

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: P760778

Luminaire Tested: LD6D10D010-EU6DR650210IC9050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR650210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 842.3 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



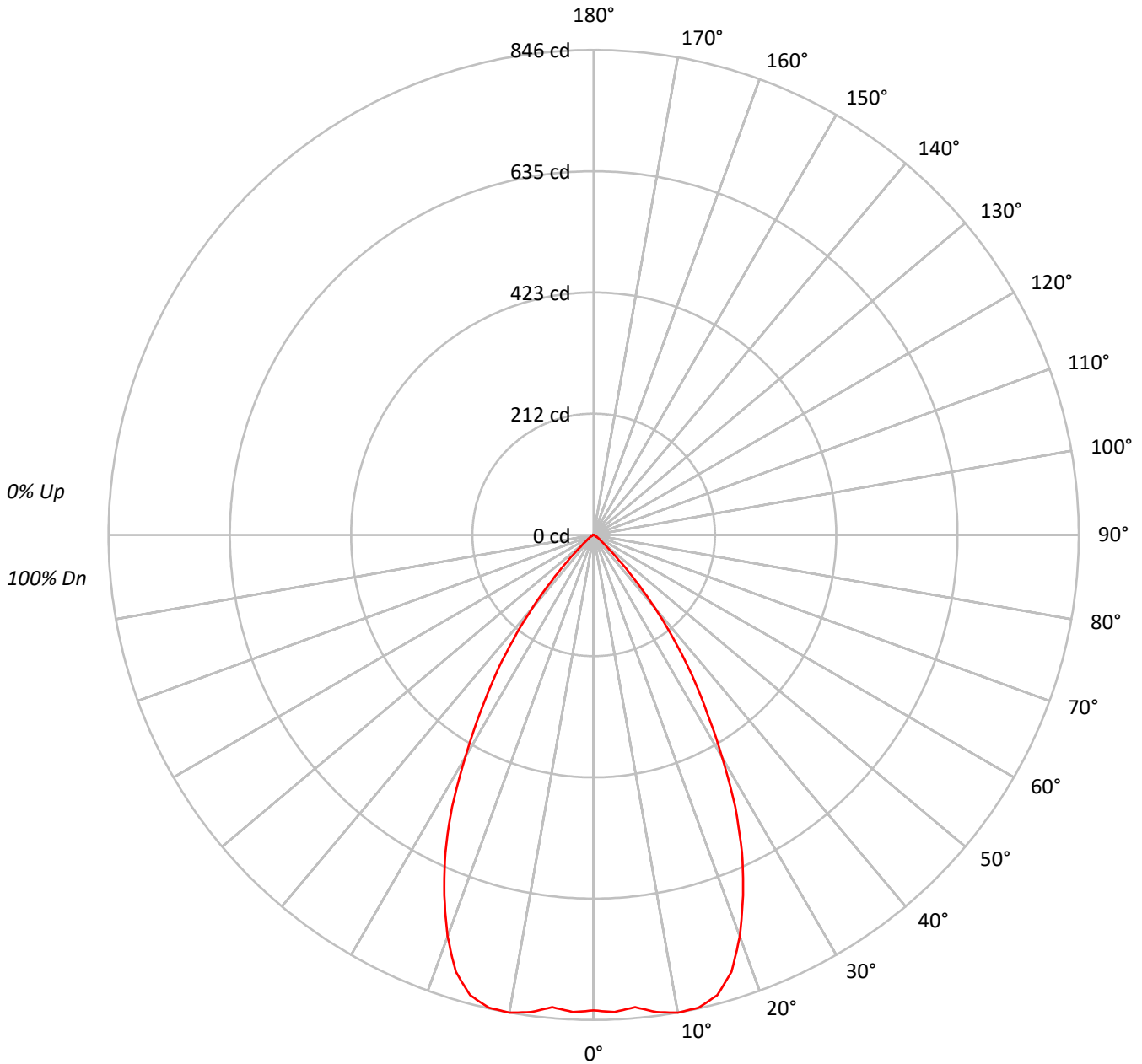
Downlight



TEST NUMBER: P760778

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760778

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90621
5°	90693
10°	93883
15°	94044
20°	86588
25°	73768
30°	56471
35°	39895
40°	23548
45°	9565
50°	3468
55°	1924
60°	1093
65°	595
70°	639
75°	507
80°	503
85°	376

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9565 cd/sqm



TEST NUMBER: P760778

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	9.5
10°-20°	230.4	27.3
20°-30°	276.4	32.8
30°-40°	185.7	22.1
40°-50°	55.6	6.6
50°-60°	9.8	1.2
60°-70°	2.8	0.3
70°-80°	1.4	0.2
80°-90°	0.4	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°	586.6	69.6
0°-40°	772.4	91.7
0°-60°	837.8	99.5
0°-90°	842.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	829	
5°	827	80
15°	831	230
25°	612	276
35°	299	186
45°	62	56
55°	10	10
65°	2	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P760778

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	829.4
2.5°	832.9
5°	826.9
7.5°	839.4
10°	846.2
12.5°	844.6
15°	831.4
17.5°	799.1
20°	744.7
22.5°	680.6
25°	611.9
27.5°	534.5
30°	447.6
32.5°	368.9
35°	299.1
37.5°	230.2
40°	165.1
42.5°	107.8
45°	61.9
47.5°	32.8
50°	20.4
52.5°	14.2
55°	10.1
57.5°	7.3
60°	5.0
62.5°	3.3
65°	2.3
67.5°	2.1
70°	2.0
72.5°	1.5
75°	1.2
77.5°	1.1
80°	0.8
82.5°	0.6
85°	0.3
87.5°	0.2
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)