

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: P763873

Luminaire Tested: LD6D30D010-EU6DR2015309024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763873
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: LD6D30D010-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: 2753.7 lumens
Efficiency: N/A
Efficacy: 95.0 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): 29
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

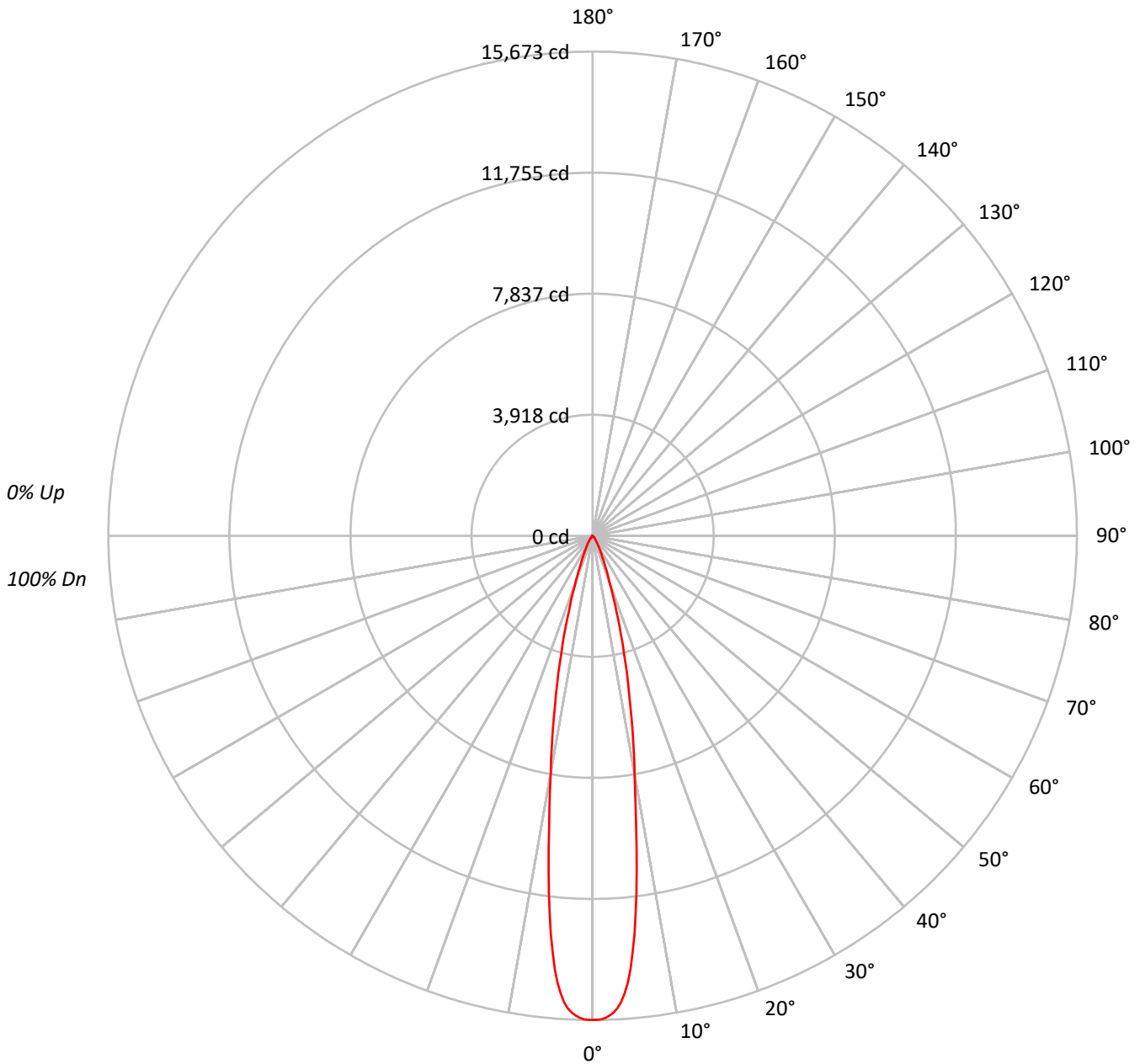


Downlight



TEST NUMBER: P763873
CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P763873

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBCSSQMB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1712488
5°	1544981
10°	867123
15°	440775
20°	186618
25°	86149
30°	45608
35°	24569
40°	13136
45°	7757
50°	4504
55°	2400
60°	1530
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7757 cd/sqm



TEST NUMBER: P763873

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1115.9	40.5
10°-20°	1098.8	39.9
20°-30°	359.0	13.0
30°-40°	122.2	4.4
40°-50°	41.1	1.5
50°-60°	12.4	0.4
60°-70°	4.1	0.2
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°	2573.7	93.5
0°-40°	2695.9	97.9
0°-60°	2749.4	99.8
0°-90°	2753.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2753.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15673	
5°	14086	###
15°	3897	1099
25°	715	359
35°	184	122
45°	50	41
55°	13	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763873
CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	15673.4
0.5°	15673.4
1°	15653.8
1.5°	15614.7
2°	15543.6
2.5°	15448.7
3°	15314.7
3.5°	15127.6
4°	14849.9
4.5°	14512.2
5°	14086.5
5.5°	13526.8
6°	12953.2
6.5°	12295.8
7°	11652.4
7.5°	10898.8
8°	10226.1
8.5°	9549.2
9°	8923.9
9.5°	8350.3
10°	7815.7
12.5°	5612.0
15°	3896.7
17.5°	2545.7
20°	1605.0
22.5°	1039.8
25°	714.6
27.5°	502.4
30°	361.5
32.5°	259.6
35°	184.2
37.5°	128.4
40°	92.1
42.5°	67.0
45°	50.2
47.5°	39.1
50°	26.5
52.5°	16.7
55°	12.6
57.5°	9.8
60°	7.0
62.5°	5.6
65°	4.2



TEST NUMBER: P763873
CATALOG NUMBER: LD6D30D010-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





67.5°		2.8
70°		1.4

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

Scaled Data Report



(END OF REPORT)