

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: P745746

Luminaire Tested: LD4D30D010-EU4DR1515309027-4LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745746  
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-EU4DR1515309027-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2467.2 lumens  
Efficiency: N/A  
Efficacy: 85.1 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 (Ain): 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

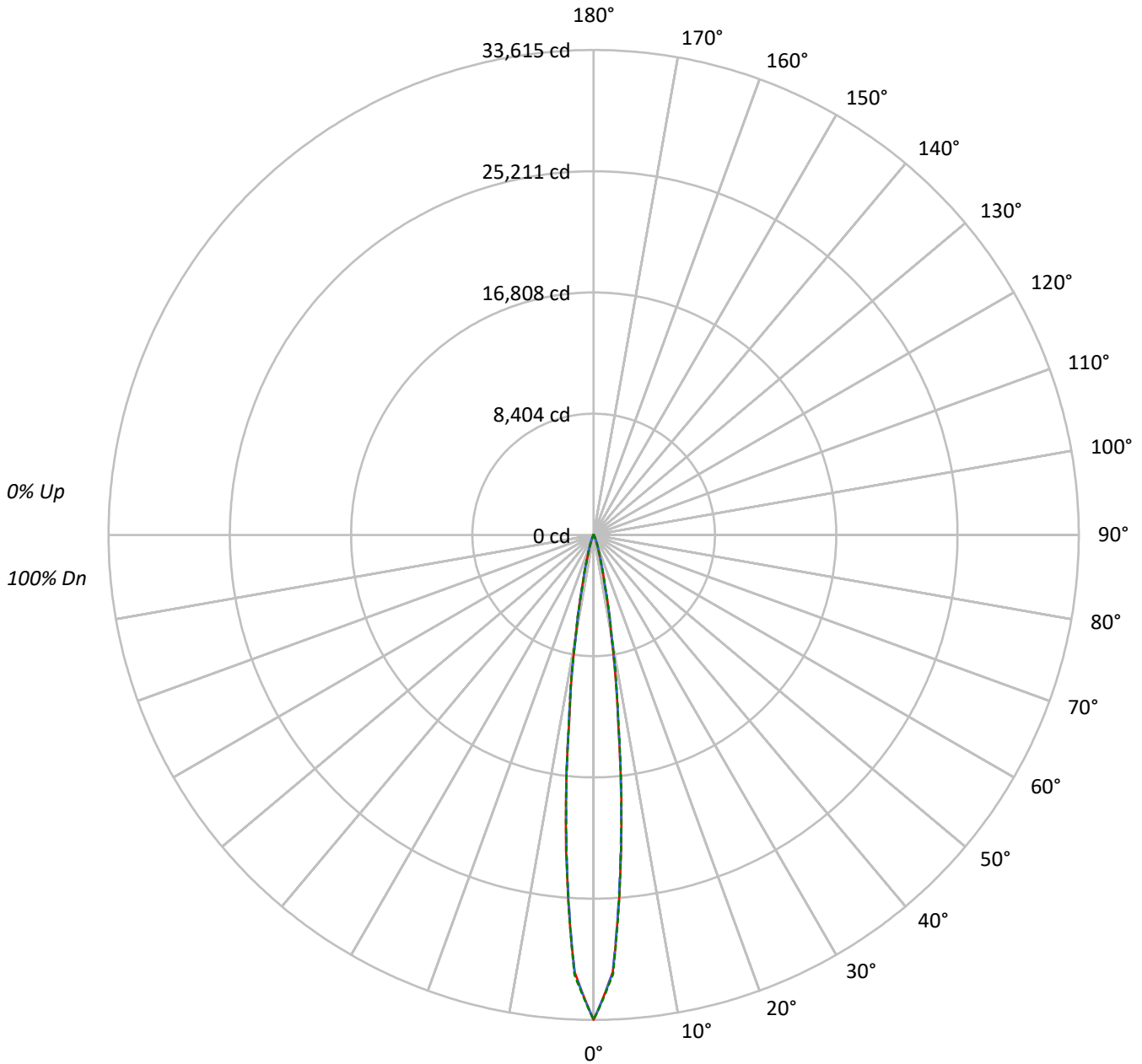


Downlight



TEST NUMBER: P745746  
CATALOG NUMBER: LD4D30D010-EU4DR1515309027-4LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P745746

