

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: P757739

Luminaire Tested: LD6D02D010-EU6DR650210IC9050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D02D010-EU6DR650210IC9050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 376.3 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
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

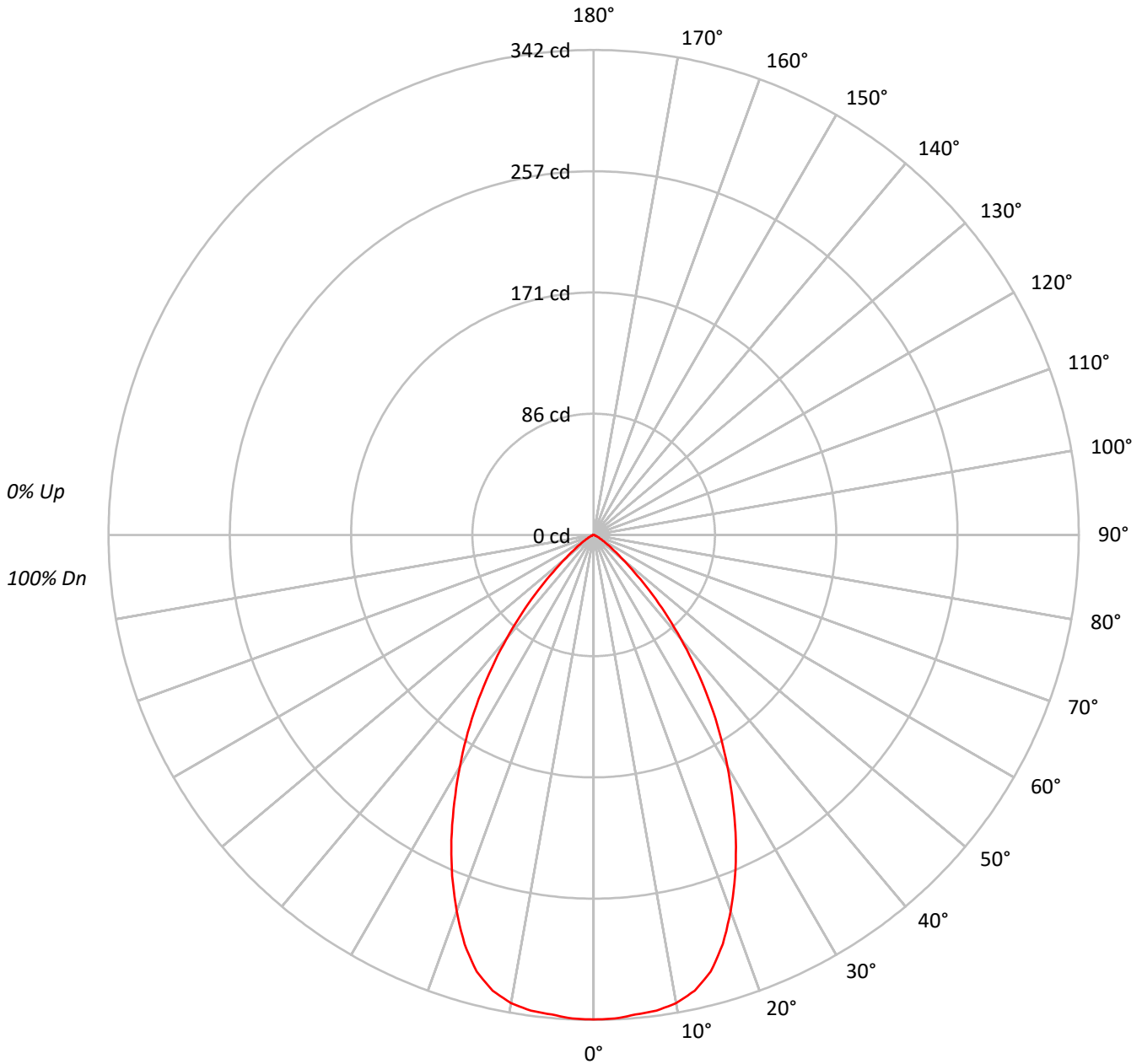


Downlight



TEST NUMBER: P757739  
CATALOG NUMBER: LD6D02D010-EU6DR650210IC9050-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P757739

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9050-6LBS1LI

**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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

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

	0°
0°	19957
5°	19904
10°	19885
15°	19276
20°	17552
25°	15292
30°	12719
35°	10074
40°	7273
45°	4592
50°	2399
55°	1273
60°	666
65°	359
70°	154
75°	158
80°	101
85°	134

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4592 cd/sqm



TEST NUMBER: P757739

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9050-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.3	8.6
10°-20°	88.5	23.5
20°-30°	108.2	28.7
30°-40°	87.8	23.3
40°-50°	43.7	11.6
50°-60°	12.2	3.2
60°-70°	2.8	0.7
70°-80°	0.7	0.2
80°-90°	0.2	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°	229.0	60.8
0°-40°	316.7	84.2
0°-60°	372.7	99.0
0°-90°	376.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	342	
5°	340	32
15°	319	88
25°	237	108
35°	141	88
45°	56	44
55°	12	12
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P757739

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9050-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	341.7
2.5°	341.4
5°	339.5
7.5°	338.4
10°	335.3
12.5°	329.2
15°	318.8
17.5°	302.6
20°	282.4
22.5°	260.5
25°	237.3
27.5°	212.6
30°	188.6
32.5°	165.0
35°	141.3
37.5°	117.8
40°	95.4
42.5°	74.4
45°	55.6
47.5°	38.8
50°	26.4
52.5°	18.2
55°	12.5
57.5°	8.4
60°	5.7
62.5°	4.0
65°	2.6
67.5°	1.4
70°	0.9
72.5°	0.9
75°	0.7
77.5°	0.5
80°	0.3
82.5°	0.2
85°	0.2
87.5°	0.1
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)