

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: P763679

Luminaire Tested: LD6D25D010-EU6DR6520359035-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763679  
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: LD6D25D010-EU6DR6520359035-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2634.1 lumens  
Efficiency: N/A  
Efficacy: 104.9 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): 25.1  
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



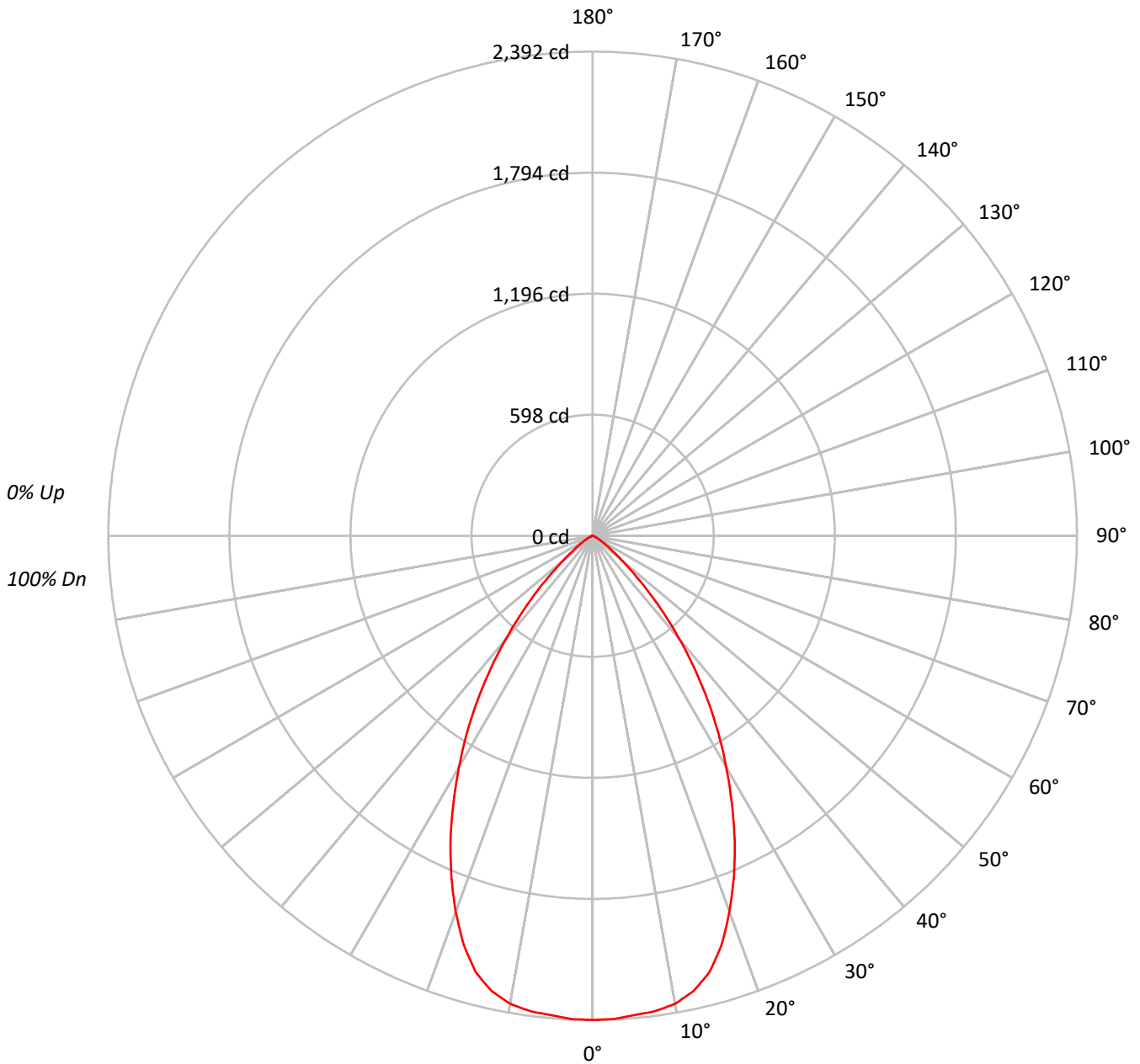
Downlight



TEST NUMBER: P763679

CATALOG NUMBER: LD6D25D010-EU6DR6520359035-6LBCSSQMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P763679

CATALOG NUMBER: LD6D25D010-EU6DR6520359035-6LBCSSQMMS

**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°	139685
5°	139327
10°	139212
15°	134920
20°	122831
25°	107037
30°	89026
35°	70542
40°	50914
45°	32163
50°	16764
55°	8910
60°	4672
65°	2570
70°	1076
75°	1196
80°	841
85°	670

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 32163 cd/sqm



TEST NUMBER: P763679

CATALOG NUMBER: LD6D25D010-EU6DR6520359035-6LBCSSQMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.2	8.6
10°-20°	619.4	23.5
20°-30°	757.1	28.7
30°-40°	614.3	23.3
40°-50°	306.1	11.6
50°-60°	85.4	3.2
60°-70°	19.4	0.7
70°-80°	5.1	0.2
80°-90°	1.3	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°	1602.6	60.8
0°-40°	2216.9	84.2
0°-60°	2608.4	99.0
0°-90°	2634.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2634.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2392	
5°	2376	226
15°	2231	619
25°	1661	757
35°	989	614
45°	389	306
55°	88	85
65°	19	19
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P763679

CATALOG NUMBER: LD6D25D010-EU6DR6520359035-6LBCSSQMMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2391.7
2.5°	2389.9
5°	2376.5
7.5°	2368.8
10°	2347.4
12.5°	2303.8
15°	2231.4
17.5°	2118.3
20°	1976.3
22.5°	1823.0
25°	1661.0
27.5°	1487.7
30°	1320.1
32.5°	1154.6
35°	989.4
37.5°	824.5
40°	667.8
42.5°	520.9
45°	389.4
47.5°	271.3
50°	184.5
52.5°	127.3
55°	87.5
57.5°	59.1
60°	40.0
62.5°	27.8
65°	18.6
67.5°	9.5
70°	6.3
72.5°	6.0
75°	5.3
77.5°	3.5
80°	2.5
82.5°	1.8
85°	1.0
87.5°	0.7
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)