

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: P770220

Luminaire Tested: LD6D70BD010-EU6DR2570959030-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D70BD010-EU6DR2570959030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5683.1 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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

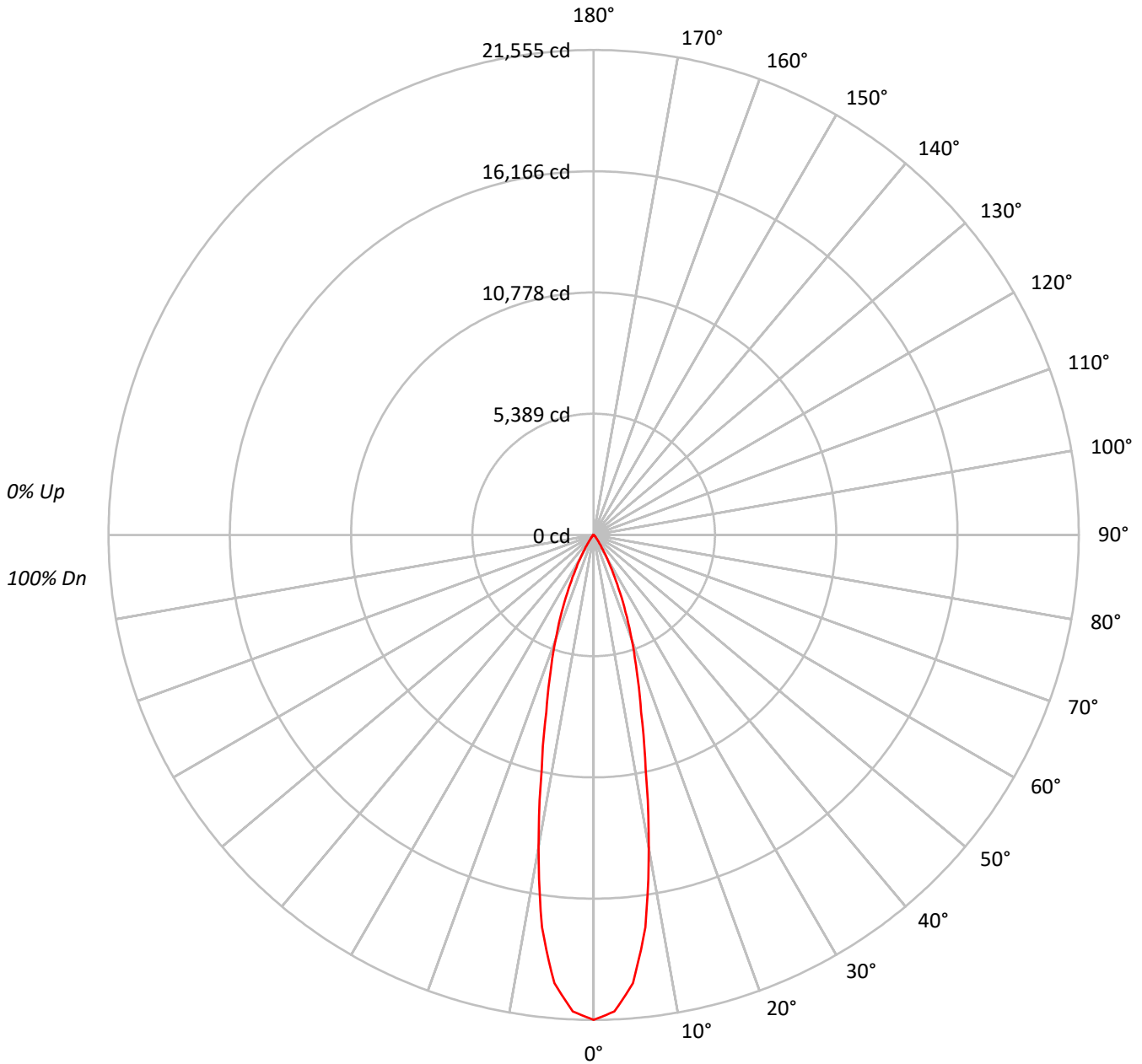


Downlight

TEST NUMBER: P770220

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P770220  
 CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBDP1B

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

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

	0°
0°	2355116
5°	2193485
10°	1564675
15°	921537
20°	573388
25°	314675
30°	143915
35°	54500
40°	24675
45°	14834
50°	6153
55°	3962
60°	2775
65°	1861
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14834 cd/sqm



TEST NUMBER: P770220

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1718.8	30.2
10°-20°	2328.0	41.0
20°-30°	1231.9	21.7
30°-40°	304.1	5.4
40°-50°	74.2	1.3
50°-60°	19.5	0.3
60°-70°	6.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	5278.7	92.9
0°-40°	5582.8	98.2
0°-60°	5676.5	99.9
0°-90°	5683.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5683.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21555	
5°	19999	###
15°	8147	2328
25°	2610	1232
35°	409	304
45°	96	74
55°	21	20
65°	7	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770220

CATALOG NUMBER: LD6D70BD010-EU6DR2570959030-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21555.0
2.5°	21200.7
5°	19999.3
7.5°	17585.7
10°	14103.0
12.5°	10661.1
15°	8146.9
17.5°	6349.3
20°	4931.4
22.5°	3698.3
25°	2610.2
27.5°	1750.4
30°	1140.7
32.5°	694.0
35°	408.6
37.5°	250.1
40°	173.0
42.5°	132.3
45°	96.0
47.5°	58.0
50°	36.2
52.5°	26.3
55°	20.8
57.5°	16.3
60°	12.7
62.5°	10.0
65°	7.2
67.5°	2.7
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)