

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: P772408

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772408  
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-EU6DR6570959030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8277.2 lumens  
Efficiency: N/A  
Efficacy: 104.9 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

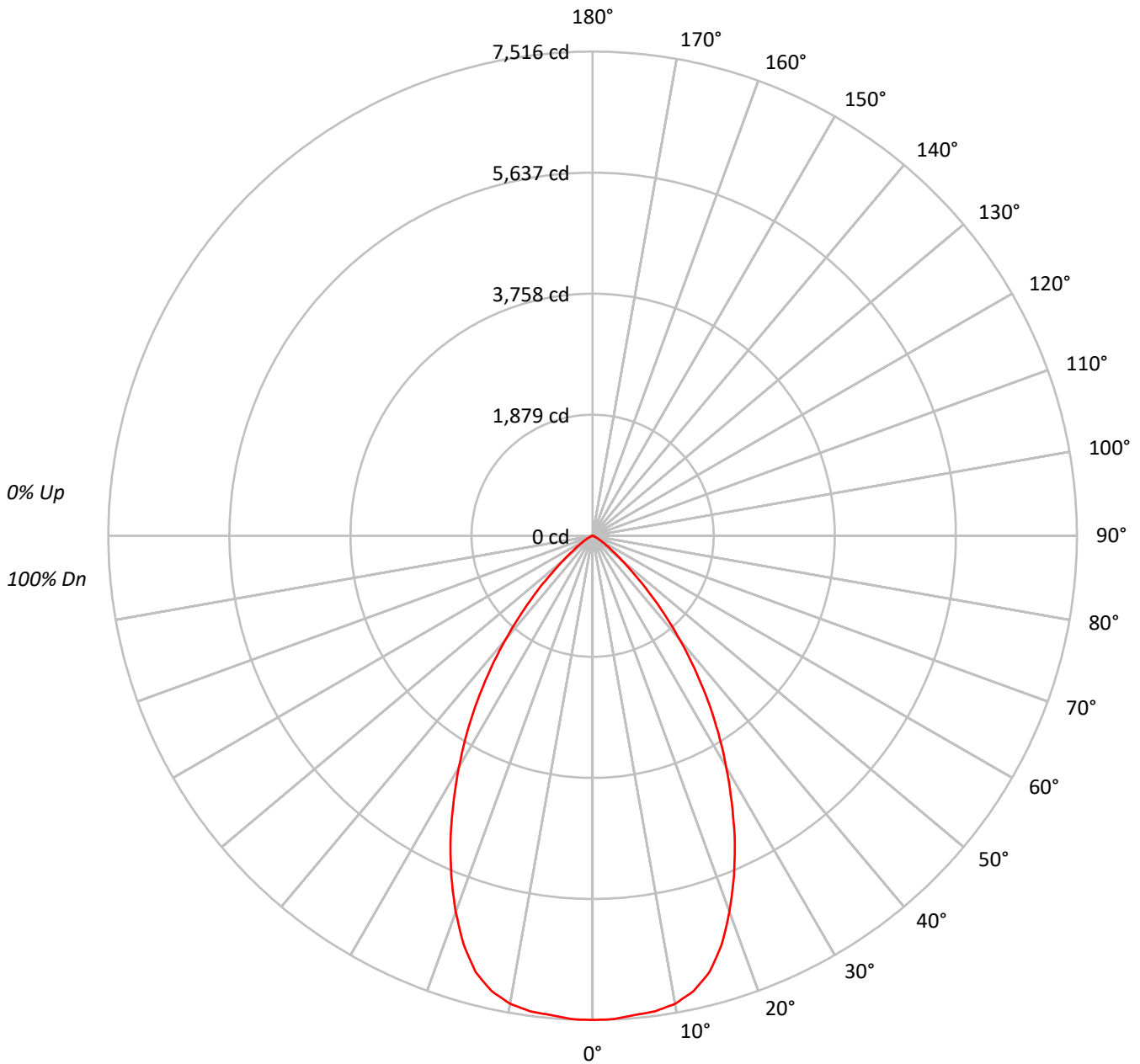


Downlight

TEST NUMBER: P772408

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P772408  
 CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1B

**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			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°	438934
5°	437826
10°	437450
15°	423968
20°	385971
25°	336346
30°	279750
35°	221658
40°	159984
45°	101072
50°	52681
55°	28002
60°	14706
65°	8084
70°	3398
75°	3746
80°	2590
85°	2211

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 101072 cd/sqm



TEST NUMBER: P772408

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	710.7	8.6
10°-20°	1946.2	23.5
20°-30°	2379.0	28.7
30°-40°	1930.2	23.3
40°-50°	961.9	11.6
50°-60°	268.3	3.2
60°-70°	60.9	0.7
70°-80°	15.9	0.2
80°-90°	4.0	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°	5036.0	60.8
0°-40°	6966.2	84.2
0°-60°	8196.3	99.0
0°-90°	8277.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8277.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7516	
5°	7468	711
15°	7012	1946
25°	5219	2379
35°	3109	1930
45°	1224	962
55°	275	268
65°	58	61
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P772408

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7515.5
2.5°	7510.0
5°	7468.0
7.5°	7443.7
10°	7376.3
12.5°	7239.4
15°	7011.9
17.5°	6656.3
20°	6210.1
22.5°	5728.6
25°	5219.4
27.5°	4675.0
30°	4148.2
32.5°	3628.0
35°	3108.9
37.5°	2590.9
40°	2098.4
42.5°	1636.7
45°	1223.7
47.5°	852.6
50°	579.8
52.5°	399.8
55°	275.0
57.5°	185.5
60°	125.9
62.5°	87.2
65°	58.5
67.5°	29.8
70°	19.9
72.5°	18.8
75°	16.6
77.5°	11.0
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
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)