

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: P770201

Luminaire Tested: LD6D70BD010-EU6DR2570959024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770201  
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-EU6DR2570959024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6180.5 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

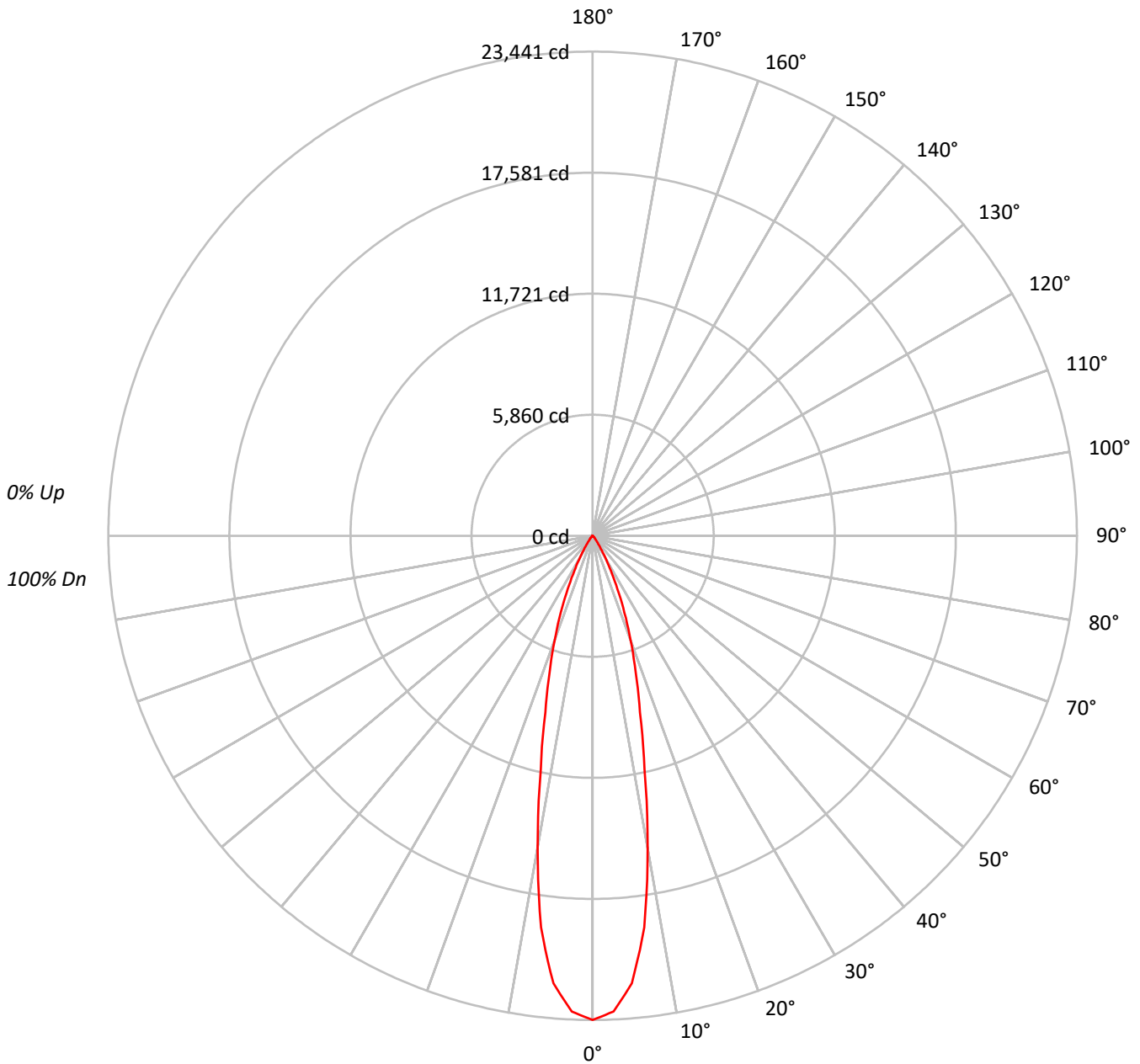


Downlight

TEST NUMBER: P770201

CATALOG NUMBER: LD6D70BD010-EU6DR2570959024-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P770201

CATALOG NUMBER: LD6D70BD010-EU6DR2570959024-6LBS1MW

**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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°
0°	2561203
5°	2385444
10°	1701605
15°	1002177
20°	623571
25°	342210
30°	156506
35°	59275
40°	26843
45°	16132
50°	6697
55°	4324
60°	3016
65°	2042
70°	319
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16132 cd/sqm



TEST NUMBER: P770201

CATALOG NUMBER: LD6D70BD010-EU6DR2570959024-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1869.2	30.2
10°-20°	2531.7	41.0
20°-30°	1339.7	21.7
30°-40°	330.7	5.4
40°-50°	80.7	1.3
50°-60°	21.2	0.3
60°-70°	7.1	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°	5740.6	92.9
0°-40°	6071.3	98.2
0°-60°	6173.3	99.9
0°-90°	6180.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6180.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	23441	
5°	21750	###
15°	8860	2532
25°	2839	1340
35°	444	331
45°	104	81
55°	23	21
65°	8	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770201

CATALOG NUMBER: LD6D70BD010-EU6DR2570959024-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	23441.2
2.5°	23056.0
5°	21749.5
7.5°	19124.7
10°	15337.2
12.5°	11594.0
15°	8859.8
17.5°	6905.0
20°	5363.0
22.5°	4022.0
25°	2838.6
27.5°	1903.6
30°	1240.5
32.5°	754.7
35°	444.4
37.5°	271.9
40°	188.2
42.5°	143.9
45°	104.4
47.5°	63.1
50°	39.4
52.5°	28.6
55°	22.7
57.5°	17.7
60°	13.8
62.5°	10.8
65°	7.9
67.5°	3.0
70°	1.0
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)