

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: P761714

Luminaire Tested: LD6D15D010-EU6DR650215IC9027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761714
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: LD6D15D010-EU6DR650215IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1185.1 lumens
Efficiency: N/A
Efficacy: 75.0 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): 15.8
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



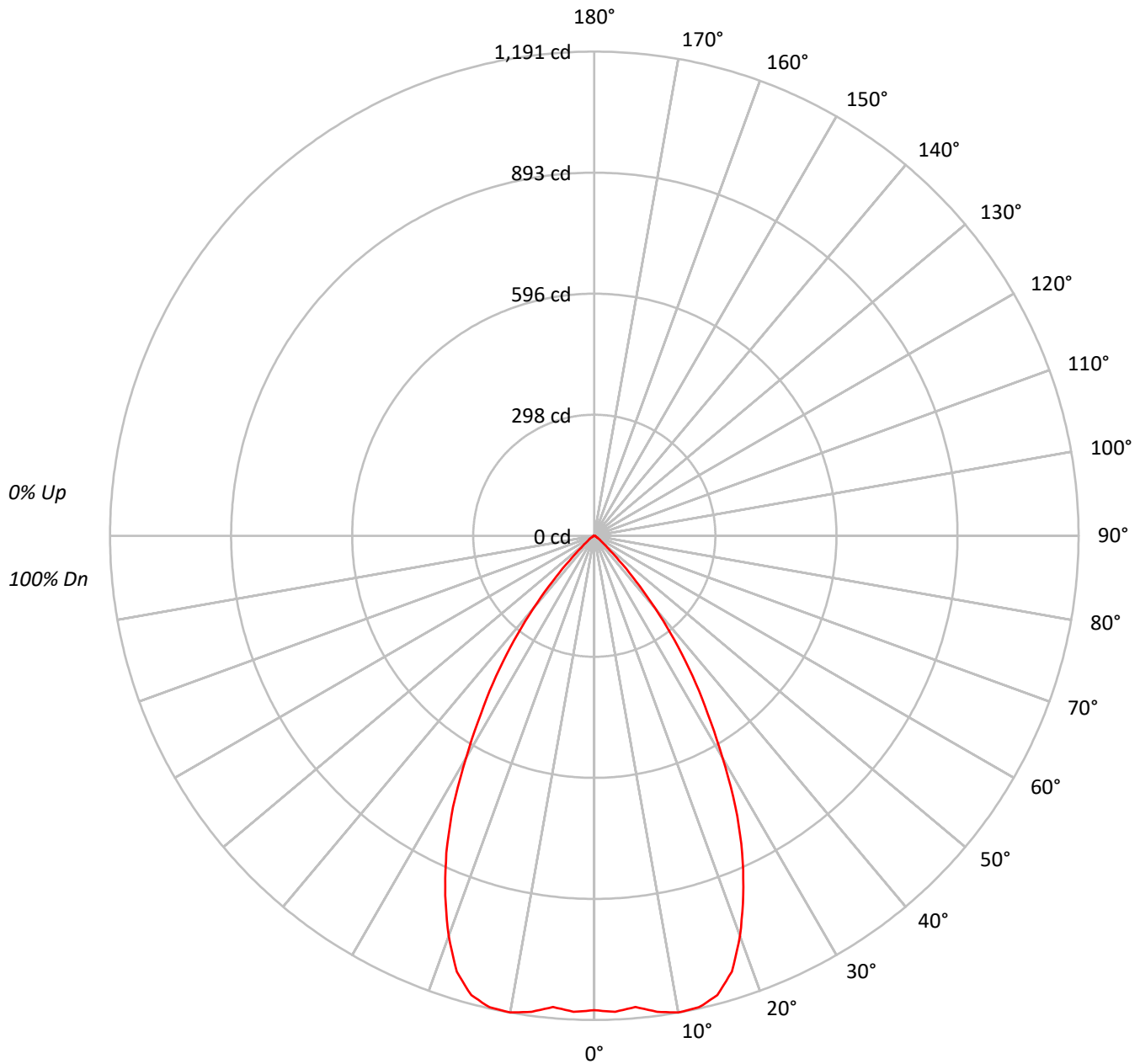
Downlight



TEST NUMBER: P761714

CATALOG NUMBER: LD6D15D010-EU6DR650215IC9027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P761714

CATALOG NUMBER: LD6D15D010-EU6DR650215IC9027-6LBDP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127496
5°	127600
10°	132093
15°	132311
20°	121807
25°	103787
30°	79458
35°	56127
40°	33133
45°	13443
50°	4878
55°	2724
60°	1552
65°	853
70°	894
75°	718
80°	692
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13443 cd/sqm



TEST NUMBER: P761714

CATALOG NUMBER: LD6D15D010-EU6DR650215IC9027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	9.5
10°-20°	324.1	27.3
20°-30°	388.9	32.8
30°-40°	261.3	22.0
40°-50°	78.2	6.6
50°-60°	13.8	1.2
60°-70°	3.9	0.3
70°-80°	1.9	0.2
80°-90°	0.6	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°	825.3	69.6
0°-40°	1086.6	91.7
0°-60°	1178.7	99.5
0°-90°	1185.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1185.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1167	
5°	1163	112
15°	1170	324
25°	861	389
35°	421	261
45°	87	78
55°	14	14
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P761714

CATALOG NUMBER: LD6D15D010-EU6DR650215IC9027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1166.9
2.5°	1171.9
5°	1163.4
7.5°	1181.0
10°	1190.6
12.5°	1188.2
15°	1169.7
17.5°	1124.2
20°	1047.6
22.5°	957.5
25°	860.9
27.5°	752.0
30°	629.8
32.5°	519.0
35°	420.8
37.5°	323.8
40°	232.3
42.5°	151.7
45°	87.0
47.5°	46.1
50°	28.7
52.5°	19.9
55°	14.3
57.5°	10.3
60°	7.1
62.5°	4.6
65°	3.3
67.5°	3.0
70°	2.8
72.5°	2.2
75°	1.7
77.5°	1.5
80°	1.1
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)