

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: P770304

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770304  
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-EU6DR3070959030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8712.0 lumens  
Efficiency: N/A  
Efficacy: 130.8 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

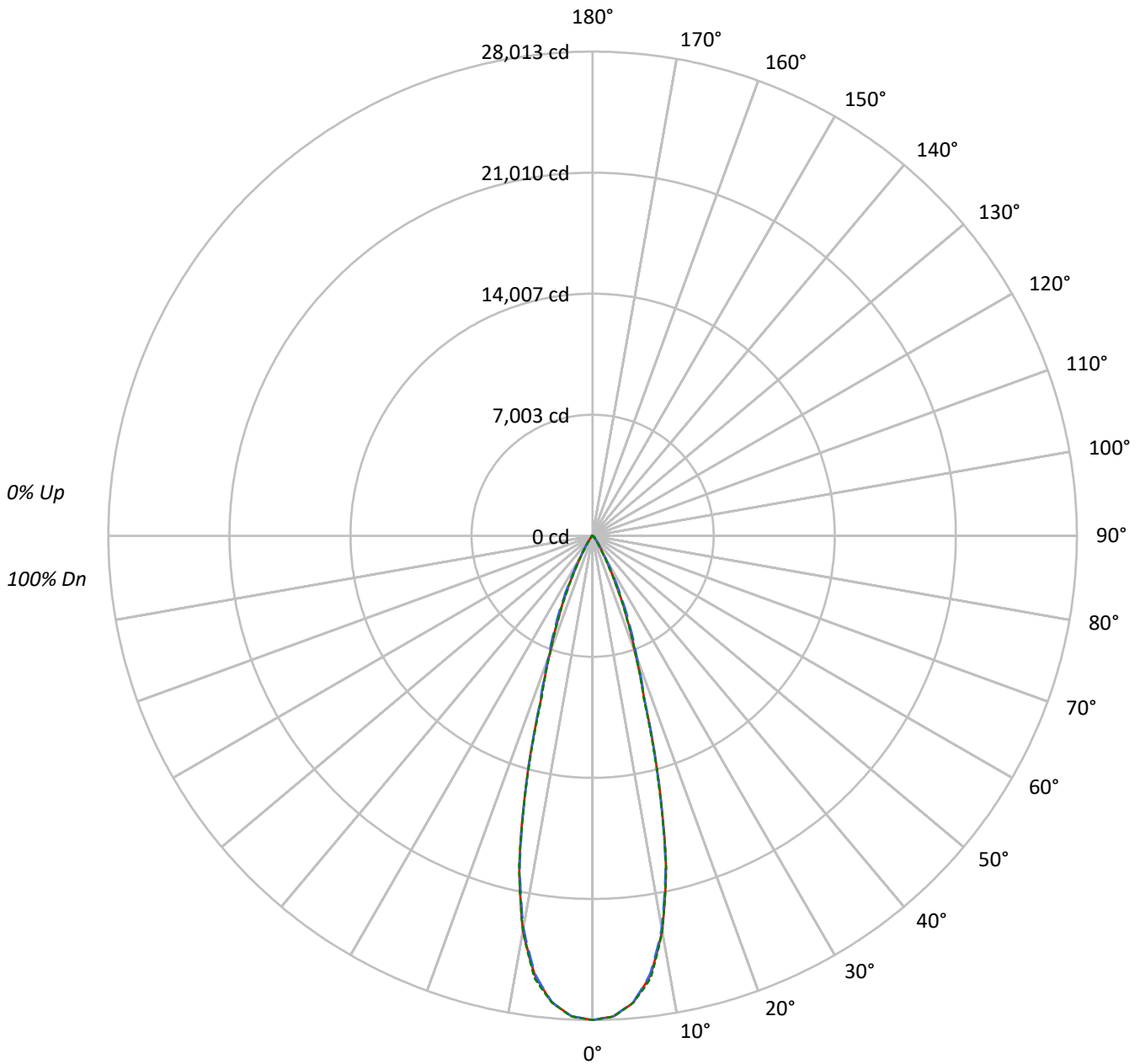
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	2144233	2144233	2144233
5°	2082672	2080244	2082780
10°	1803917	1791193	1803489
15°	1176965	1170641	1164753
20°	585252	607204	584462
25°	294812	332445	288765
30°	118038	128609	102844
35°	54748	52430	43955
40°	23641	26249	22262
45°	16670	20697	16822
50°	5728	15064	6061
55°	3310	6245	3483
60°	2312	2740	2312
65°	1503	1503	1503
70°	918	627	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 20697 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2463.3	28.3
10°-20°	3967.2	45.5
20°-30°	1714.3	19.7
30°-40°	390.7	4.5
40°-50°	134.2	1.5
50°-60°	32.8	0.4
60°-70°	8.5	0.1
70°-80°	0.9	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°	8144.9	93.5
0°-40°	8535.7	98.0
0°-60°	8702.6	99.9
0°-90°	8712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28013	28013	28013	28013	28013	
5°	27106	27079	27074	27130	27107	2465
15°	14852	14674	14773	14725	14698	3977
25°	3491	3623	3936	3530	3419	1671
35°	586	598	561	557	470	397
45°	154	191	191	191	155	109
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
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°	28013.3	28013.3	28013.3	28013.3	28013.3
2.5°	27827.6	27808.4	27819.4	27833.1	27838.6
5°	27105.5	27079.4	27073.9	27130.3	27106.9
7.5°	25649.0	25611.9	25555.5	25683.4	25803.1
10°	23209.2	23167.9	23045.5	23106.0	23203.7
12.5°	19607.1	19473.7	19470.9	19663.5	19637.4
15°	14852.5	14673.7	14772.7	14724.6	14698.4
17.5°	9987.8	9919.1	10051.1	10011.2	9839.3
20°	7184.9	7202.7	7454.4	7327.9	7175.2
22.5°	5242.9	5307.5	5606.0	5280.0	5160.3
25°	3490.7	3622.7	3936.3	3530.5	3419.1
27.5°	2146.9	2207.4	2525.2	2119.4	2058.9
30°	1335.5	1305.2	1455.1	1248.8	1163.6
32.5°	876.1	837.6	885.7	795.0	726.2
35°	585.9	598.3	561.1	557.0	470.4
37.5°	365.8	420.9	371.3	396.1	302.6
40°	236.6	305.3	262.7	290.2	222.8
42.5°	193.9	235.2	215.9	229.7	198.1
45°	154.0	191.2	191.2	191.2	155.4
47.5°	85.3	127.9	163.7	130.7	90.8
50°	48.1	64.6	126.5	67.4	50.9
52.5°	33.0	37.1	86.6	38.5	34.4
55°	24.8	26.1	46.8	27.5	26.1
57.5°	19.3	20.6	24.8	20.6	19.3
60°	15.1	15.1	17.9	16.5	15.1
62.5°	11.0	11.0	12.4	11.0	11.0
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.8	2.8	2.8	4.1
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)