

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: P760744

Luminaire Tested: LD6D10D010-EU6DR650210IC9030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760744
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-EU6DR650210IC9030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 59.6 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



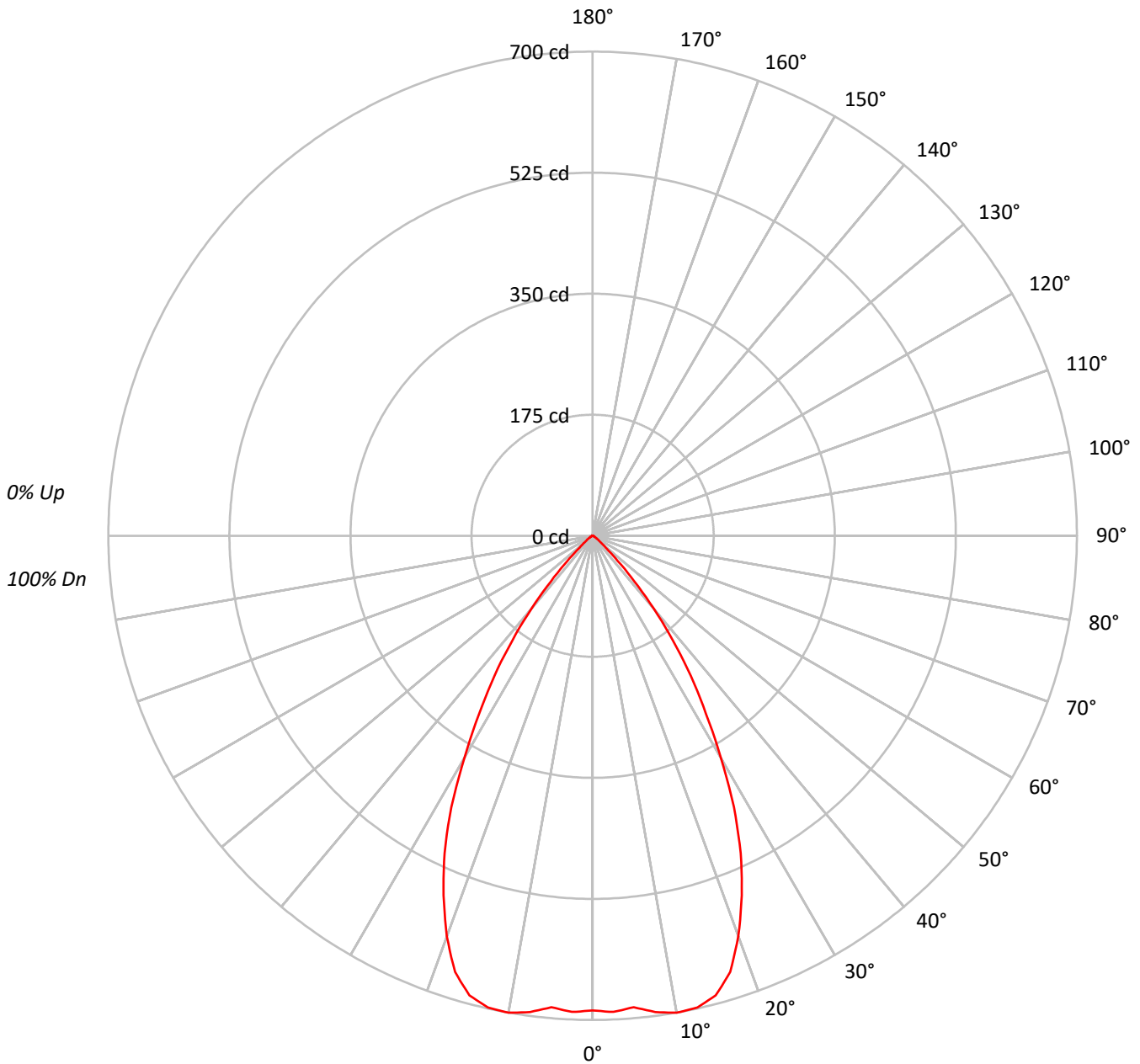
Downlight



TEST NUMBER: P760744

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P760744

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBSQW1B

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
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°	74975
5°	75031
10°	77673
15°	77801
20°	71624
25°	61037
30°	46731
35°	33012
40°	19483
45°	7911
50°	2856
55°	1600
60°	918
65°	491
70°	543
75°	422
80°	440
85°	376

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7911 cd/sqm



TEST NUMBER: P760744

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	9.5
10°-20°	190.6	27.3
20°-30°	228.7	32.8
30°-40°	153.7	22.0
40°-50°	46.0	6.6
50°-60°	8.1	1.2
60°-70°	2.3	0.3
70°-80°	1.2	0.2
80°-90°	0.4	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°	485.3	69.6
0°-40°	639.0	91.7
0°-60°	693.1	99.4
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	684	66
15°	688	191
25°	506	229
35°	248	154
45°	51	46
55°	8	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P760744

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	686.2
2.5°	689.1
5°	684.1
7.5°	694.5
10°	700.1
12.5°	698.7
15°	687.8
17.5°	661.1
20°	616.0
22.5°	563.0
25°	506.3
27.5°	442.2
30°	370.4
32.5°	305.2
35°	247.5
37.5°	190.4
40°	136.6
42.5°	89.2
45°	51.2
47.5°	27.1
50°	16.8
52.5°	11.7
55°	8.4
57.5°	6.1
60°	4.2
62.5°	2.8
65°	1.9
67.5°	1.8
70°	1.7
72.5°	1.3
75°	1.0
77.5°	0.9
80°	0.7
82.5°	0.5
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)