

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: P772643

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772643  
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: LD6D85BD010-EU6DR3070959030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-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: 10576.8 lumens  
Efficiency: N/A  
Efficacy: 120.6 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): 87.7  
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

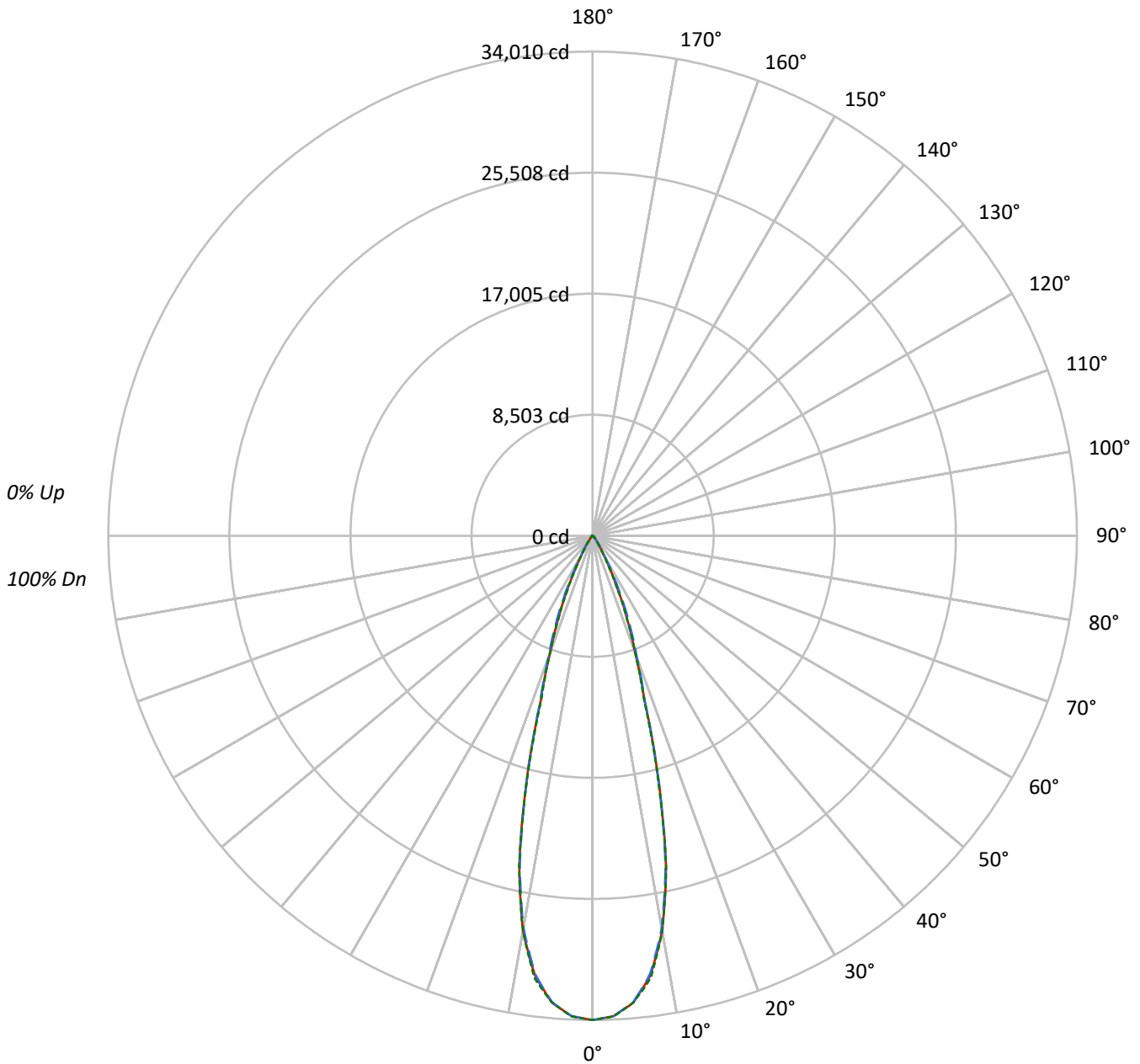


Downlight

TEST NUMBER: P772643

CATALOG NUMBER: LD6D85BD010-EU6DR3070959030-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P772643

CATALOG NUMBER: LD6D85BD010-EU6DR3070959030-6LBS1H

**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°	2603210	2603210	2603210
5°	2528473	2525523	2528604
10°	2190043	2174599	2189522
15°	1428896	1421217	1414077
20°	710522	737183	709569
25°	357909	403600	350578
30°	143298	156140	124852
35°	66465	63662	53365
40°	28697	31865	27028
45°	20243	25125	20427
50°	6954	18291	7359
55°	4017	7580	4230
60°	2817	3322	2817
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25125 cd/sqm



TEST NUMBER: P772643

CATALOG NUMBER: LD6D85BD010-EU6DR3070959030-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2990.6	28.3
10°-20°	4816.4	45.5
20°-30°	2081.3	19.7
30°-40°	474.4	4.5
40°-50°	162.9	1.5
50°-60°	39.8	0.4
60°-70°	10.3	0.1
70°-80°	1.1	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°	9888.4	93.5
0°-40°	10362.7	98.0
0°-60°	10565.4	99.9
0°-90°	10576.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10576.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34010	34010	34010	34010	34010	
5°	32908	32876	32869	32938	32909	2993
15°	18032	17815	17935	17876	17845	4828
25°	4238	4398	4779	4286	4151	2029
35°	711	726	681	676	571	482
45°	187	232	232	232	189	133
55°	30	32	57	33	32	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P772643

CATALOG NUMBER: LD6D85BD010-EU6DR3070959030-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	34009.6	34009.6	34009.6	34009.6	34009.6
2.5°	33784.1	33760.8	33774.1	33790.8	33797.5
5°	32907.5	32875.8	32869.1	32937.6	32909.2
7.5°	31139.2	31094.2	31025.7	31181.0	31326.3
10°	28177.1	28127.0	27978.4	28051.9	28170.4
12.5°	23804.0	23642.1	23638.7	23872.5	23840.8
15°	18031.7	17814.6	17934.8	17876.4	17844.7
17.5°	12125.8	12042.3	12202.6	12154.1	11945.4
20°	8722.8	8744.5	9050.1	8896.5	8711.1
22.5°	6365.1	6443.6	6805.9	6410.2	6264.9
25°	4237.8	4398.1	4778.8	4286.3	4151.0
27.5°	2606.5	2680.0	3065.7	2573.1	2499.6
30°	1621.3	1584.6	1766.6	1516.1	1412.6
32.5°	1063.6	1016.9	1075.3	965.1	881.6
35°	711.3	726.3	681.3	676.3	571.1
37.5°	444.2	510.9	450.8	480.9	367.3
40°	287.2	370.7	318.9	352.3	270.5
42.5°	235.4	285.5	262.2	278.8	240.4
45°	187.0	232.1	232.1	232.1	188.7
47.5°	103.5	155.3	198.7	158.6	110.2
50°	58.4	78.5	153.6	81.8	61.8
52.5°	40.1	45.1	105.2	46.8	41.7
55°	30.1	31.7	56.8	33.4	31.7
57.5°	23.4	25.0	30.1	25.0	23.4
60°	18.4	18.4	21.7	20.0	18.4
62.5°	13.4	13.4	15.0	13.4	13.4
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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



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







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

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)