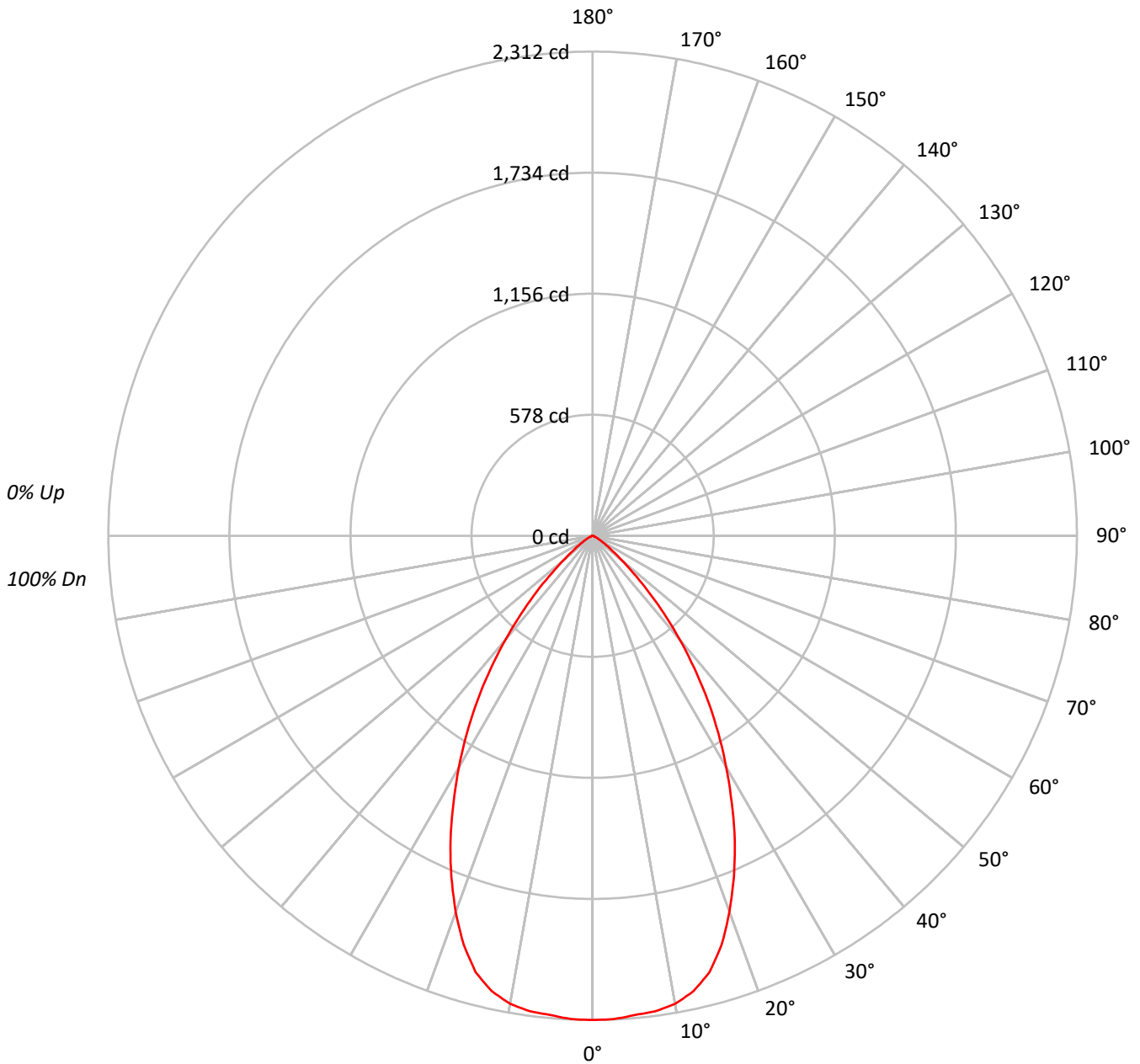


Downlight



TEST NUMBER: P746573  
CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P746573

CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBS1MW

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

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

	0°
0°	135036
5°	134695
10°	134580
15°	130433
20°	118748
25°	103480
30°	86066
35°	68196
40°	49213
45°	31097
50°	16209
55°	8614
60°	4520
65°	2488
70°	1042
75°	1151
80°	807
85°	670

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31097 cd/sqm



TEST NUMBER: P746573

CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.7	8.6
10°-20°	598.8	23.5
20°-30°	731.9	28.7
30°-40°	593.8	23.3
40°-50°	295.9	11.6
50°-60°	82.5	3.2
60°-70°	18.7	0.7
70°-80°	4.9	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°	1549.3	60.8
0°-40°	2143.2	84.2
0°-60°	2521.6	99.0
0°-90°	2546.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2312	
5°	2298	219
15°	2157	599
25°	1606	732
35°	956	594
45°	376	296
55°	85	83
65°	18	19
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P746573  
CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2312.1
2.5°	2310.5
5°	2297.5
7.5°	2290.1
10°	2269.3
12.5°	2227.2
15°	2157.2
17.5°	2047.8
20°	1910.6
22.5°	1762.4
25°	1605.8
27.5°	1438.3
30°	1276.2
32.5°	1116.2
35°	956.5
37.5°	797.1
40°	645.5
42.5°	503.6
45°	376.5
47.5°	262.3
50°	178.4
52.5°	123.0
55°	84.6
57.5°	57.1
60°	38.7
62.5°	26.8
65°	18.0
67.5°	9.2
70°	6.1
72.5°	5.8
75°	5.1
77.5°	3.4
80°	2.4
82.5°	1.7
85°	1.0
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)