

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: P745763

Luminaire Tested: LD4D30D010-EU4DR1515309030-4LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR1515309030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.8 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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



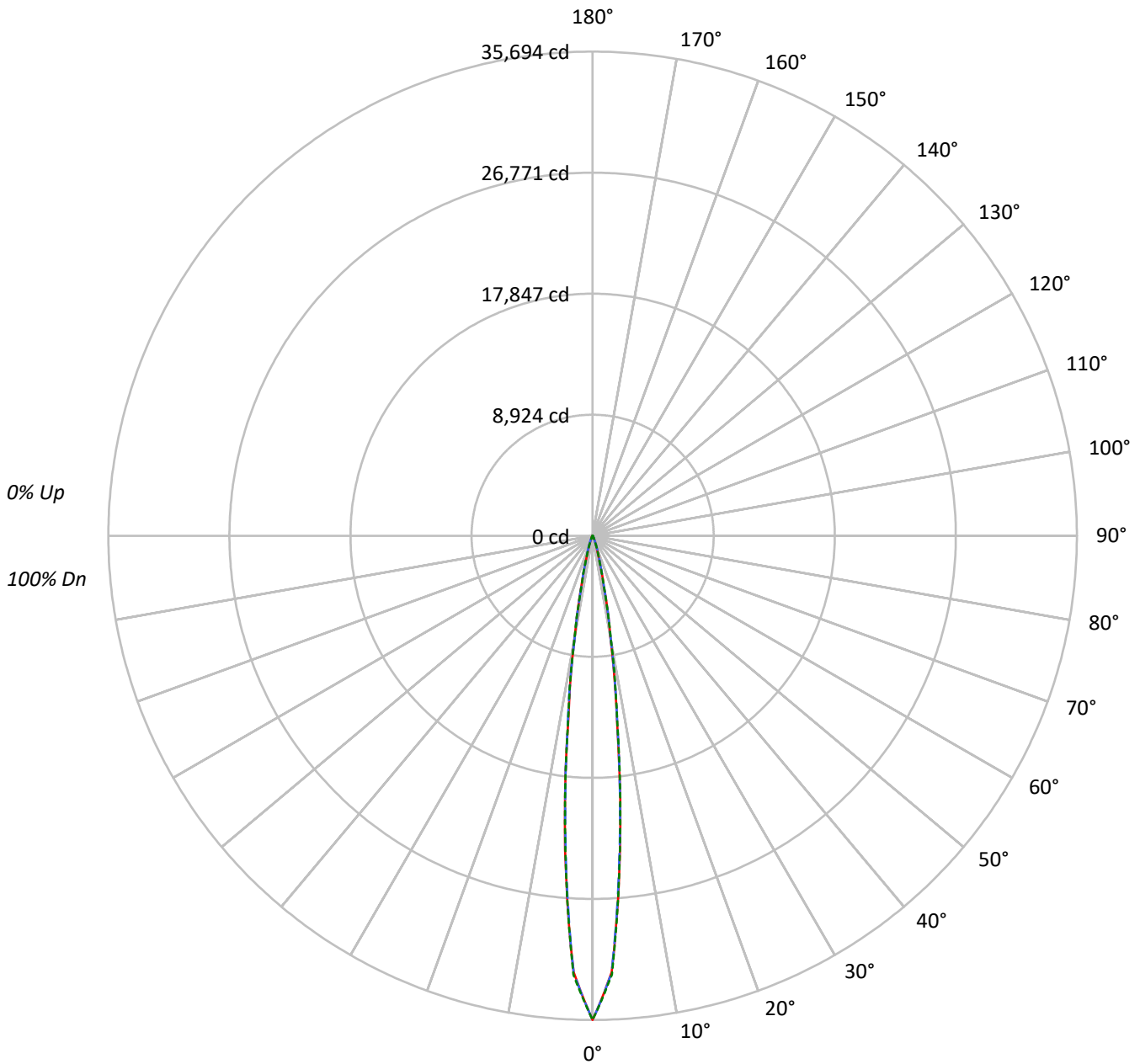
Downlight



TEST NUMBER: P745763

CATALOG NUMBER: LD4D30D010-EU4DR1515309030-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P745763

CATALOG NUMBER: LD4D30D010-EU4DR1515309030-4LBDP1MW

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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4016310	4016310	4016310
5°	2360179	2329619	2348044
10°	704398	709334	720195
15°	175216	178630	173114
20°	52424	60704	53537
25°	18478	23542	18720
30°	6792	8941	6904
35°	3399	3842	3290
40°	2145	2358	2145
45°	1589	1694	1589
50°	1259	1259	1259
55°	1051	1051	1051
60°	850	850	850
65°	649	649	649
70°	556	556	556
75°	340	340	454
80°	236	236	236
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1694 cd/sqm



TEST NUMBER: P745763

CATALOG NUMBER: LD4D30D010-EU4DR1515309030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1699.1	64.9
10°-20°	698.9	26.7
20°-30°	138.8	5.3
30°-40°	34.7	1.3
40°-50°	18.2	0.7
50°-60°	13.5	0.5
60°-70°	9.6	0.4
70°-80°	5.4	0.2
80°-90°	1.6	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°	2536.8	96.8
0°-40°	2571.5	98.2
0°-60°	2603.2	99.4
0°-90°	2619.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2619.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35694	35694	35694	35694	35694	
5°	23224	22985	22923	23081	23104	1696
15°	2017	2055	2057	2020	1993	692
25°	237	269	302	268	240	125
35°	47	50	53	50	45	32
45°	23	23	24	23	23	18
55°	15	15	15	15	15	13
65°	9	9	9	9	9	10
75°	4	4	4	4	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P745763

CATALOG NUMBER: LD4D30D010-EU4DR1515309030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35694.2	35694.2	35694.2	35694.2	35694.2
2.5°	32197.6	32224.8	32235.4	32267.1	32385.0
5°	23223.5	22984.7	22922.8	23081.4	23104.1
7.5°	13756.7	13805.0	13981.8	14021.1	13879.1
10°	7549.2	7611.2	7602.1	7656.5	7718.5
12.5°	3860.8	3812.4	3797.3	3859.2	3773.1
15°	2017.3	2055.0	2056.6	2020.3	1993.1
17.5°	1084.9	1128.8	1201.3	1142.4	1051.7
20°	640.7	680.0	741.9	693.6	654.3
22.5°	395.9	427.6	471.5	433.7	401.9
25°	237.2	269.0	302.2	267.5	240.3
27.5°	140.5	167.7	188.9	166.2	139.0
30°	90.7	105.8	119.4	104.3	92.2
32.5°	63.5	69.5	75.6	69.5	63.5
35°	46.8	49.9	52.9	49.9	45.3
37.5°	36.3	39.3	40.8	37.8	34.8
40°	30.2	31.7	33.2	31.7	30.2
42.5°	25.7	27.2	27.2	27.2	25.7
45°	22.7	22.7	24.2	22.7	22.7
47.5°	19.6	19.6	21.2	19.6	19.6
50°	18.1	18.1	18.1	18.1	18.1
52.5°	16.6	16.6	16.6	16.6	16.6
55°	15.1	15.1	15.1	15.1	15.1
57.5°	13.6	13.6	13.6	13.6	13.6
60°	12.1	12.1	12.1	12.1	12.1
62.5°	10.6	10.6	10.6	10.6	10.6
65°	9.1	9.1	9.1	9.1	9.1
67.5°	9.1	9.1	9.1	9.1	9.1
70°	7.6	7.6	7.6	7.6	7.6
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.5	4.5	4.5	4.5	6.0
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)