

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: P760776

Luminaire Tested: LD6D10D010-EU6DR650210IC9050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760776
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-EU6DR650210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 976.4 lumens
Efficiency: N/A
Efficacy: 83.5 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 (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



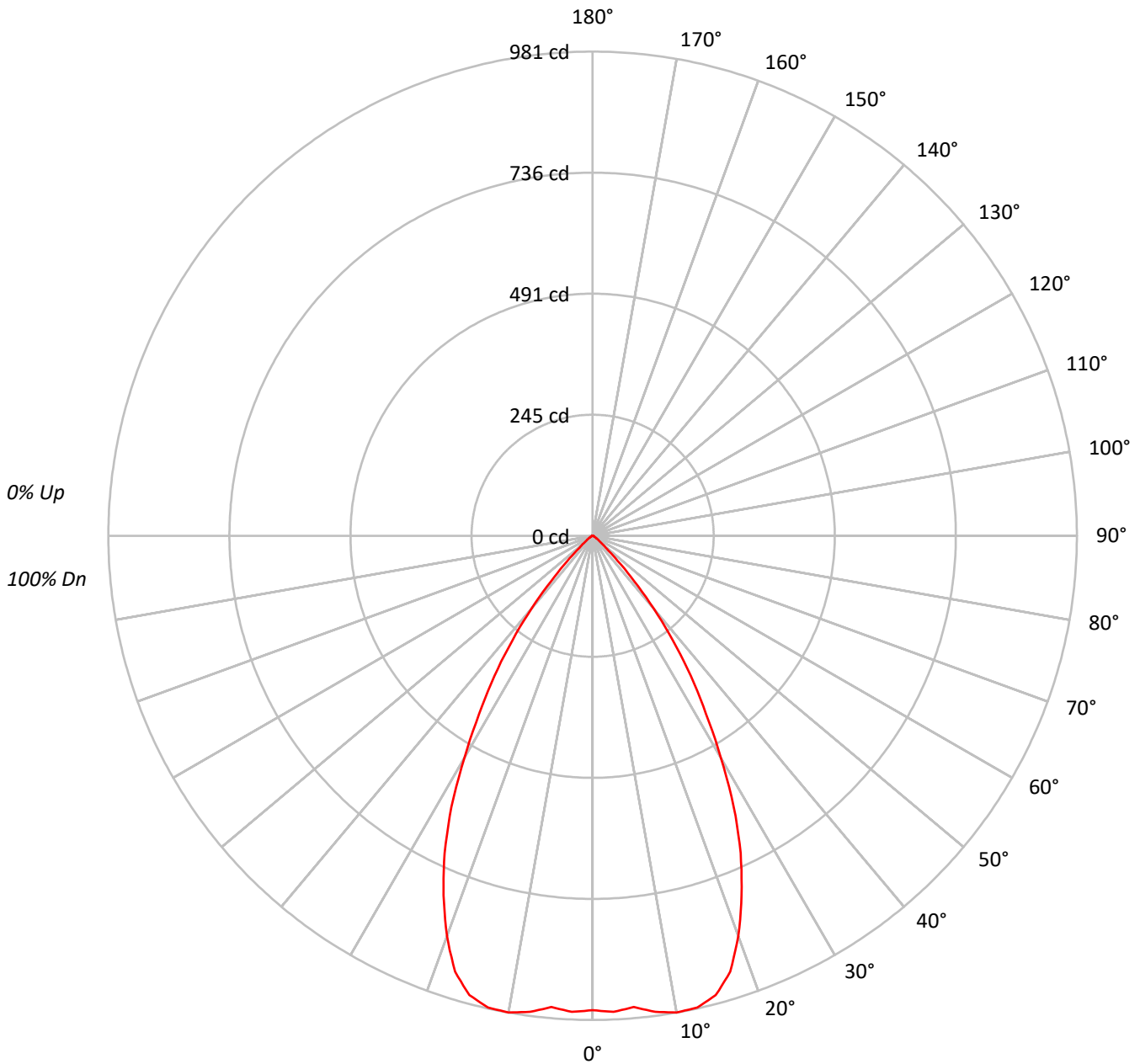
Downlight



TEST NUMBER: P760776

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P760776

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1H

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	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°	105032
5°	105116
10°	108816
15°	108998
20°	100355
25°	85510
30°	65454
35°	46244
40°	27299
45°	11079
50°	4012
55°	2229
60°	1289
65°	724
70°	735
75°	591
80°	629
85°	501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11079 cd/sqm



TEST NUMBER: P760776

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	9.5
10°-20°	267.0	27.3
20°-30°	320.4	32.8
30°-40°	215.3	22.0
40°-50°	64.4	6.6
50°-60°	11.4	1.2
60°-70°	3.3	0.3
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	679.9	69.6
0°-40°	895.2	91.7
0°-60°	971.0	99.5
0°-90°	976.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	976.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	961	
5°	958	93
15°	964	267
25°	709	320
35°	347	215
45°	72	64
55°	12	11
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P760776

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9050-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	961.3
2.5°	965.4
5°	958.4
7.5°	972.9
10°	980.8
12.5°	978.9
15°	963.6
17.5°	926.2
20°	863.1
22.5°	788.8
25°	709.3
27.5°	619.5
30°	518.8
32.5°	427.6
35°	346.7
37.5°	266.8
40°	191.4
42.5°	125.0
45°	71.7
47.5°	38.0
50°	23.6
52.5°	16.4
55°	11.7
57.5°	8.5
60°	5.9
62.5°	3.8
65°	2.8
67.5°	2.5
70°	2.3
72.5°	1.8
75°	1.4
77.5°	1.2
80°	1.0
82.5°	0.7
85°	0.4
87.5°	0.3
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)