

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: P770279

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D70BD010-EU6DR3070959024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6758.2 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

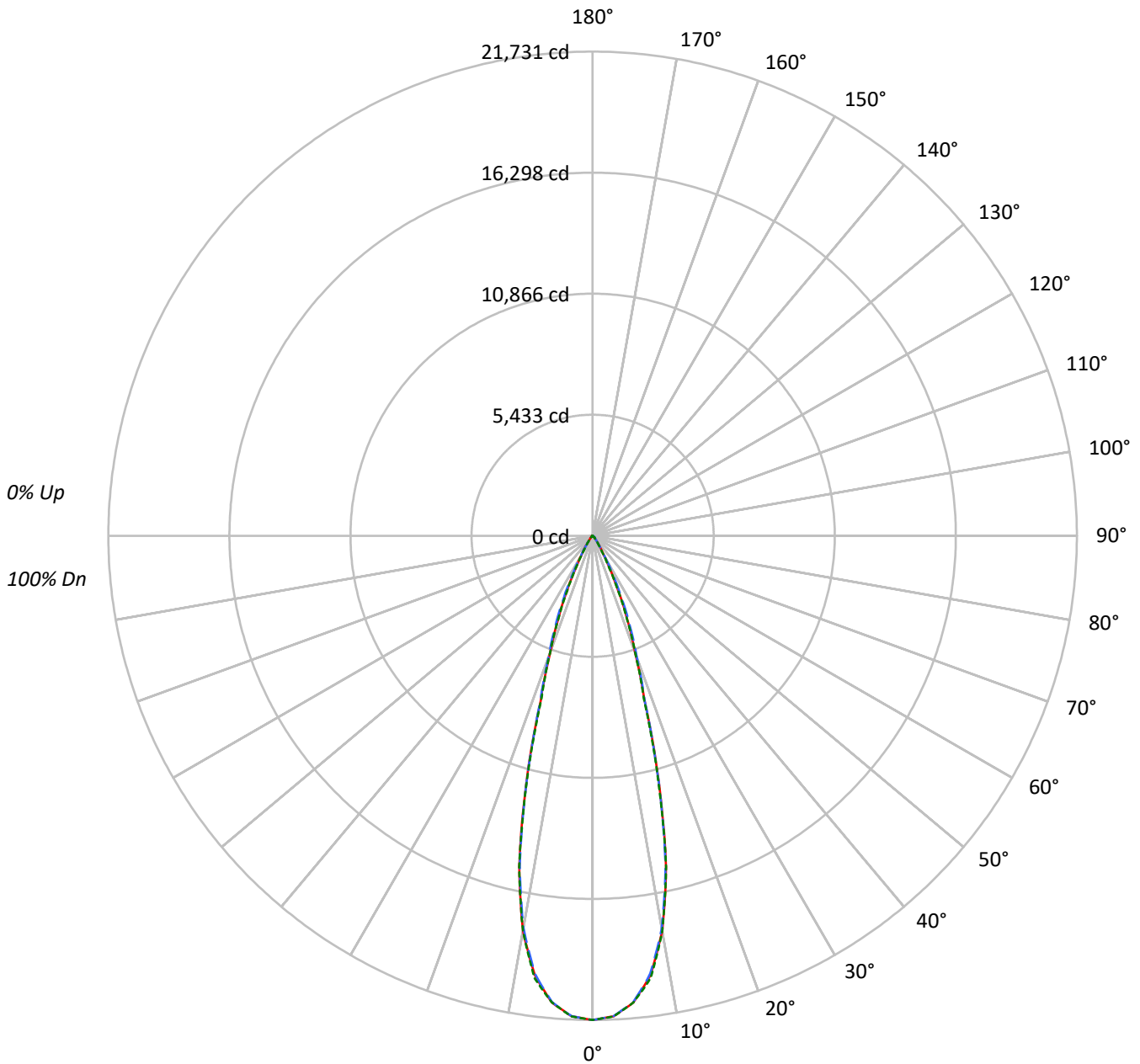


Downlight

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### Luminous Intensity Polar Plot





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**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																			
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	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	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°	45°	90°
0°	1663349	1663349	1663349
5°	1615595	1613713	1615680
10°	1399354	1389483	1399020
15°	913005	908099	903535
20°	453994	471026	453391
25°	228691	257887	224003
30°	91567	99769	79776
35°	42469	40675	34097
40°	18335	20364	17266
45°	12936	16053	13055
50°	4442	11694	4704
55°	2562	4844	2709
60°	1791	2128	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16053 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1910.9	28.3
10°-20°	3077.5	45.5
20°-30°	1329.9	19.7
30°-40°	303.1	4.5
40°-50°	104.1	1.5
50°-60°	25.4	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6318.3	93.5
0°-40°	6621.4	98.0
0°-60°	6750.9	99.9
0°-90°	6758.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6758.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21731	21731	21731	21731	21731	
5°	21027	21006	21002	21046	21028	1912
15°	11522	11383	11460	11422	11402	3085
25°	2708	2810	3054	2739	2652	1296
35°	454	464	435	432	365	308
45°	120	148	148	148	121	85
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21730.8	21730.8	21730.8	21730.8	21730.8
2.5°	21586.7	21571.8	21580.3	21591.0	21595.3
5°	21026.6	21006.3	21002.1	21045.8	21027.7
7.5°	19896.7	19867.9	19824.2	19923.4	20016.2
10°	18004.1	17972.0	17877.1	17924.0	17999.8
12.5°	15209.8	15106.3	15104.2	15253.6	15233.3
15°	11521.5	11382.8	11459.6	11422.3	11402.0
17.5°	7747.9	7694.5	7797.0	7766.0	7632.7
20°	5573.5	5587.4	5782.6	5684.5	5566.1
22.5°	4067.0	4117.2	4348.7	4095.9	4003.0
25°	2707.8	2810.2	3053.5	2738.7	2652.3
27.5°	1665.4	1712.4	1958.8	1644.1	1597.2
30°	1036.0	1012.5	1128.8	968.8	902.6
32.5°	679.6	649.7	687.1	616.7	563.3
35°	454.5	464.1	435.3	432.1	364.9
37.5°	283.8	326.5	288.1	307.3	234.7
40°	183.5	236.9	203.8	225.1	172.8
42.5°	150.4	182.4	167.5	178.2	153.6
45°	119.5	148.3	148.3	148.3	120.6
47.5°	66.1	99.2	127.0	101.4	70.4
50°	37.3	50.1	98.2	52.3	39.5
52.5°	25.6	28.8	67.2	29.9	26.7
55°	19.2	20.3	36.3	21.3	20.3
57.5°	14.9	16.0	19.2	16.0	14.9
60°	11.7	11.7	13.9	12.8	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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