

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: P760742

Luminaire Tested: LD6D10D010-EU6DR650210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760742
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-EU6DR650210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.6 lumens
Efficiency: N/A
Efficacy: 86.0 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 (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

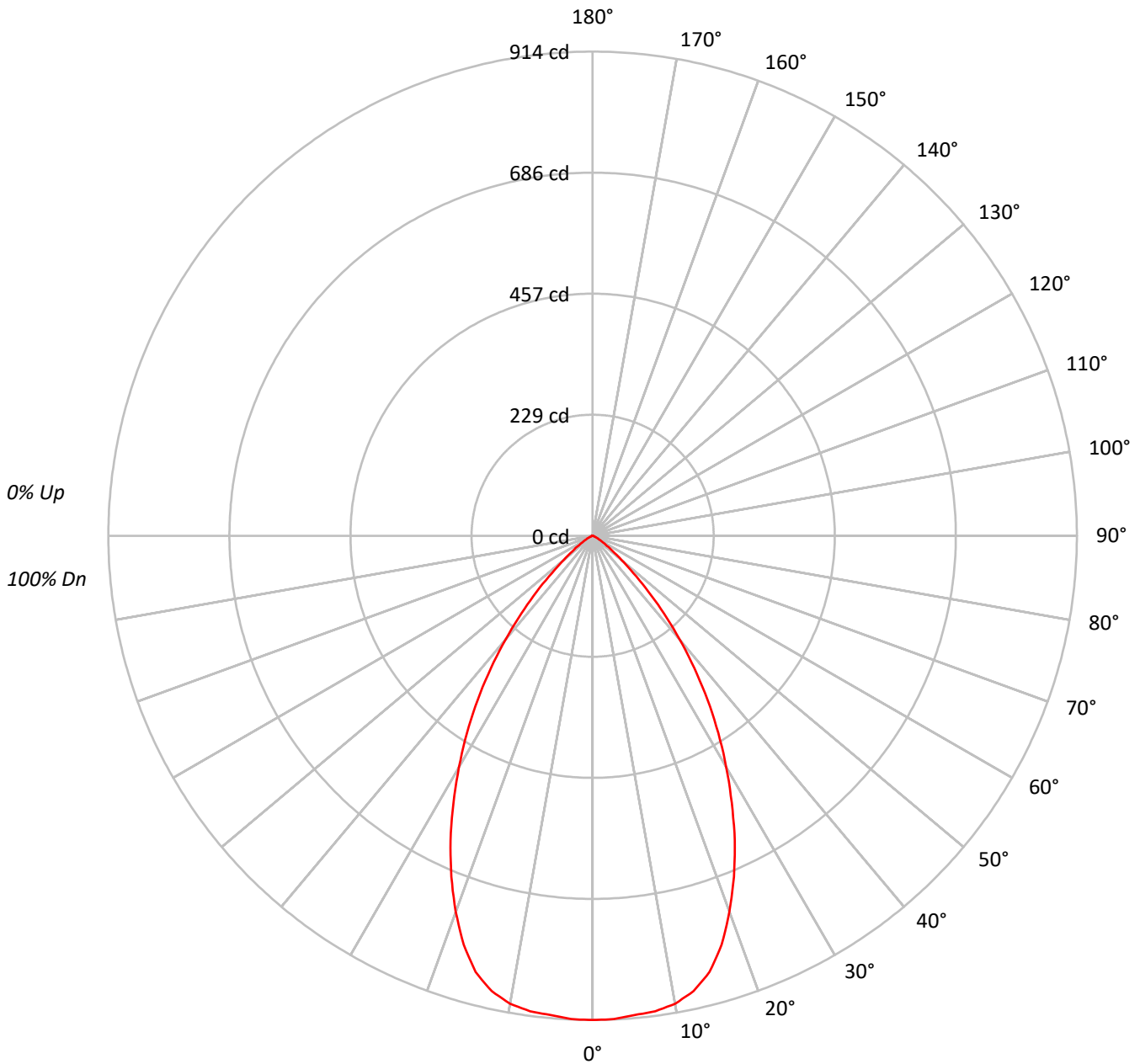


Downlight



TEST NUMBER: P760742
CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P760742

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBS1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53381
5°	53245
10°	53196
15°	51558
20°	46937
25°	40901
30°	34016
35°	26958
40°	19457
45°	12290
50°	6406
55°	3411
60°	1787
65°	981
70°	410
75°	451
80°	303
85°	268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12290 cd/sqm



TEST NUMBER: P760742

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	8.6
10°-20°	236.7	23.5
20°-30°	289.3	28.7
30°-40°	234.7	23.3
40°-50°	117.0	11.6
50°-60°	32.6	3.2
60°-70°	7.4	0.7
70°-80°	1.9	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°	612.4	60.8
0°-40°	847.2	84.2
0°-60°	996.8	99.0
0°-90°	1006.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	914	
5°	908	86
15°	853	237
25°	635	289
35°	378	235
45°	149	117
55°	34	33
65°	7	7
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P760742

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9030-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	914.0
2.5°	913.3
5°	908.2
7.5°	905.2
10°	897.0
12.5°	880.4
15°	852.7
17.5°	809.5
20°	755.2
22.5°	696.7
25°	634.7
27.5°	568.5
30°	504.4
32.5°	441.2
35°	378.1
37.5°	315.1
40°	255.2
42.5°	199.0
45°	148.8
47.5°	103.7
50°	70.5
52.5°	48.6
55°	33.5
57.5°	22.6
60°	15.3
62.5°	10.6
65°	7.1
67.5°	3.6
70°	2.4
72.5°	2.3
75°	2.0
77.5°	1.3
80°	0.9
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)