

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: P762937

Luminaire Tested: LD6D25D010-EU6DR2015309024-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762937  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D25D010-EU6DR2015309024-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2450.0 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' 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

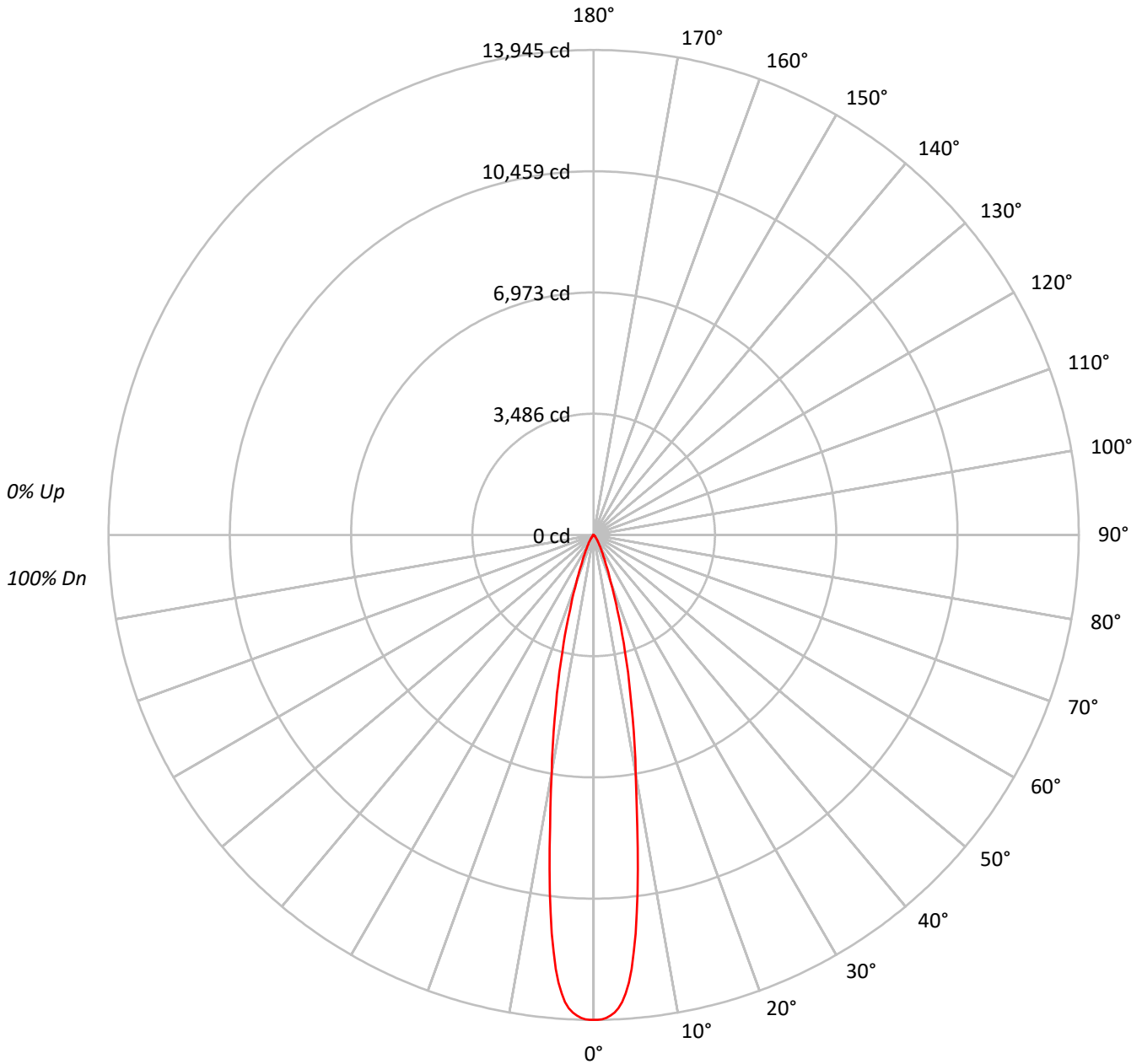


Downlight



TEST NUMBER: P762937  
CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P762937

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBCSSQMB

**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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	75															

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

	0°
0°	1523619
5°	1374585
10°	771498
15°	392159
20°	166038
25°	76649
30°	40574
35°	21861
40°	11696
45°	6907
50°	4012
55°	2133
60°	1355
65°	957
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6907 cd/sqm



TEST NUMBER: P762937

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	992.8	40.5
10°-20°	977.6	39.9
20°-30°	319.4	13.0
30°-40°	108.7	4.4
40°-50°	36.6	1.5
50°-60°	11.0	0.4
60°-70°	3.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	2289.8	93.5
0°-40°	2398.6	97.9
0°-60°	2446.2	99.8
0°-90°	2450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13945	
5°	12533	993
15°	3467	978
25°	636	319
35°	164	109
45°	45	37
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762937

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13944.8
0.5°	13944.8
1°	13927.4
1.5°	13892.6
2°	13829.3
2.5°	13744.8
3°	13625.6
3.5°	13459.2
4°	13212.1
4.5°	12911.6
5°	12532.9
5.5°	12035.0
6°	11524.6
6.5°	10939.7
7°	10367.3
7.5°	9696.8
8°	9098.2
8.5°	8496.0
9°	7939.7
9.5°	7429.3
10°	6953.8
12.5°	4993.0
15°	3466.9
17.5°	2264.9
20°	1428.0
22.5°	925.1
25°	635.8
27.5°	447.0
30°	321.6
32.5°	231.0
35°	163.9
37.5°	114.2
40°	82.0
42.5°	59.6
45°	44.7
47.5°	34.8
50°	23.6
52.5°	14.9
55°	11.2
57.5°	8.7
60°	6.2
62.5°	5.0
65°	3.7



TEST NUMBER: P762937

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBCSSQMB

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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





— 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



67.5°		2.5
70°		1.2

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)