

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: P772396

Luminaire Tested: LD6D80BD010-EU6DR6570959027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772396  
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: LD6D80BD010-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: 8653.5 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

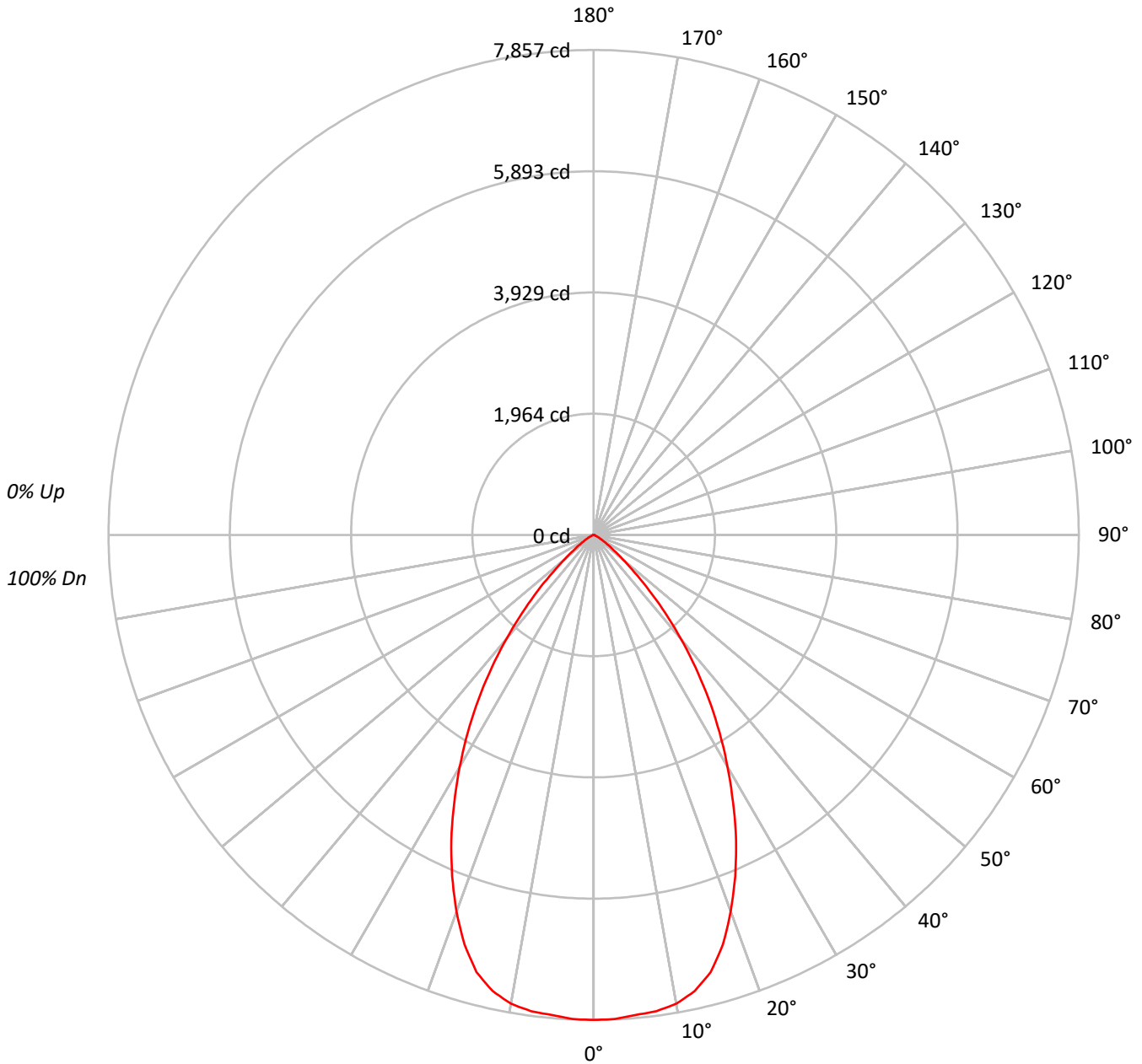
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P772396  
CATALOG NUMBER: LD6D80BD010-EU6DR6570959027-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P772396

CATALOG NUMBER: LD6D80BD010-EU6DR6570959027-6LBS1H

**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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

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

	0°
0°	458885
5°	457730
10°	457335
15°	443238
20°	403516
25°	351638
30°	292463
35°	231733
40°	167257
45°	105664
50°	55080
55°	29274
60°	15372
65°	8458
70°	3552
75°	3904
80°	2724
85°	2345

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 105664 cd/sqm



TEST NUMBER: P772396

CATALOG NUMBER: LD6D80BD010-EU6DR6570959027-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.0	8.6
10°-20°	2034.7	23.5
20°-30°	2487.1	28.7
30°-40°	2018.0	23.3
40°-50°	1005.6	11.6
50°-60°	280.5	3.2
60°-70°	63.7	0.7
70°-80°	16.6	0.2
80°-90°	4.3	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°	5264.9	60.8
0°-40°	7282.8	84.2
0°-60°	8568.9	99.0
0°-90°	8653.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8653.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7857	
5°	7808	743
15°	7331	2035
25°	5457	2487
35°	3250	2018
45°	1279	1006
55°	288	280
65°	61	64
75°	17	17
85°	4	4
90°	0	



TEST NUMBER: P772396

CATALOG NUMBER: LD6D80BD010-EU6DR6570959027-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7857.1
2.5°	7851.3
5°	7807.5
7.5°	7782.1
10°	7711.6
12.5°	7568.5
15°	7330.6
17.5°	6958.8
20°	6492.4
22.5°	5989.0
25°	5456.7
27.5°	4887.5
30°	4336.7
32.5°	3792.9
35°	3250.2
37.5°	2708.7
40°	2193.8
42.5°	1711.1
45°	1279.3
47.5°	891.4
50°	606.2
52.5°	418.0
55°	287.5
57.5°	194.0
60°	131.6
62.5°	91.2
65°	61.2
67.5°	31.2
70°	20.8
72.5°	19.6
75°	17.3
77.5°	11.5
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
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)