

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: P768924

Luminaire Tested: LD6D60D010-EU6DR4055659040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D60D010-EU6DR4055659040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7815.8 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

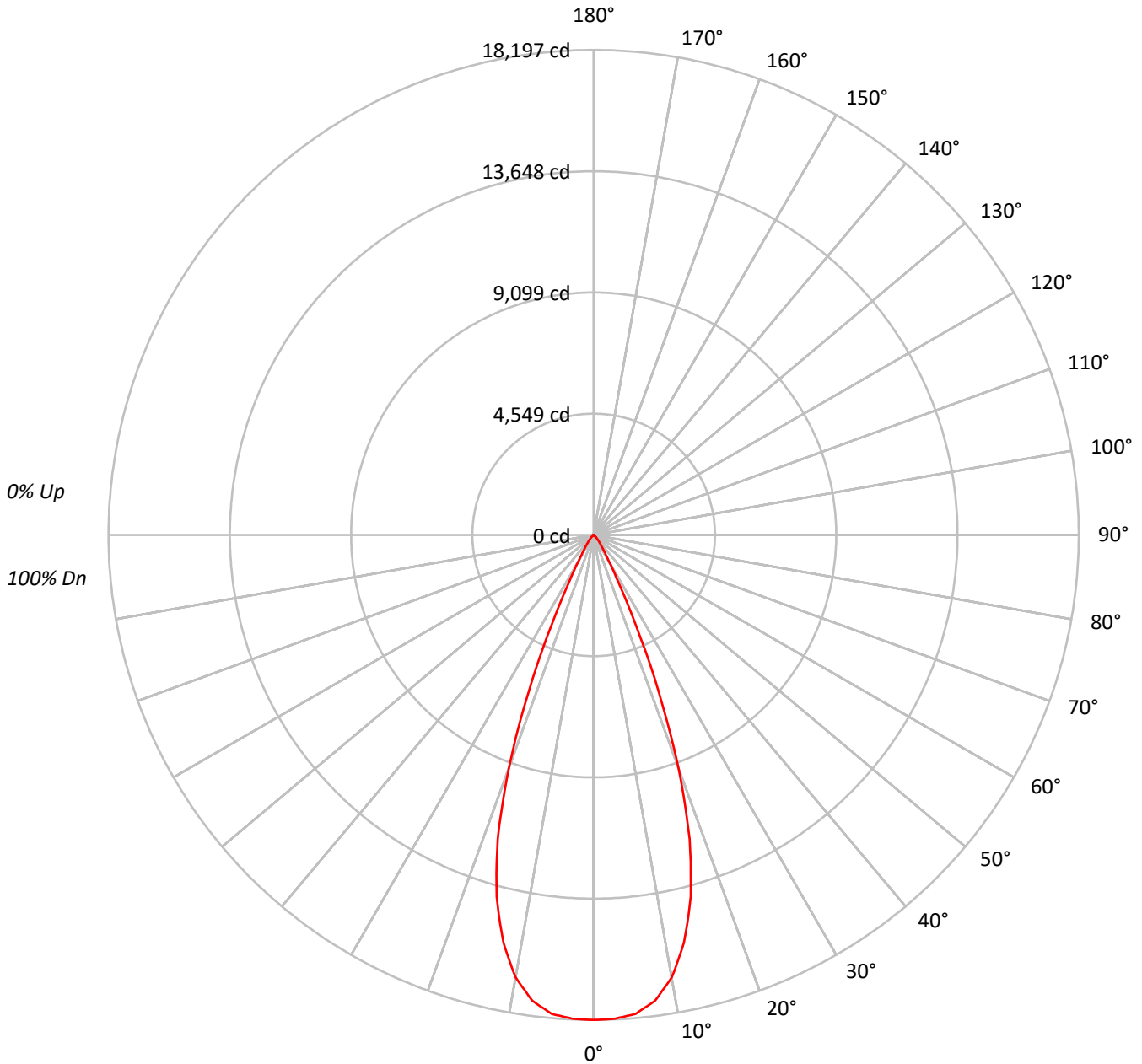
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P768924  
CATALOG NUMBER: LD6D60D010-EU6DR4055659040-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P768924

CATALOG NUMBER: LD6D60D010-EU6DR4055659040-6LBS1B

**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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67

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

	0°
0°	1988240
5°	1978582
10°	1870188
15°	1589900
20°	1083628
25°	452133
30°	142161
35°	66078
40°	36542
45°	16750
50°	8125
55°	4457
60°	2316
65°	827
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16750 cd/sqm



TEST NUMBER: P768924

CATALOG NUMBER: LD6D60D010-EU6DR4055659040-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1684.5	21.6
10°-20°	3773.7	48.3
20°-30°	1889.0	24.2
30°-40°	346.3	4.4
40°-50°	95.5	1.2
50°-60°	22.4	0.3
60°-70°	4.3	0.1
70°-80°	0.1	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°	7347.1	94.0
0°-40°	7693.4	98.4
0°-60°	7811.3	99.9
0°-90°	7815.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7815.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18197	
5°	18040	###
15°	14056	3774
25°	3750	1889
35°	495	346
45°	108	96
55°	23	22
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768924

CATALOG NUMBER: LD6D60D010-EU6DR4055659040-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18197.2
2.5°	18170.6
5°	18039.9
7.5°	17623.2
10°	16856.7
12.5°	15661.8
15°	14055.6
17.5°	11966.7
20°	9319.7
22.5°	6353.8
25°	3750.4
27.5°	1982.6
30°	1126.8
32.5°	728.2
35°	495.4
37.5°	354.0
40°	256.2
42.5°	175.4
45°	108.4
47.5°	69.1
50°	47.8
52.5°	34.0
55°	23.4
57.5°	14.9
60°	10.6
62.5°	6.4
65°	3.2
67.5°	2.1
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)