

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: P769268

Luminaire Tested: LD6D60D010-EU6DR6555659027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769268  
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: LD6D60D010-EU6DR6555659027-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

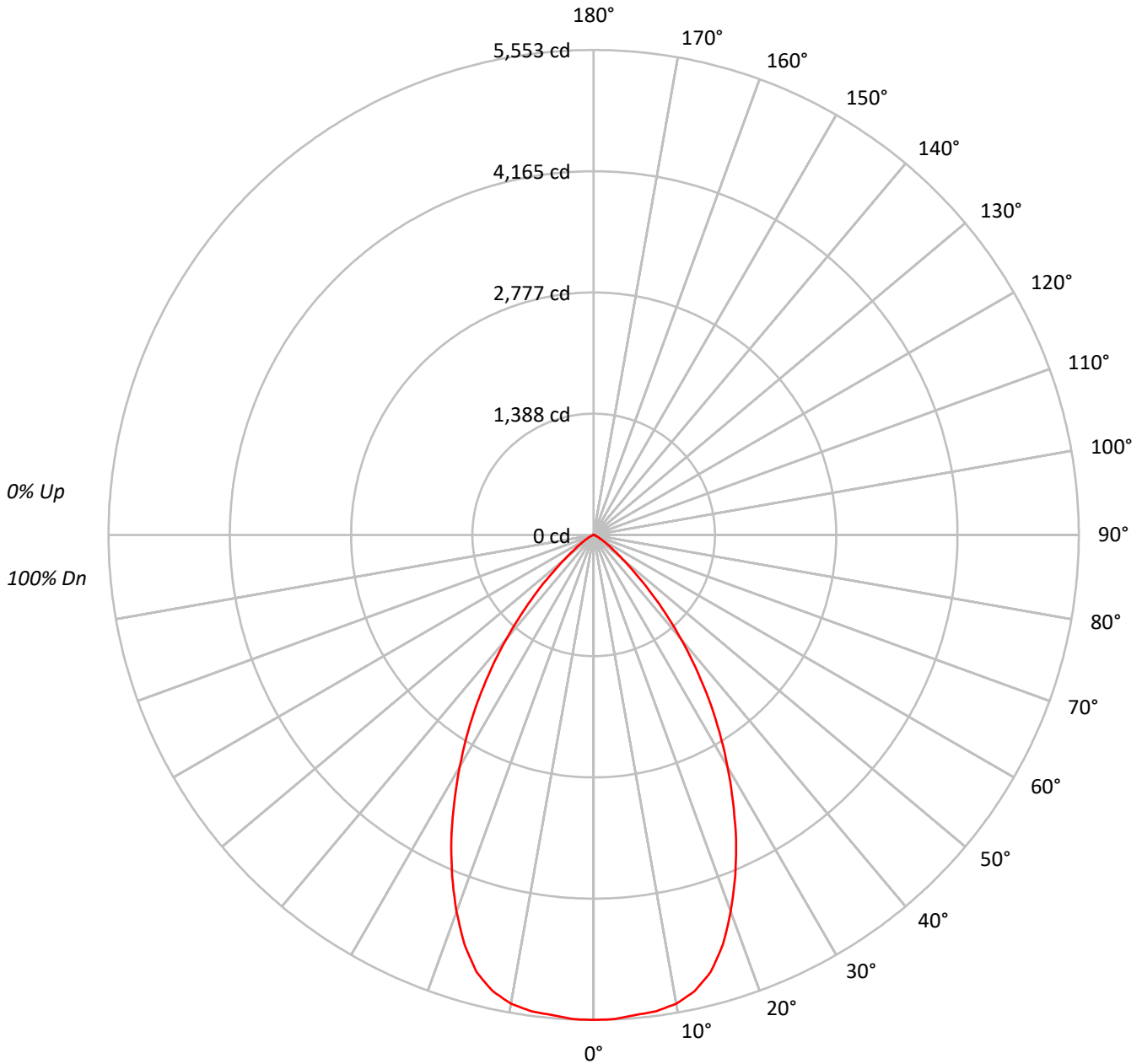
Lumens per Lamp: N/A  
Luminaire Lumens: 6115.6 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): 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



TEST NUMBER: P769268  
CATALOG NUMBER: LD6D60D010-EU6DR6555659027-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P769268  
 CATALOG NUMBER: LD6D60D010-EU6DR6555659027-6LBCSSQMB

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

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	324305
5°	323486
10°	323211
15°	313247
20°	285172
25°	248512
30°	206694
35°	163771
40°	118204
45°	74675
50°	38925
55°	20691
60°	10863
65°	5970
70°	2510
75°	2753
80°	1917
85°	1608

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74675 cd/sqm



TEST NUMBER: P769268

CATALOG NUMBER: LD6D60D010-EU6DR6555659027-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.1	8.6
10°-20°	1438.0	23.5
20°-30°	1757.7	28.7
30°-40°	1426.1	23.3
40°-50°	710.7	11.6
50°-60°	198.2	3.2
60°-70°	45.0	0.7
70°-80°	11.7	0.2
80°-90°	3.0	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°	3720.8	60.8
0°-40°	5146.9	84.2
0°-60°	6055.8	99.0
0°-90°	6115.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6115.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5553	
5°	5518	525
15°	5181	1438
25°	3856	1758
35°	2297	1426
45°	904	711
55°	203	198
65°	43	45
75°	12	12
85°	2	3
90°	0	



TEST NUMBER: P769268

CATALOG NUMBER: LD6D60D010-EU6DR6555659027-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5552.8
2.5°	5548.7
5°	5517.7
7.5°	5499.8
10°	5450.0
12.5°	5348.8
15°	5180.7
17.5°	4918.0
20°	4588.3
22.5°	4232.5
25°	3856.4
27.5°	3454.1
30°	3064.9
32.5°	2680.5
35°	2297.0
37.5°	1914.3
40°	1550.4
42.5°	1209.3
45°	904.1
47.5°	629.9
50°	428.4
52.5°	295.4
55°	203.2
57.5°	137.1
60°	93.0
62.5°	64.5
65°	43.2
67.5°	22.0
70°	14.7
72.5°	13.9
75°	12.2
77.5°	8.2
80°	5.7
82.5°	4.1
85°	2.4
87.5°	1.6
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)