

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: P760646

Luminaire Tested: LD6D10D010-EU6DR600210IC9027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR600210IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.4 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



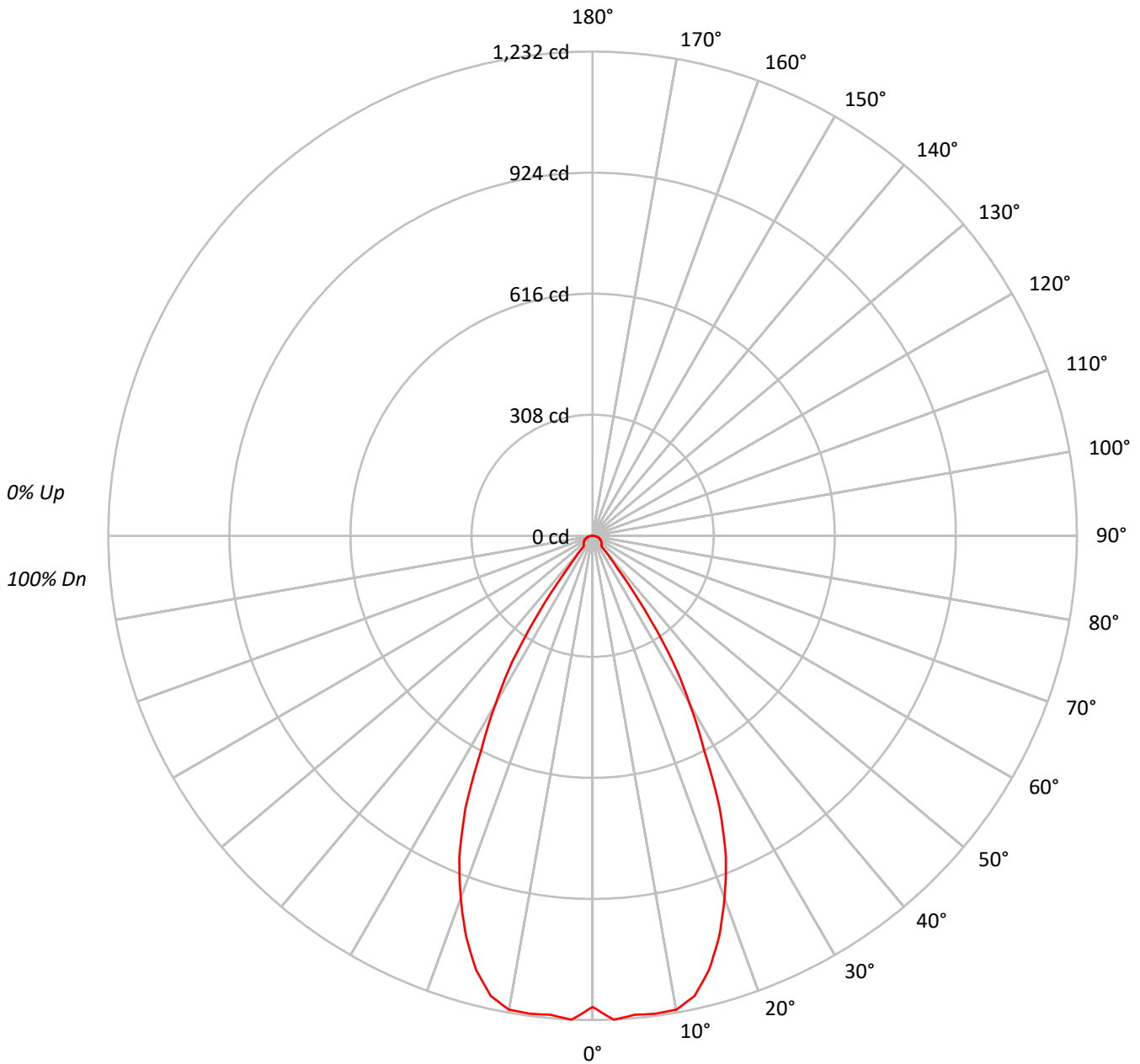
Downlight



TEST NUMBER: P760646

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P760646

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9027-6LBDP1H

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130982
5°	134202
10°	135820
15°	129392
20°	114087
25°	92273
30°	62413
35°	31278
40°	5078
45°	4960
50°	5065
55°	5143
60°	5288
65°	5403
70°	5527
75°	5572
80°	5411
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 5572 cd/sqm



TEST NUMBER: P760646

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	11.6
10°-20°	316.4	31.3
20°-30°	340.4	33.7
30°-40°	148.0	14.7
40°-50°	24.9	2.5
50°-60°	24.2	2.4
60°-70°	20.7	2.0
70°-80°	13.8	1.4
80°-90°	4.2	0.4
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°	773.8	76.7
0°-40°	921.8	91.3
0°-60°	970.8	96.2
0°-90°	1009.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1199	
5°	1224	117
15°	1144	316
25°	765	340
35°	234	148
45°	32	25
55°	27	24
65°	21	21
75°	13	14
85°	4	4
90°	0	



TEST NUMBER: P760646

CATALOG NUMBER: LD6D10D010-EU6DR600210IC9027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1198.8
2.5°	1232.5
5°	1223.6
7.5°	1226.4
10°	1224.2
12.5°	1199.0
15°	1143.9
17.5°	1069.9
20°	981.2
22.5°	886.2
25°	765.4
27.5°	612.2
30°	494.7
32.5°	381.3
35°	234.5
37.5°	100.3
40°	35.6
42.5°	32.8
45°	32.1
47.5°	31.1
50°	29.8
52.5°	28.4
55°	27.0
57.5°	25.6
60°	24.2
62.5°	22.6
65°	20.9
67.5°	19.2
70°	17.3
72.5°	15.3
75°	13.2
77.5°	10.9
80°	8.6
82.5°	6.1
85°	3.6
87.5°	1.3
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)