

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: P767697

Luminaire Tested: LD6D50D010-EU6DR6540509024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767697  
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: LD6D50D010-EU6DR6540509024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

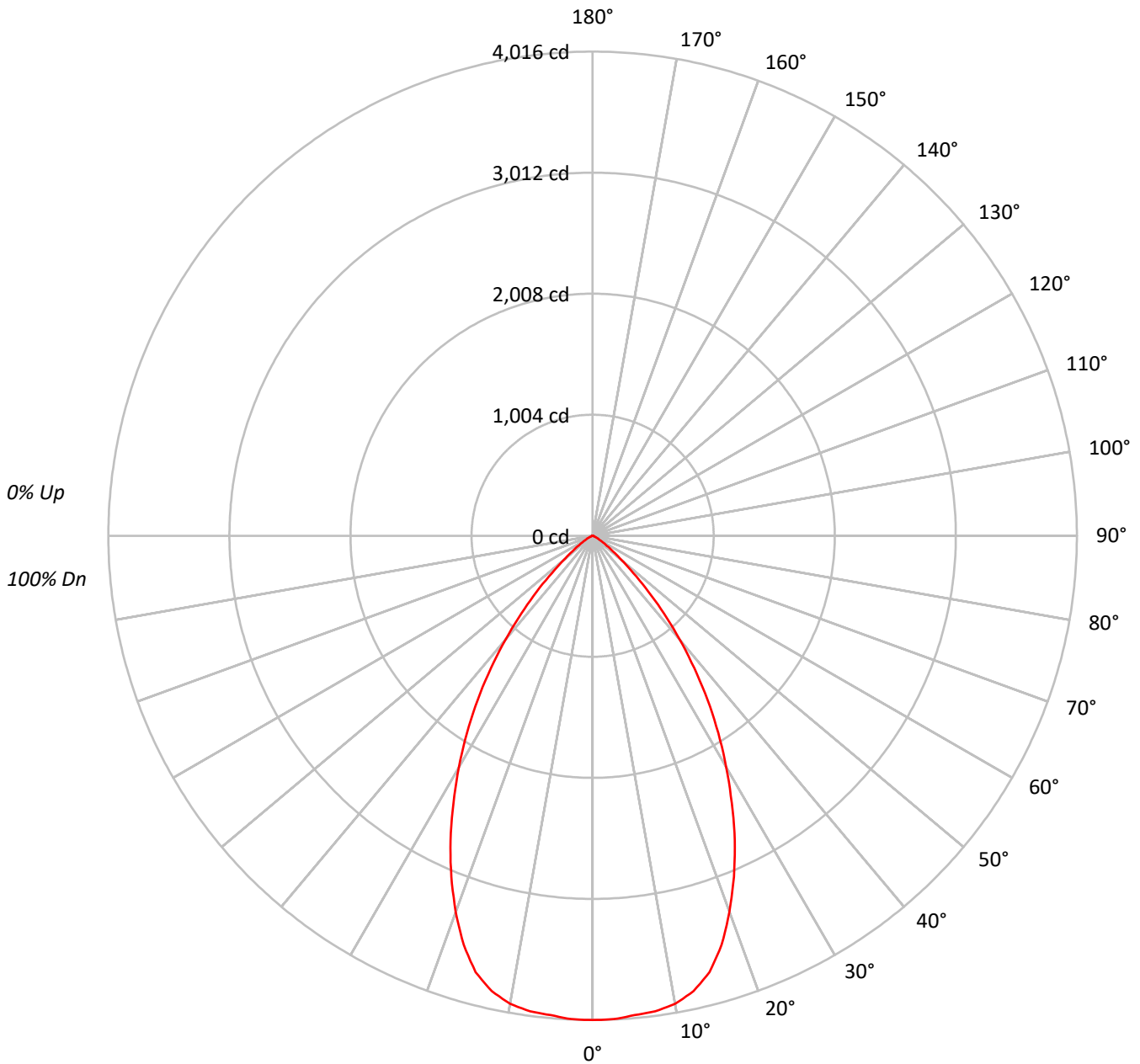
Lumens per Lamp: N/A  
Luminaire Lumens: 4423.5 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 47  
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: P767697  
CATALOG NUMBER: LD6D50D010-EU6DR6540509024-6LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P767697

CATALOG NUMBER: LD6D50D010-EU6DR6540509024-6LBCSSQMW

**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																			
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°	234573
5°	233980
10°	233780
15°	226577
20°	206270
25°	179753
30°	149499
35°	118462
40°	85496
45°	54017
50°	28158
55°	14968
60°	7861
65°	4326
70°	1810
75°	2008
80°	1379
85°	1206

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 54017 cd/sqm



TEST NUMBER: P767697

CATALOG NUMBER: LD6D50D010-EU6DR6540509024-6LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.8	8.6
10°-20°	1040.1	23.5
20°-30°	1271.4	28.7
30°-40°	1031.6	23.3
40°-50°	514.0	11.6
50°-60°	143.4	3.2
60°-70°	32.6	0.7
70°-80°	8.5	0.2
80°-90°	2.2	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°	2691.3	60.8
0°-40°	3722.9	84.2
0°-60°	4380.3	99.0
0°-90°	4423.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4423.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4016	
5°	3991	380
15°	3747	1040
25°	2789	1271
35°	1662	1032
45°	654	514
55°	147	143
65°	31	33
75°	9	8
85°	2	2
90°	0	



TEST NUMBER: P767697

CATALOG NUMBER: LD6D50D010-EU6DR6540509024-6LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4016.4
2.5°	4013.5
5°	3991.0
7.5°	3978.1
10°	3942.0
12.5°	3868.9
15°	3747.3
17.5°	3557.2
20°	3318.8
22.5°	3061.4
25°	2789.4
27.5°	2498.4
30°	2216.8
32.5°	1938.9
35°	1661.5
37.5°	1384.6
40°	1121.4
42.5°	874.7
45°	654.0
47.5°	455.6
50°	309.9
52.5°	213.7
55°	147.0
57.5°	99.2
60°	67.3
62.5°	46.6
65°	31.3
67.5°	15.9
70°	10.6
72.5°	10.0
75°	8.9
77.5°	5.9
80°	4.1
82.5°	3.0
85°	1.8
87.5°	1.2
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)