CATALOG NUMBER: LD4D30D010-EU4DR1515309027-4LBCSSQMW

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

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

	0°	45°	90°
0°	3782381	3782381	3782381
5°	2222705	2193924	2211282
10°	663370	668026	678244
15°	165011	168224	163030
20°	49372	57170	50419
25°	17403	22171	17629
30°	6395	8417	6500
35°	3203	3616	3101
40°	2024	2223	2024
45°	1491	1596	1491
50°	1189	1189	1189
55°	988	988	988
60°	800	800	800
65°	607	607	607
70°	519	519	519
75°	325	325	431
80°	221	221	221
85°	116	116	116

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1596 cd/sqm



TEST NUMBER: P745746

CATALOG NUMBER: LD4D30D010-EU4DR1515309027-4LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1600.2	64.9
10°-20°	658.2	26.7
20°-30°	130.7	5.3
30°-40°	32.6	1.3
40°-50°	17.1	0.7
50°-60°	12.7	0.5
60°-70°	9.0	0.4
70°-80°	5.1	0.2
80°-90°	1.5	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°	2389.1	96.8
0°-40°	2421.7	98.2
0°-60°	2451.6	99.4
0°-90°	2467.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33615	33615	33615	33615	33615	
5°	21871	21646	21588	21737	21758	1597
15°	1900	1935	1937	1903	1877	651
25°	223	253	285	252	226	117
35°	44	47	50	47	43	30
45°	21	21	23	21	21	17
55°	14	14	14	14	14	13
65°	8	8	8	8	8	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



TEST NUMBER: P745746

CATALOG NUMBER: LD4D30D010-EU4DR1515309027-4LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	33615.2	33615.2	33615.2	33615.2	33615.2
2.5°	30322.3	30347.9	30357.9	30387.8	30498.8
5°	21870.8	21646.0	21587.6	21737.1	21758.4
7.5°	12955.4	13001.0	13167.5	13204.5	13070.7
10°	7109.5	7167.9	7159.4	7210.6	7268.9
12.5°	3635.9	3590.3	3576.1	3634.5	3553.4
15°	1899.8	1935.3	1936.8	1902.6	1877.0
17.5°	1021.7	1063.0	1131.3	1075.8	990.4
20°	603.4	640.4	698.7	653.2	616.2
22.5°	372.8	402.7	444.0	408.4	378.5
25°	223.4	253.3	284.6	251.9	226.3
27.5°	132.3	158.0	177.9	156.5	130.9
30°	85.4	99.6	112.4	98.2	86.8
32.5°	59.8	65.5	71.2	65.5	59.8
35°	44.1	47.0	49.8	47.0	42.7
37.5°	34.2	37.0	38.4	35.6	32.7
40°	28.5	29.9	31.3	29.9	28.5
42.5°	24.2	25.6	25.6	25.6	24.2
45°	21.3	21.3	22.8	21.3	21.3
47.5°	18.5	18.5	19.9	18.5	18.5
50°	17.1	17.1	17.1	17.1	17.1
52.5°	15.7	15.7	15.7	15.7	15.7
55°	14.2	14.2	14.2	14.2	14.2
57.5°	12.8	12.8	12.8	12.8	12.8
60°	11.4	11.4	11.4	11.4	11.4
62.5°	10.0	10.0	10.0	10.0	10.0
65°	8.5	8.5	8.5	8.5	8.5
67.5°	8.5	8.5	8.5	8.5	8.5
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.3	4.3	4.3	4.3	5.7
77.5°	4.3	4.3	4.3	4.3	4.3
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
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)