

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: P768578

Luminaire Tested: LD6D55D010-EU6DR7055659027-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR7055659027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

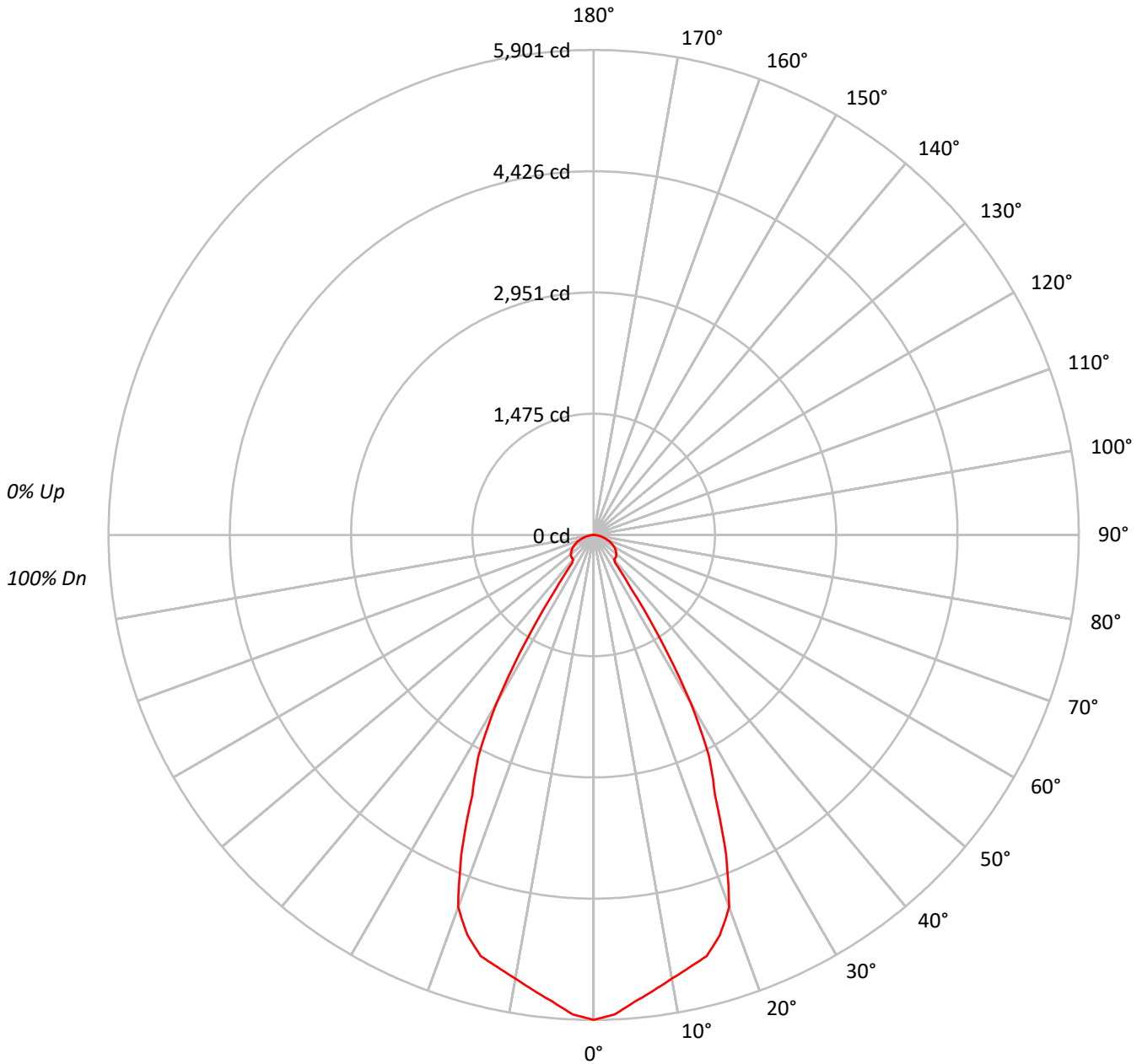
Lumens per Lamp: N/A  
Luminaire Lumens: 5248.3 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.2  
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: P768578  
CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P768578

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBSQW1MW

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	644704
5°	625549
10°	608108
15°	600132
20°	560400
25°	421005
30°	297607
35°	105426
40°	55426
45°	59041
50°	61142
55°	62290
60°	62672
65°	61350
70°	57886
75°	53655
80°	47631
85°	38612

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 62693 cd/sqm



TEST NUMBER: P768578

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	538.0	10.3
10°-20°	1475.6	28.1
20°-30°	1625.2	31.0
30°-40°	620.9	11.8
40°-50°	293.2	5.6
50°-60°	291.5	5.6
60°-70°	233.4	4.4
70°-80°	134.1	2.6
80°-90°	36.5	0.7
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°	3638.7	69.3
0°-40°	4259.7	81.2
0°-60°	4844.3	92.3
0°-90°	5248.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5248.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5901	
5°	5704	538
15°	5306	1476
25°	3492	1625
35°	790	621
45°	382	293
55°	327	291
65°	237	233
75°	127	134
85°	31	36
90°	0	



TEST NUMBER: P768578

CATALOG NUMBER: LD6D55D010-EU6DR7055659027-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5900.6
2.5°	5839.0
5°	5703.5
7.5°	5590.5
10°	5481.1
12.5°	5388.7
15°	5305.5
17.5°	5104.6
20°	4819.7
22.5°	4205.0
25°	3492.2
27.5°	3040.0
30°	2358.9
32.5°	1523.7
35°	790.4
37.5°	426.9
40°	388.6
42.5°	385.8
45°	382.1
47.5°	373.7
50°	359.7
52.5°	343.8
55°	327.0
57.5°	308.3
60°	286.8
62.5°	262.5
65°	237.3
67.5°	209.3
70°	181.2
72.5°	153.2
75°	127.1
77.5°	100.0
80°	75.7
82.5°	53.3
85°	30.8
87.5°	12.1
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)