

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: P760011

Luminaire Tested: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760011
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: LD6D10D010-EU6DR200210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 885.5 lumens
Efficiency: N/A
Efficacy: 75.7 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): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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

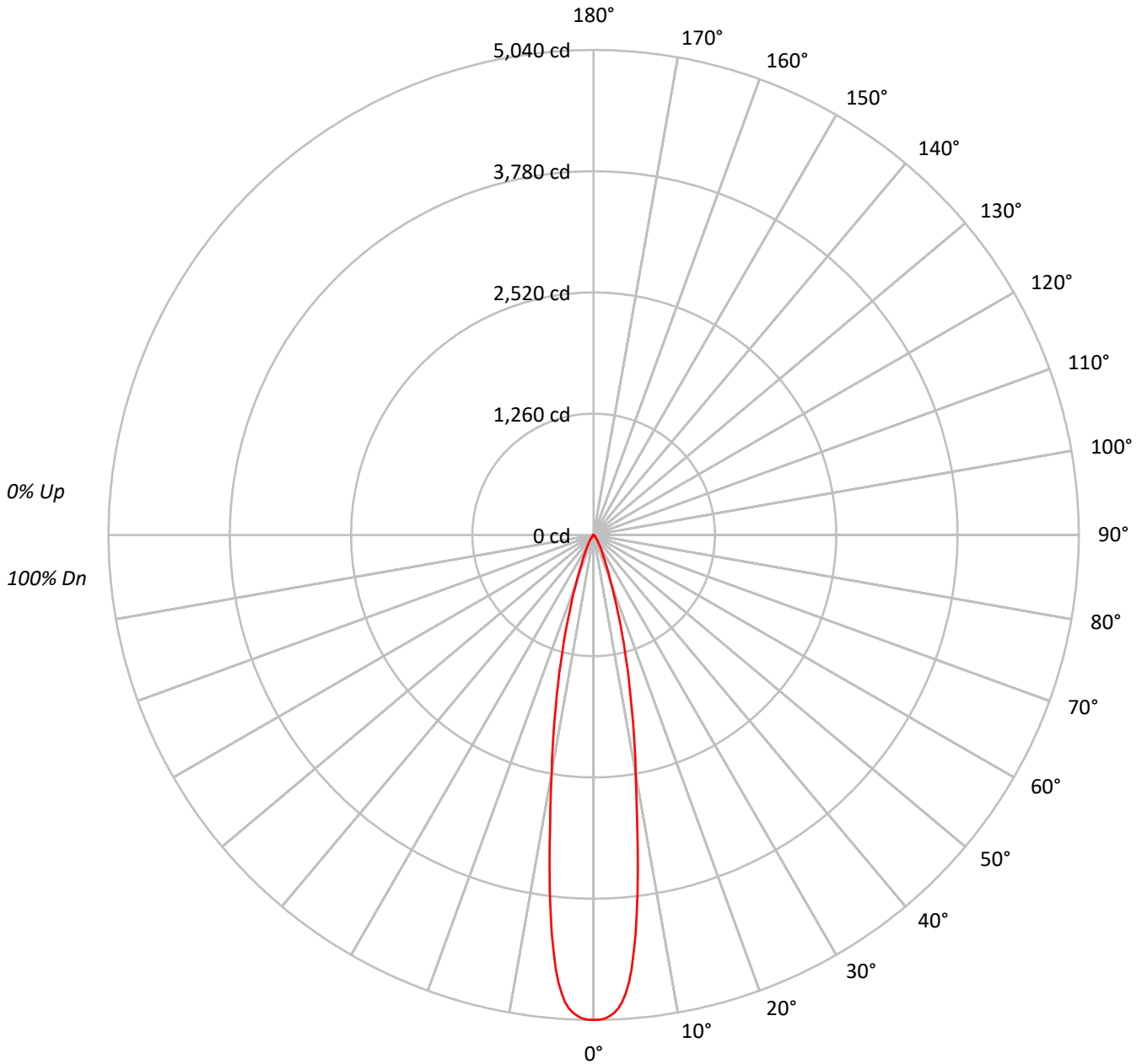


Downlight



TEST NUMBER: P760011
CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760011

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	550707
5°	496842
10°	278852
15°	141744
20°	60008
25°	27704
30°	14660
35°	7896
40°	4222
45°	2503
50°	1445
55°	762
60°	481
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2503 cd/sqm



TEST NUMBER: P760011

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.9	40.5
10°-20°	353.4	39.9
20°-30°	115.4	13.0
30°-40°	39.3	4.4
40°-50°	13.2	1.5
50°-60°	4.0	0.4
60°-70°	1.3	0.1
70°-80°	0.1	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°	827.7	93.5
0°-40°	867.0	97.9
0°-60°	884.1	99.8
0°-90°	885.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	885.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5040	
5°	4530	359
15°	1253	353
25°	230	115
35°	59	39
45°	16	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P760011

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5040.3
0.5°	5040.3
1°	5034.0
1.5°	5021.5
2°	4998.6
2.5°	4968.1
3°	4925.0
3.5°	4864.8
4°	4775.5
4.5°	4666.9
5°	4530.0
5.5°	4350.0
6°	4165.6
6.5°	3954.2
7°	3747.2
7.5°	3504.9
8°	3288.5
8.5°	3070.9
9°	2869.8
9.5°	2685.3
10°	2513.4
12.5°	1804.7
15°	1253.1
17.5°	818.7
20°	516.1
22.5°	334.4
25°	229.8
27.5°	161.6
30°	116.2
32.5°	83.5
35°	59.2
37.5°	41.3
40°	29.6
42.5°	21.5
45°	16.2
47.5°	12.6
50°	8.5
52.5°	5.4
55°	4.0
57.5°	3.1
60°	2.2
62.5°	1.8
65°	1.3



TEST NUMBER: P760011

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBDP1MW

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



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°		0.9
70°		0.4

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

Scaled Data Report



(END OF REPORT)