

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: P760762

Luminaire Tested: LD6D10D010-EU6DR650210IC9040-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760762  
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: LD6D10D010-EU6DR650210IC9040-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 736.0 lumens  
Efficiency: N/A  
Efficacy: 62.9 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): 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



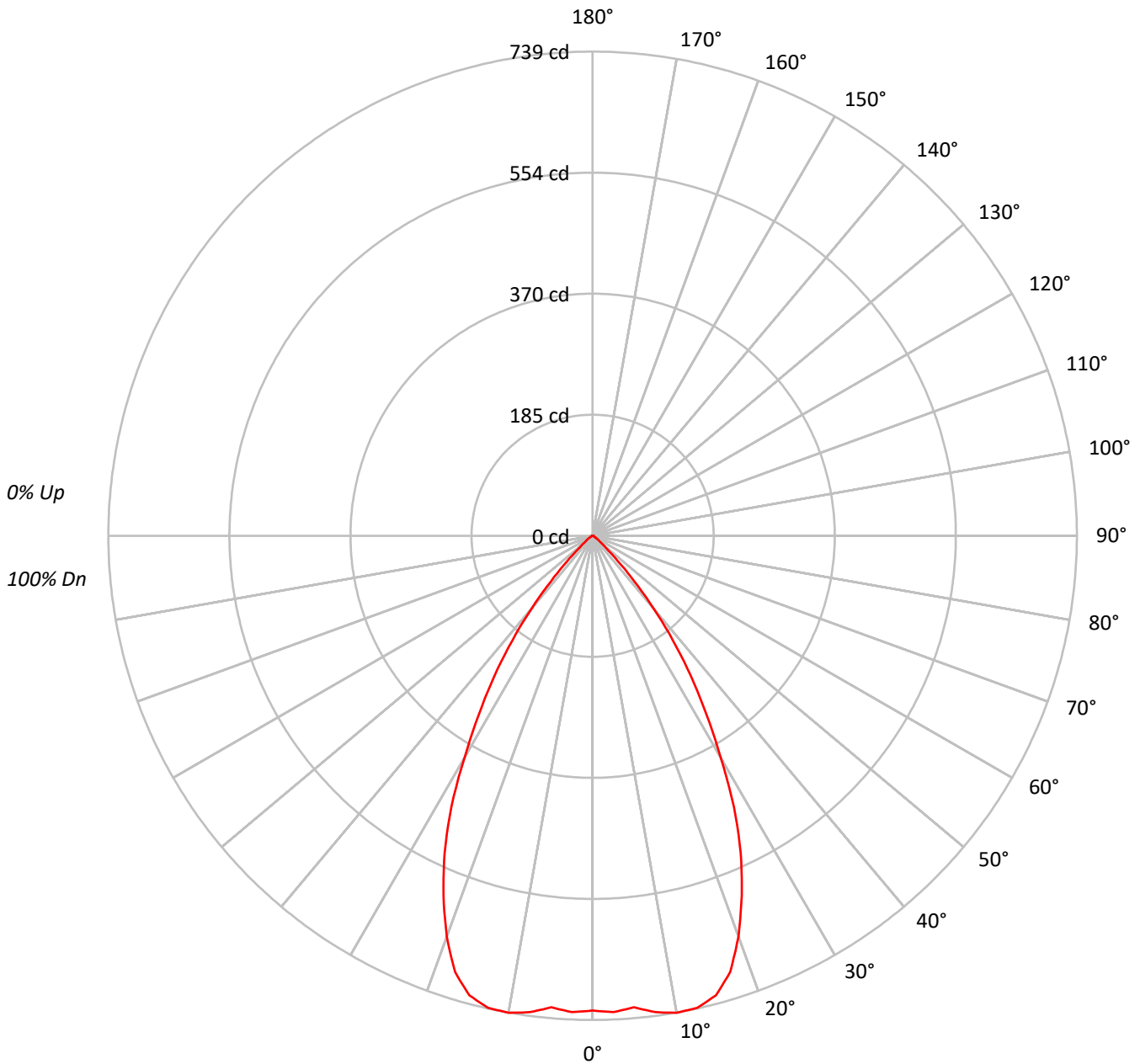
Downlight



TEST NUMBER: P760762

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9040-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P760762

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9040-6LBDP1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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°	79170
5°	79231
10°	82023
15°	82155
20°	75647
25°	64449
30°	49343
35°	34853
40°	20581
45°	8359
50°	3026
55°	1695
60°	961
65°	543
70°	575
75°	422
80°	440
85°	376

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8359 cd/sqm



TEST NUMBER: P760762

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9040-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.8	9.5
10°-20°	201.3	27.3
20°-30°	241.5	32.8
30°-40°	162.3	22.1
40°-50°	48.6	6.6
50°-60°	8.6	1.2
60°-70°	2.4	0.3
70°-80°	1.2	0.2
80°-90°	0.4	0.0
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°	512.5	69.6
0°-40°	674.8	91.7
0°-60°	732.0	99.5
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	725	
5°	722	70
15°	726	201
25°	535	241
35°	261	162
45°	54	49
55°	9	9
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P760762

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9040-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	724.6
2.5°	727.7
5°	722.4
7.5°	733.4
10°	739.3
12.5°	737.9
15°	726.3
17.5°	698.1
20°	650.6
22.5°	594.6
25°	534.6
27.5°	467.0
30°	391.1
32.5°	322.3
35°	261.3
37.5°	201.1
40°	144.3
42.5°	94.2
45°	54.1
47.5°	28.6
50°	17.8
52.5°	12.4
55°	8.9
57.5°	6.4
60°	4.4
62.5°	2.9
65°	2.1
67.5°	1.8
70°	1.8
72.5°	1.3
75°	1.0
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.3
87.5°	0.2
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)