

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: P761974

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761974  
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: LD6D20D010-EU6DR1515309035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1857.2 lumens  
Efficiency: N/A  
Efficacy: 80.4 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): 23.1  
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



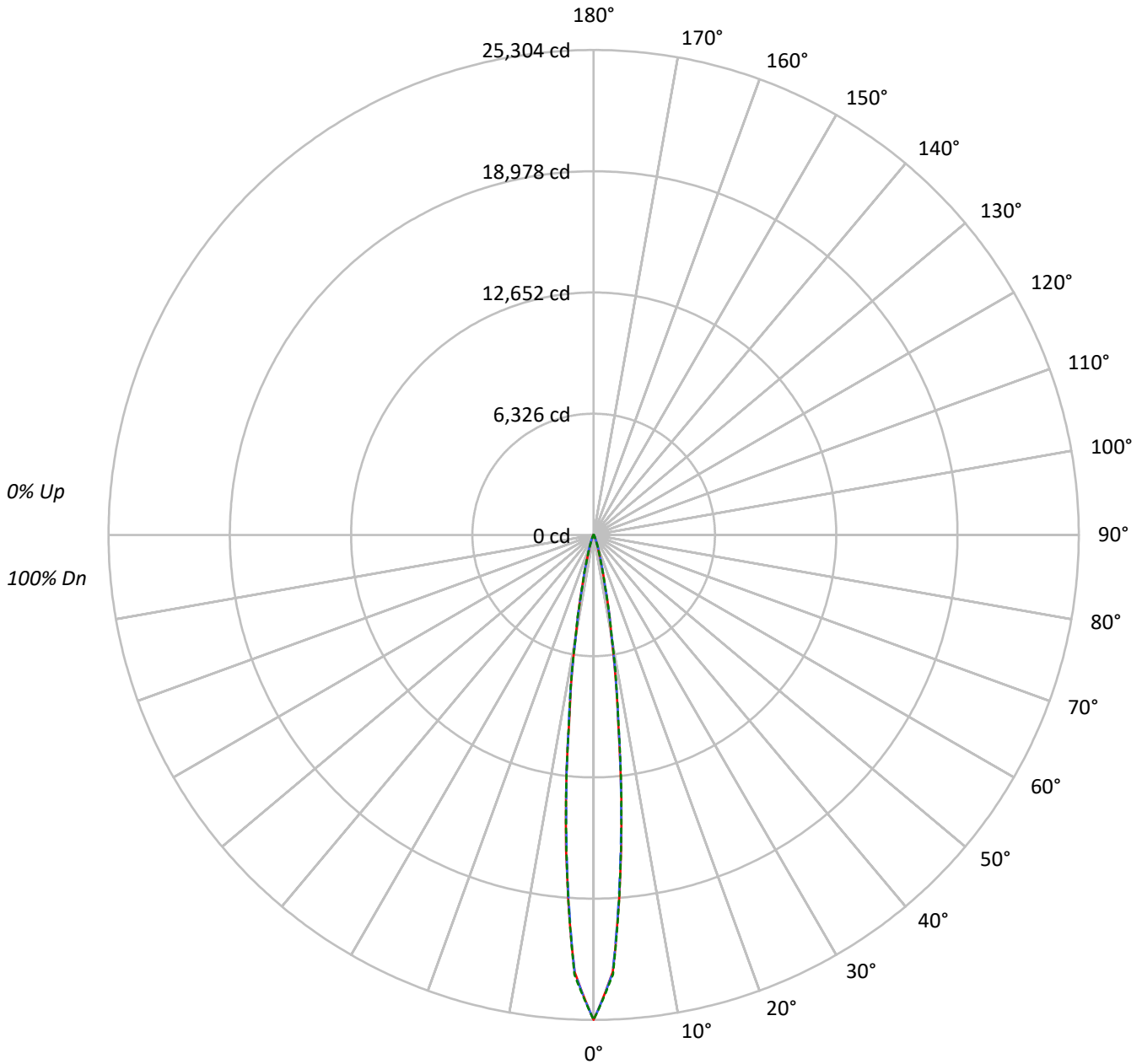
Downlight



TEST NUMBER: P761974

CATALOG NUMBER: LD6D20D010-EU6DR1515309035-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P761974

CATALOG NUMBER: LD6D20D010-EU6DR1515309035-6LBSQW1MW

**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°	2847182	2847182	2847182
5°	1673137	1651480	1664539
10°	499354	502853	510551
15°	124205	126629	122720
20°	37164	43039	37949
25°	13103	16686	13266
30°	4815	6335	4890
35°	2411	2723	2331
40°	1520	1676	1520
45°	1127	1197	1127
50°	897	897	897
55°	745	745	745
60°	604	604	604
65°	457	457	457
70°	395	395	395
75°	242	242	325
80°	166	166	166
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1197 cd/sqm



TEST NUMBER: P761974

CATALOG NUMBER: LD6D20D010-EU6DR1515309035-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1204.5	64.9
10°-20°	495.4	26.7
20°-30°	98.4	5.3
30°-40°	24.6	1.3
40°-50°	12.9	0.7
50°-60°	9.6	0.5
60°-70°	6.8	0.4
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°	1798.4	96.8
0°-40°	1822.9	98.2
0°-60°	1845.4	99.4
0°-90°	1857.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1857.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25304	25304	25304	25304	25304	
5°	16463	16294	16250	16362	16379	1202
15°	1430	1457	1458	1432	1413	490
25°	168	191	214	190	170	88
35°	33	35	38	35	32	23
45°	16	16	17	16	16	13
55°	11	11	11	11	11	10
65°	6	6	6	6	6	7
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P761974

CATALOG NUMBER: LD6D20D010-EU6DR1515309035-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	25303.8	25303.8	25303.8	25303.8	25303.8
2.5°	22825.1	22844.4	22851.9	22874.3	22957.9
5°	16463.2	16294.0	16250.1	16362.5	16378.6
7.5°	9752.2	9786.5	9911.8	9939.6	9838.9
10°	5351.7	5395.6	5389.2	5427.8	5471.7
12.5°	2736.9	2702.6	2691.9	2735.8	2674.8
15°	1430.0	1456.8	1457.9	1432.2	1412.9
17.5°	769.1	800.2	851.6	809.8	745.6
20°	454.2	482.0	526.0	491.7	463.8
22.5°	280.7	303.1	334.2	307.4	284.9
25°	168.2	190.7	214.2	189.6	170.3
27.5°	99.6	118.9	133.9	117.8	98.6
30°	64.3	75.0	84.6	73.9	65.3
32.5°	45.0	49.3	53.6	49.3	45.0
35°	33.2	35.3	37.5	35.3	32.1
37.5°	25.7	27.9	28.9	26.8	24.6
40°	21.4	22.5	23.6	22.5	21.4
42.5°	18.2	19.3	19.3	19.3	18.2
45°	16.1	16.1	17.1	16.1	16.1
47.5°	13.9	13.9	15.0	13.9	13.9
50°	12.9	12.9	12.9	12.9	12.9
52.5°	11.8	11.8	11.8	11.8	11.8
55°	10.7	10.7	10.7	10.7	10.7
57.5°	9.6	9.6	9.6	9.6	9.6
60°	8.6	8.6	8.6	8.6	8.6
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.3	4.3	4.3	4.3	4.3
75°	3.2	3.2	3.2	3.2	4.3
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1
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)