

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: P760746

Luminaire Tested: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 965.5 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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



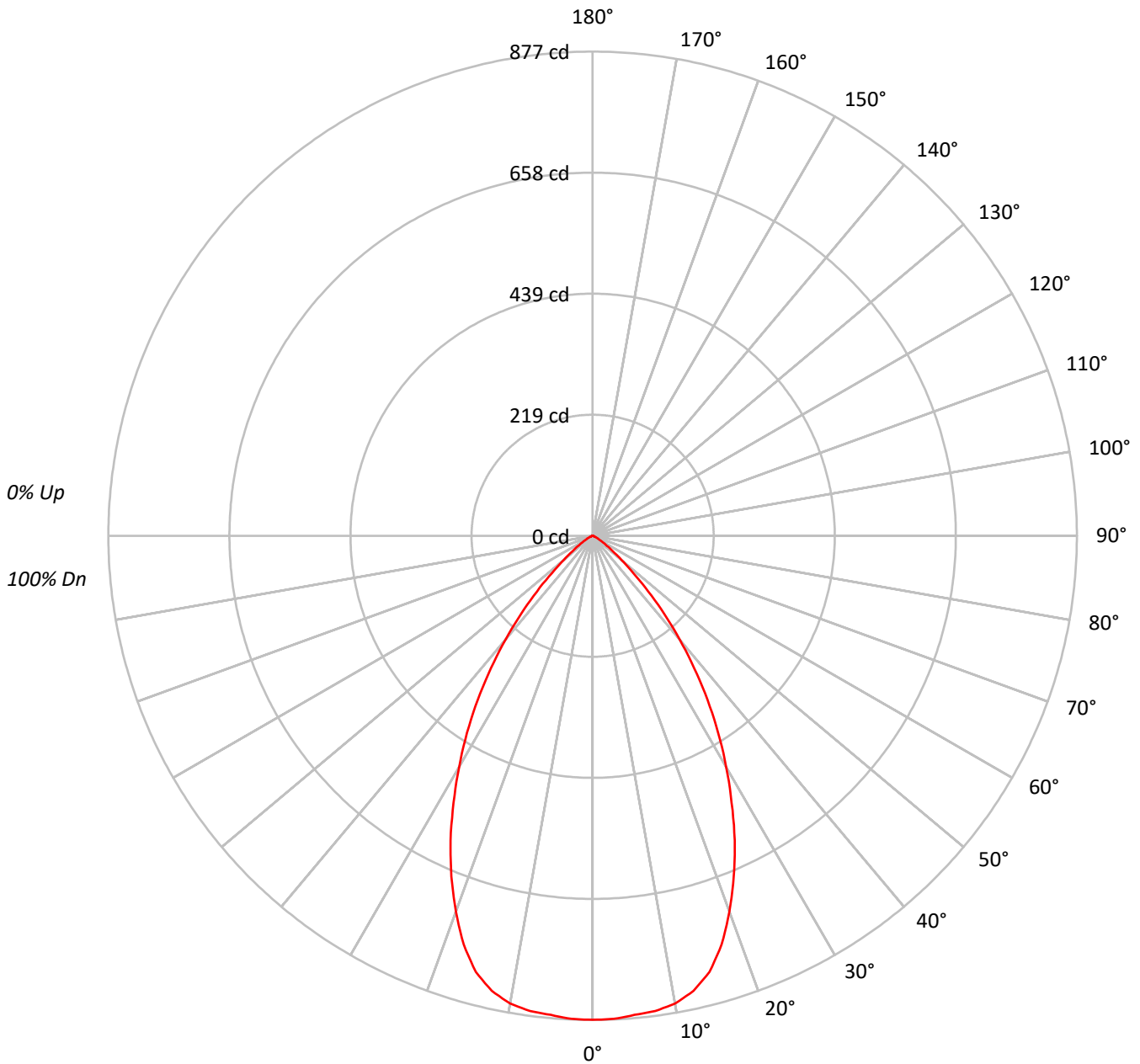
Downlight



TEST NUMBER: P760746

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P760746

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB

**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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

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

	0°
0°	51203
5°	51070
10°	51026
15°	49454
20°	45023
25°	39232
30°	32634
35°	25853
40°	18664
45°	11786
50°	6142
55°	3269
60°	1717
65°	940
70°	393
75°	429
80°	303
85°	268

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11786 cd/sqm



TEST NUMBER: P760746

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	8.6
10°-20°	227.0	23.5
20°-30°	277.5	28.7
30°-40°	225.2	23.3
40°-50°	112.2	11.6
50°-60°	31.3	3.2
60°-70°	7.1	0.7
70°-80°	1.8	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°	587.4	60.8
0°-40°	812.6	84.2
0°-60°	956.1	99.0
0°-90°	965.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	877	
5°	871	83
15°	818	227
25°	609	277
35°	363	225
45°	143	112
55°	32	31
65°	7	7
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P760746

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9035-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	876.7
2.5°	876.0
5°	871.1
7.5°	868.2
10°	860.4
12.5°	844.4
15°	817.9
17.5°	776.4
20°	724.4
22.5°	668.2
25°	608.8
27.5°	545.3
30°	483.9
32.5°	423.2
35°	362.6
37.5°	302.2
40°	244.8
42.5°	190.9
45°	142.7
47.5°	99.5
50°	67.6
52.5°	46.6
55°	32.1
57.5°	21.7
60°	14.7
62.5°	10.2
65°	6.8
67.5°	3.5
70°	2.3
72.5°	2.2
75°	1.9
77.5°	1.3
80°	0.9
82.5°	0.6
85°	0.4
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)