

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: P773991

Luminaire Tested: LD6D90BD010-EU6DR6570959040-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR6570959040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10117.5 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 98.9  
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

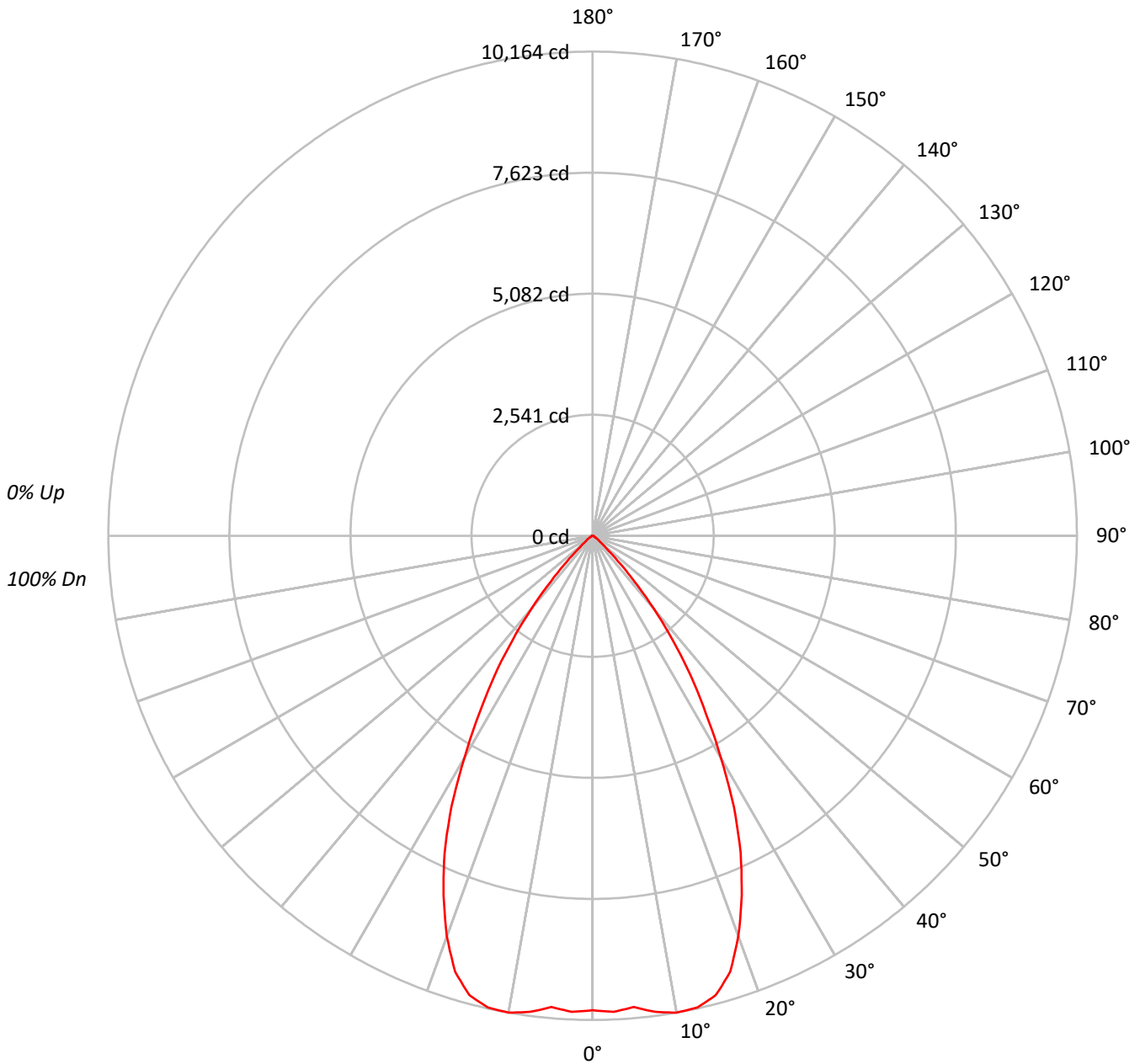


Downlight

TEST NUMBER: P773991

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P773991

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBDP1H

**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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

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

	0°
0°	1088390
5°	1089279
10°	1127636
15°	1129499
20°	1039898
25°	886038
30°	678293
35°	479204
40°	282863
45°	114838
50°	41628
55°	23183
60°	13308
65°	7316
70°	7699
75°	5995
80°	6229
85°	5265

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 114838 cd/sqm



TEST NUMBER: P773991

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	959.2	9.5
10°-20°	2766.8	27.3
20°-30°	3319.7	32.8
30°-40°	2230.9	22.1
40°-50°	667.8	6.6
50°-60°	117.9	1.2
60°-70°	33.5	0.3
70°-80°	16.4	0.2
80°-90°	5.2	0.1
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°	7045.7	69.6
0°-40°	9276.6	91.7
0°-60°	10062.3	99.5
0°-90°	10117.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10117.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9961	
5°	9932	959
15°	9985	2767
25°	7350	3320
35°	3593	2231
45°	743	668
55°	122	118
65°	28	34
75°	14	16
85°	4	5
90°	0	



TEST NUMBER: P773991

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9961.4
2.5°	10003.8
5°	9931.6
7.5°	10081.7
10°	10163.8
12.5°	10144.0
15°	9985.4
17.5°	9597.6
20°	8943.6
22.5°	8173.5
25°	7349.6
27.5°	6419.6
30°	5376.3
32.5°	4430.7
35°	3592.7
37.5°	2764.6
40°	1983.2
42.5°	1295.2
45°	743.2
47.5°	393.5
50°	244.9
52.5°	169.9
55°	121.7
57.5°	87.8
60°	60.9
62.5°	39.6
65°	28.3
67.5°	25.5
70°	24.1
72.5°	18.4
75°	14.2
77.5°	12.7
80°	9.9
82.5°	7.1
85°	4.2
87.5°	2.8
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)