

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: P746568

Luminaire Tested: LD4D30D010-EU4DR6520359040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746568
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-EU4DR6520359040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2673.3 lumens
Efficiency: N/A
Efficacy: 92.2 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_{in}): 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

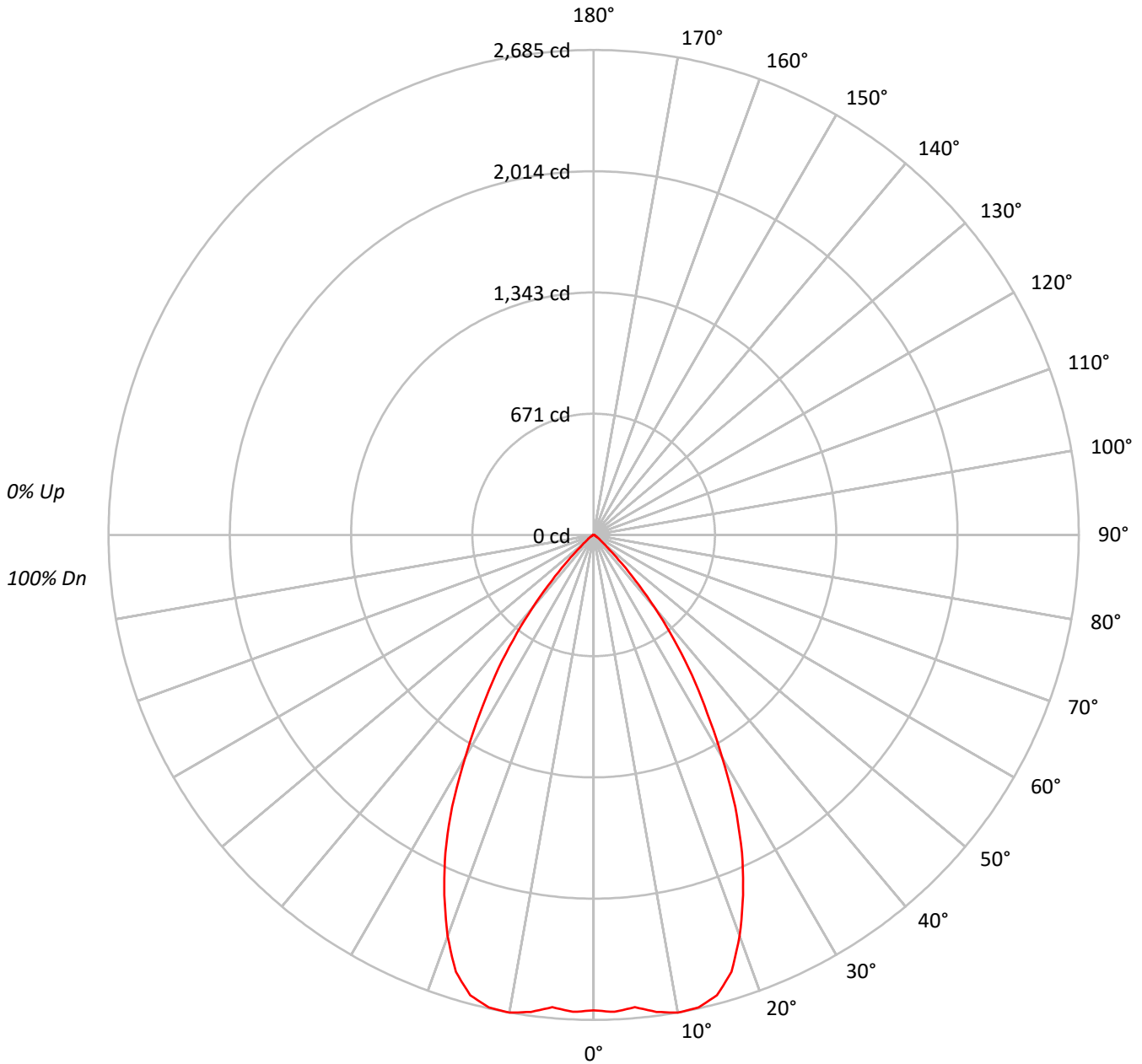


Downlight



TEST NUMBER: P746568
CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P746568

CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBDP1LI

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°	287574
5°	287806
10°	297935
15°	298431
20°	274753
25°	234108
30°	179215
35°	126620
40°	74738
45°	30347
50°	10998
55°	6115
60°	3518
65°	1939
70°	2045
75°	1562
80°	1636
85°	1379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30347 cd/sqm



TEST NUMBER: P746568

CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	9.5
10°-20°	731.0	27.3
20°-30°	877.1	32.8
30°-40°	589.5	22.1
40°-50°	176.5	6.6
50°-60°	31.1	1.2
60°-70°	8.9	0.3
70°-80°	4.4	0.2
80°-90°	1.4	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°	1861.6	69.6
0°-40°	2451.1	91.7
0°-60°	2658.7	99.5
0°-90°	2673.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2673.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2632	
5°	2624	253
15°	2638	731
25°	1942	877
35°	949	589
45°	196	176
55°	32	31
65°	8	9
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P746568

CATALOG NUMBER: LD4D30D010-EU4DR6520359040-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2632.0
2.5°	2643.2
5°	2624.1
7.5°	2663.8
10°	2685.4
12.5°	2680.2
15°	2638.3
17.5°	2535.8
20°	2363.0
22.5°	2159.6
25°	1941.9
27.5°	1696.2
30°	1420.5
32.5°	1170.7
35°	949.3
37.5°	730.5
40°	524.0
42.5°	342.2
45°	196.4
47.5°	104.0
50°	64.7
52.5°	44.9
55°	32.1
57.5°	23.2
60°	16.1
62.5°	10.5
65°	7.5
67.5°	6.8
70°	6.4
72.5°	4.9
75°	3.7
77.5°	3.4
80°	2.6
82.5°	1.9
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)