

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: P760698

Luminaire Tested: LD6D10D010-EU6DR600210IC9050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D10D010-EU6DR600210IC9050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1117.5 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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

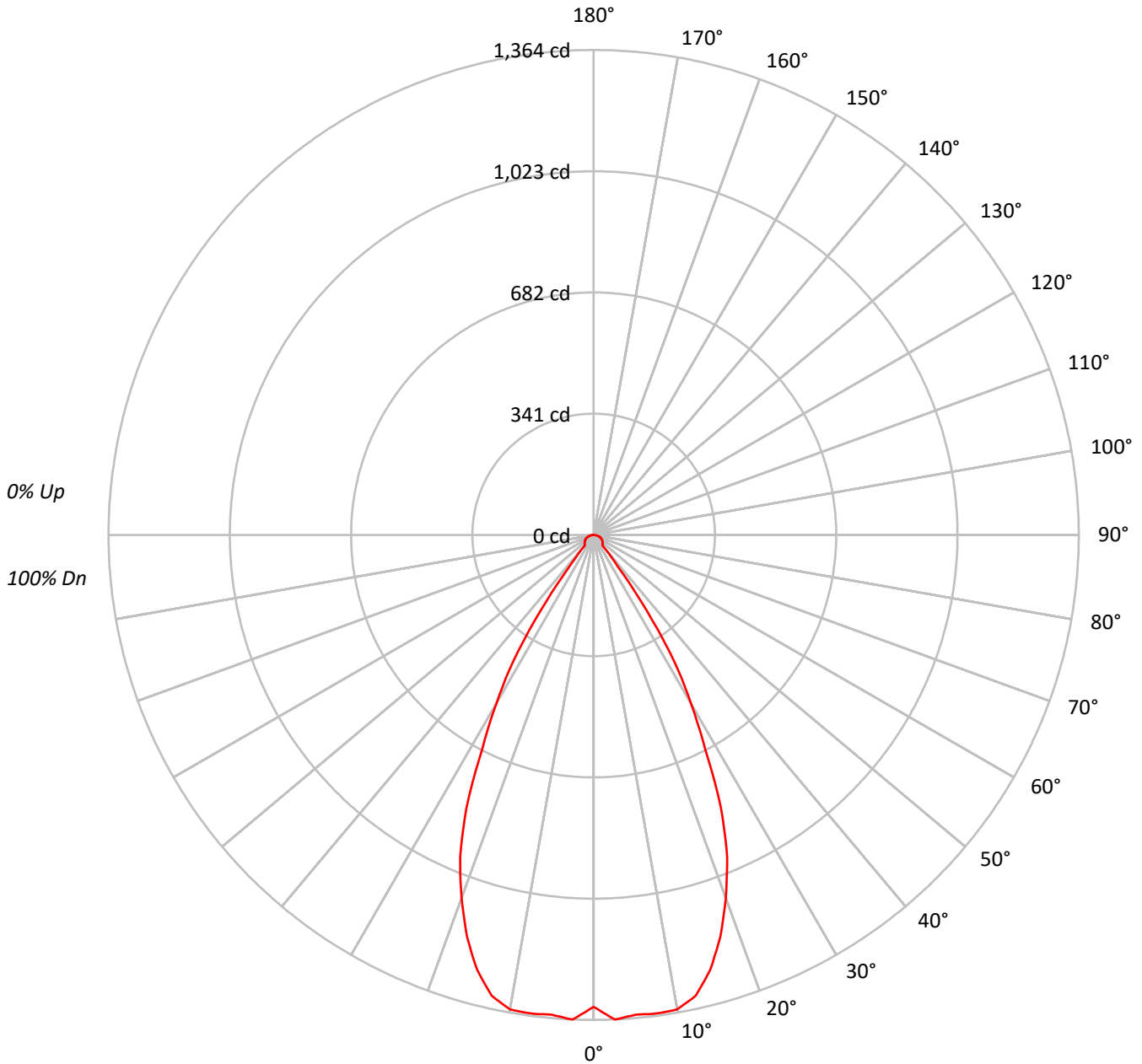


Downlight



TEST NUMBER: P760698  
CATALOG NUMBER: LD6D10D010-EU6DR600210IC9050-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P760698

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9050-6LBDP1H

**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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	145000
5°	148559
10°	150354
15°	143238
20°	126284
25°	102147
30°	69087
35°	34613
40°	5620
45°	5501
50°	5609
55°	5696
60°	5856
65°	5972
70°	6134
75°	6206
80°	5977
85°	5015

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 6206 cd/sqm



TEST NUMBER: P760698

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9050-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	11.6
10°-20°	350.3	31.3
20°-30°	376.8	33.7
30°-40°	163.8	14.7
40°-50°	27.5	2.5
50°-60°	26.8	2.4
60°-70°	22.9	2.0
70°-80°	15.3	1.4
80°-90°	4.6	0.4
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°	856.6	76.7
0°-40°	1020.3	91.3
0°-60°	1074.6	96.2
0°-90°	1117.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1117.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1327	
5°	1354	129
15°	1266	350
25°	847	377
35°	260	164
45°	36	28
55°	30	27
65°	23	23
75°	15	15
85°	4	5
90°	0	



TEST NUMBER: P760698

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9050-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1327.1
2.5°	1364.4
5°	1354.5
7.5°	1357.6
10°	1355.2
12.5°	1327.2
15°	1266.3
17.5°	1184.4
20°	1086.1
22.5°	980.9
25°	847.3
27.5°	677.7
30°	547.6
32.5°	422.1
35°	259.5
37.5°	111.0
40°	39.4
42.5°	36.3
45°	35.6
47.5°	34.4
50°	33.0
52.5°	31.5
55°	29.9
57.5°	28.3
60°	26.8
62.5°	25.0
65°	23.1
67.5°	21.3
70°	19.2
72.5°	16.9
75°	14.7
77.5°	12.1
80°	9.5
82.5°	6.8
85°	4.0
87.5°	1.4
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)