

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: P773956

Luminaire Tested: LD6D90BD010-EU6DR6570959027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR6570959027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9772.9 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

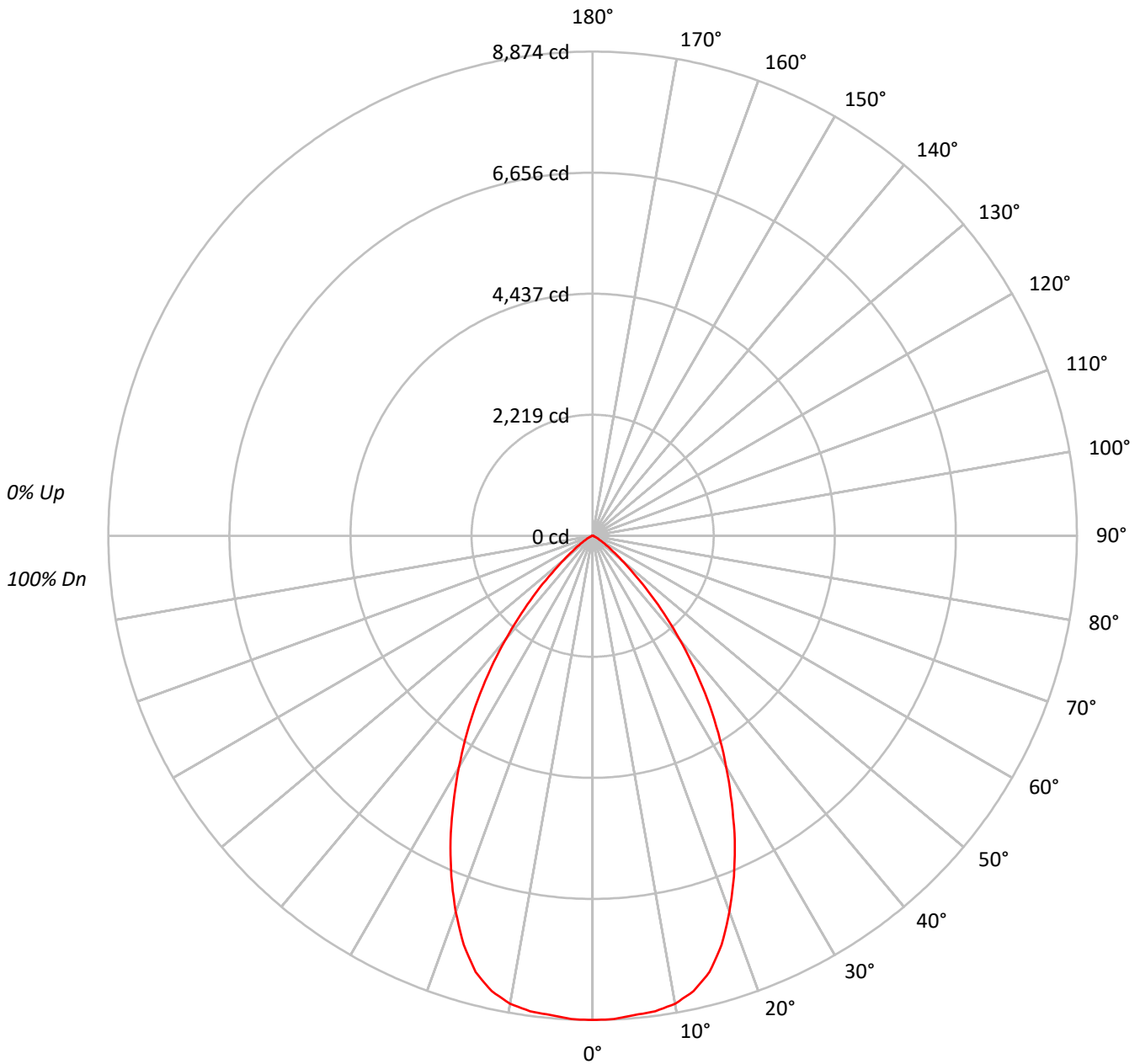


Downlight

TEST NUMBER: P773956

CATALOG NUMBER: LD6D90BD010-EU6DR6570959027-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P773956

CATALOG NUMBER: LD6D90BD010-EU6DR6570959027-6LBS1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

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

	0°
0°	518247
5°	516943
10°	516498
15°	500577
20°	455712
25°	397127
30°	330296
35°	261713
40°	188894
45°	119334
50°	62203
55°	33062
60°	17369
65°	9549
70°	4013
75°	4423
80°	3061
85°	2613

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 119334 cd/sqm



TEST NUMBER: P773956

CATALOG NUMBER: LD6D90BD010-EU6DR6570959027-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	839.2	8.6
10°-20°	2297.9	23.5
20°-30°	2808.8	28.7
30°-40°	2279.0	23.3
40°-50°	1135.7	11.6
50°-60°	316.8	3.2
60°-70°	72.0	0.7
70°-80°	18.7	0.2
80°-90°	4.8	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°	5945.9	60.8
0°-40°	8225.0	84.2
0°-60°	9677.4	99.0
0°-90°	9772.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9772.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8874	
5°	8818	839
15°	8279	2298
25°	6163	2809
35°	3671	2279
45°	1445	1136
55°	325	317
65°	69	72
75°	20	19
85°	4	5
90°	0	



TEST NUMBER: P773956

CATALOG NUMBER: LD6D90BD010-EU6DR6570959027-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8873.5
2.5°	8867.0
5°	8817.5
7.5°	8788.8
10°	8709.2
12.5°	8547.5
15°	8278.9
17.5°	7859.1
20°	7332.2
22.5°	6763.7
25°	6162.6
27.5°	5519.7
30°	4897.7
32.5°	4283.6
35°	3670.7
37.5°	3059.1
40°	2477.6
42.5°	1932.5
45°	1444.8
47.5°	1006.7
50°	684.6
52.5°	472.0
55°	324.7
57.5°	219.1
60°	148.7
62.5°	103.0
65°	69.1
67.5°	35.2
70°	23.5
72.5°	22.2
75°	19.6
77.5°	13.0
80°	9.1
82.5°	6.5
85°	3.9
87.5°	2.6
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)