

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: P769322

Luminaire Tested: LD6D60D010-EU6DR6555659050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769322  
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-EU6DR6555659050-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

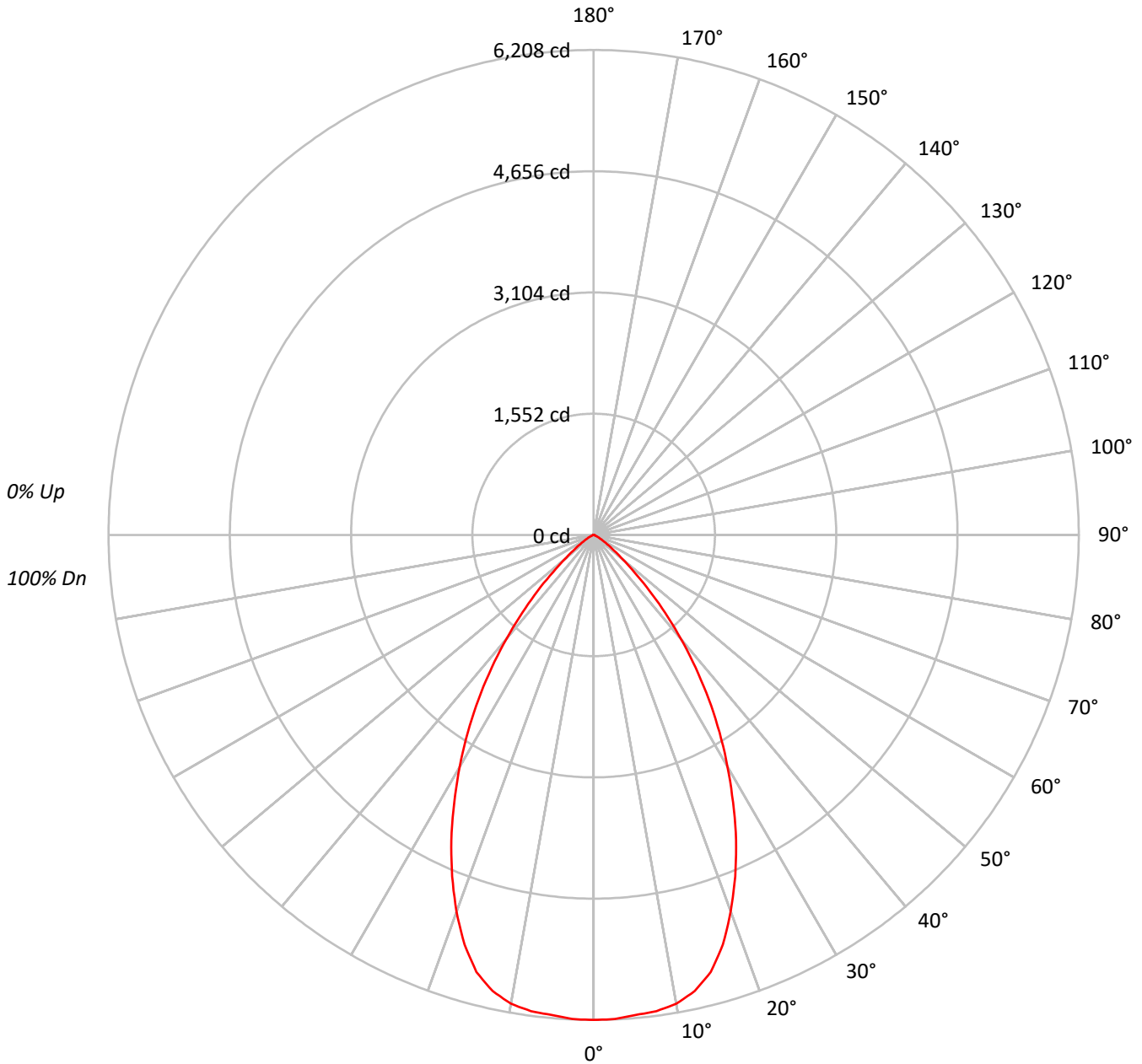
Lumens per Lamp: N/A  
Luminaire Lumens: 6837.4 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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: P769322  
CATALOG NUMBER: LD6D60D010-EU6DR6555659050-6LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P769322

CATALOG NUMBER: LD6D60D010-EU6DR6555659050-6LBCSSQMW

**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			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°	362577
5°	361664
10°	361356
15°	350214
20°	318828
25°	277840
30°	231086
35°	183100
40°	132148
45°	83488
50°	43522
55°	23134
60°	12148
65°	6689
70°	2800
75°	3091
80°	2153
85°	1809

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 83488 cd/sqm



TEST NUMBER: P769322

CATALOG NUMBER: LD6D60D010-EU6DR6555659050-6LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.1	8.6
10°-20°	1607.7	23.5
20°-30°	1965.1	28.7
30°-40°	1594.5	23.3
40°-50°	794.5	11.6
50°-60°	221.6	3.2
60°-70°	50.4	0.7
70°-80°	13.1	0.2
80°-90°	3.3	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°	4159.9	60.8
0°-40°	5754.4	84.2
0°-60°	6770.5	99.0
0°-90°	6837.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6837.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6208	
5°	6169	587
15°	5792	1608
25°	4312	1965
35°	2568	1594
45°	1011	795
55°	227	222
65°	48	50
75°	14	13
85°	3	3
90°	0	



TEST NUMBER: P769322

CATALOG NUMBER: LD6D60D010-EU6DR6555659050-6LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6208.1
2.5°	6203.6
5°	6168.9
7.5°	6148.8
10°	6093.2
12.5°	5980.0
15°	5792.1
17.5°	5498.4
20°	5129.8
22.5°	4732.0
25°	4311.5
27.5°	3861.7
30°	3426.6
32.5°	2996.9
35°	2568.1
37.5°	2140.2
40°	1733.3
42.5°	1352.0
45°	1010.8
47.5°	704.3
50°	479.0
52.5°	330.2
55°	227.2
57.5°	153.3
60°	104.0
62.5°	72.1
65°	48.4
67.5°	24.6
70°	16.4
72.5°	15.5
75°	13.7
77.5°	9.1
80°	6.4
82.5°	4.6
85°	2.7
87.5°	1.8
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)