

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: P761680

Luminaire Tested: LD6D15D010-EU6DR600215IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.3 lumens
Efficiency: N/A
Efficacy: 106.3 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



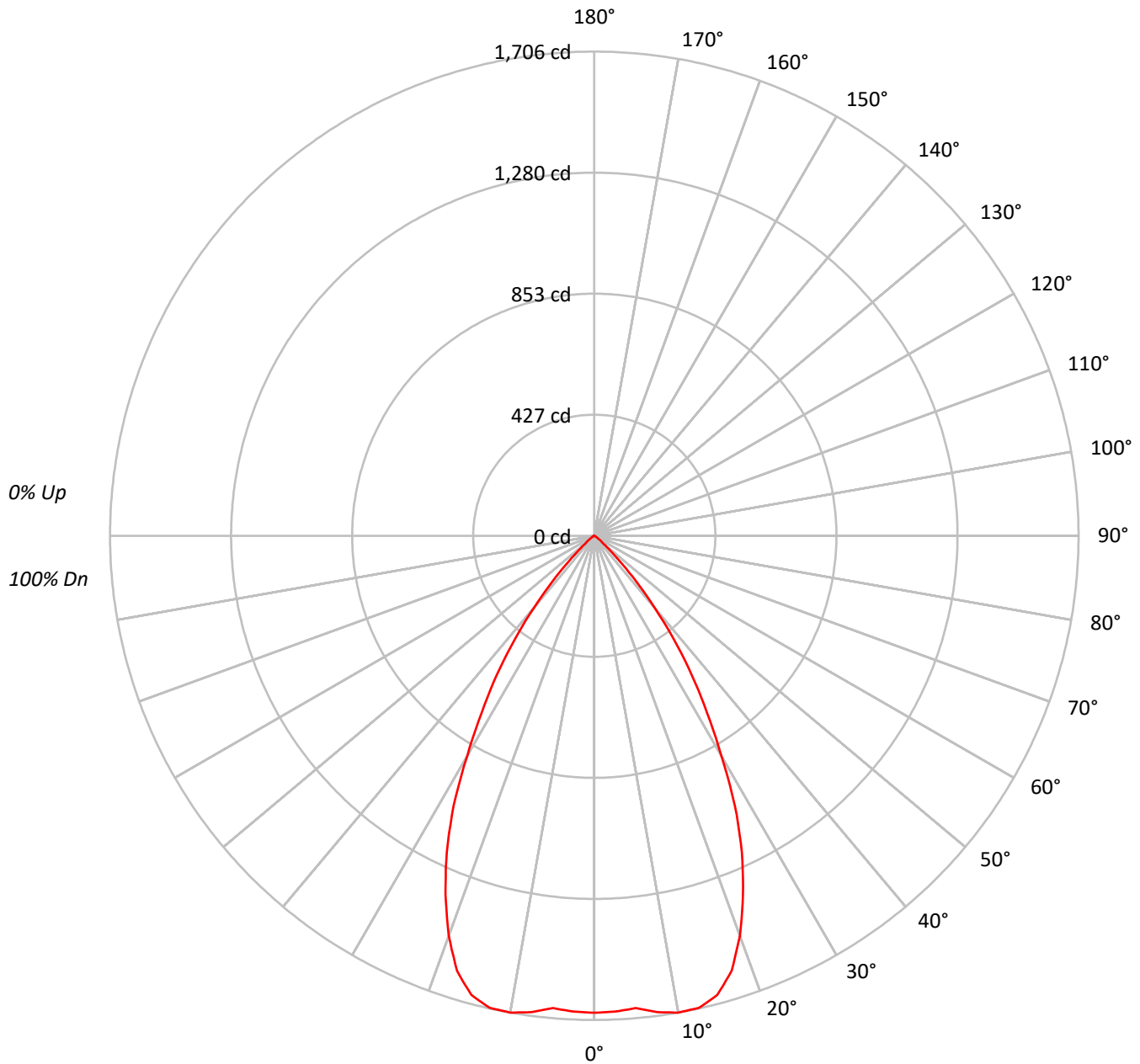
Downlight



TEST NUMBER: P761680

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P761680

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9040-6LBS1LI

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	63	82	73	67	63	72	67	63		71	66	63		69
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183624
5°	183173
10°	189252
15°	189445
20°	174316
25°	148260
30°	112979
35°	79896
40°	46911
45°	18928
50°	6323
55°	3048
60°	1246
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18928 cd/sqm



TEST NUMBER: P761680

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	9.6
10°-20°	464.0	27.6
20°-30°	555.3	33.1
30°-40°	371.4	22.1
40°-50°	110.1	6.6
50°-60°	15.9	0.9
60°-70°	1.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1180.4	70.3
0°-40°	1551.9	92.4
0°-60°	1677.9	99.9
0°-90°	1679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1681	
5°	1670	161
15°	1675	464
25°	1230	555
35°	599	371
45°	122	110
55°	16	16
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761680

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1680.6
2.5°	1678.4
5°	1670.1
7.5°	1692.7
10°	1705.8
12.5°	1703.4
15°	1674.8
17.5°	1607.4
20°	1499.2
22.5°	1369.3
25°	1229.8
27.5°	1072.8
30°	895.5
32.5°	737.2
35°	599.0
37.5°	460.5
40°	328.9
42.5°	216.9
45°	122.5
47.5°	62.7
50°	37.2
52.5°	24.1
55°	16.0
57.5°	10.3
60°	5.7
62.5°	2.4
65°	0.7
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)