

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: P760958

Luminaire Tested: LD6D15D010-EU6DR1515309027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1323.1 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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



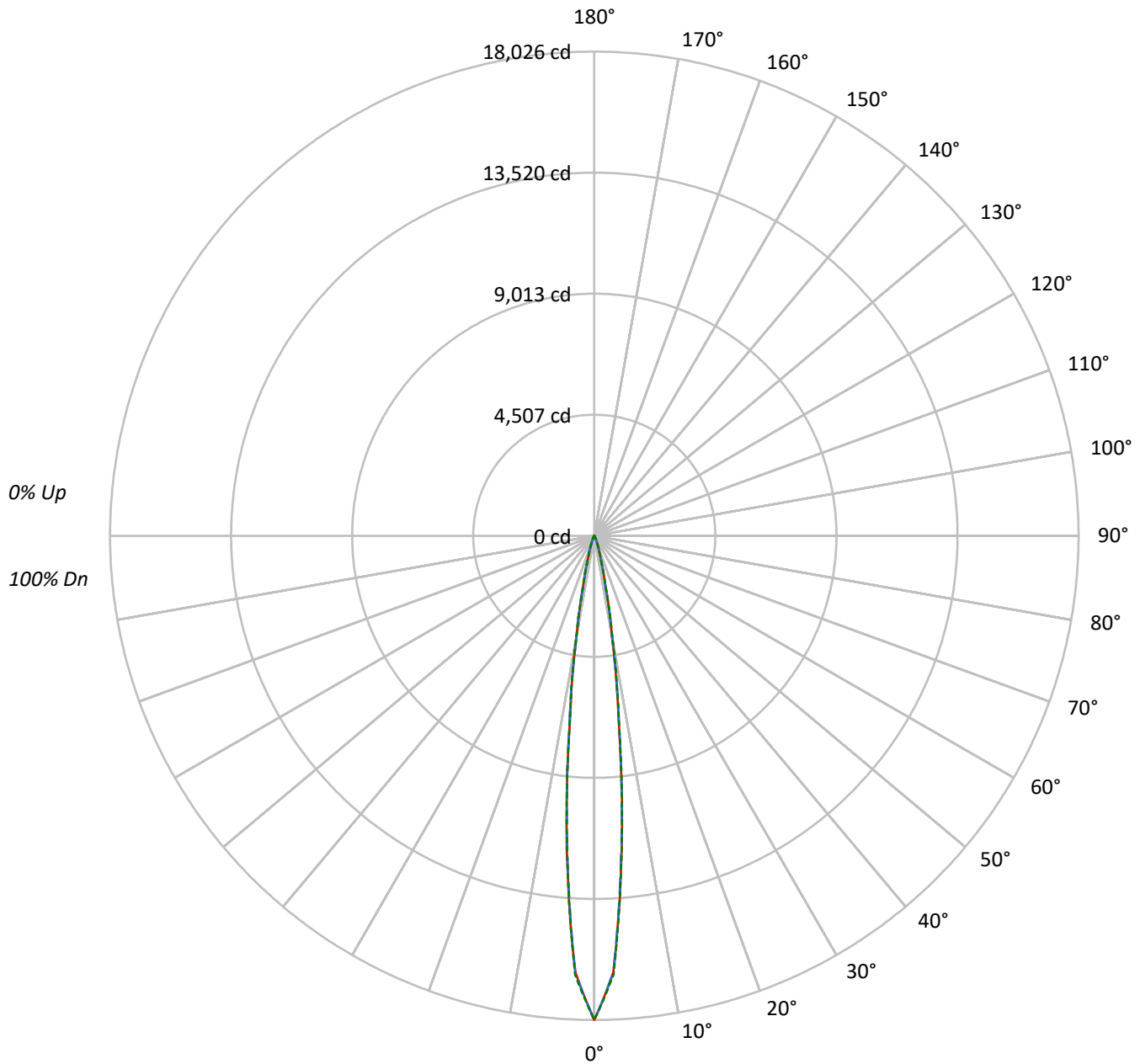
Downlight



TEST NUMBER: P760958

CATALOG NUMBER: LD6D15D010-EU6DR1515309027-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760958

CATALOG NUMBER: LD6D15D010-EU6DR1515309027-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2028330	2028330	2028330
5°	1191944	1176507	1185816
10°	355735	358236	363713
15°	88490	90210	87430
20°	26478	30659	27034
25°	9333	11888	9449
30°	3430	4515	3489
35°	1721	1939	1663
40°	1087	1193	1087
45°	798	854	798
50°	640	640	640
55°	529	529	529
60°	428	428	428
65°	328	328	328
70°	278	278	278
75°	174	174	234
80°	118	118	118
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 854 cd/sqm



TEST NUMBER: P760958

CATALOG NUMBER: LD6D15D010-EU6DR1515309027-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.1	64.9
10°-20°	353.0	26.7
20°-30°	70.1	5.3
30°-40°	17.5	1.3
40°-50°	9.2	0.7
50°-60°	6.8	0.5
60°-70°	4.8	0.4
70°-80°	2.8	0.2
80°-90°	0.8	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°	1281.2	96.8
0°-40°	1298.7	98.2
0°-60°	1314.7	99.4
0°-90°	1323.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18026	18026	18026	18026	18026	
5°	11728	11608	11576	11657	11668	856
15°	1019	1038	1039	1020	1007	349
25°	120	136	153	135	121	63
35°	24	25	27	25	23	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P760958

CATALOG NUMBER: LD6D15D010-EU6DR1515309027-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18026.4	18026.4	18026.4	18026.4	18026.4
2.5°	16260.6	16274.3	16279.6	16295.7	16355.2
5°	11728.4	11607.8	11576.5	11656.7	11668.1
7.5°	6947.4	6971.9	7061.1	7081.0	7009.3
10°	3812.5	3843.8	3839.3	3866.7	3898.0
12.5°	1949.8	1925.4	1917.7	1949.0	1905.5
15°	1018.8	1037.8	1038.6	1020.3	1006.6
17.5°	547.9	570.1	606.7	576.9	531.1
20°	323.6	343.4	374.7	350.3	330.4
22.5°	199.9	216.0	238.1	219.0	203.0
25°	119.8	135.8	152.6	135.1	121.3
27.5°	71.0	84.7	95.4	83.9	70.2
30°	45.8	53.4	60.3	52.7	46.6
32.5°	32.1	35.1	38.2	35.1	32.1
35°	23.7	25.2	26.7	25.2	22.9
37.5°	18.3	19.8	20.6	19.1	17.6
40°	15.3	16.0	16.8	16.0	15.3
42.5°	13.0	13.7	13.7	13.7	13.0
45°	11.4	11.4	12.2	11.4	11.4
47.5°	9.9	9.9	10.7	9.9	9.9
50°	9.2	9.2	9.2	9.2	9.2
52.5°	8.4	8.4	8.4	8.4	8.4
55°	7.6	7.6	7.6	7.6	7.6
57.5°	6.9	6.9	6.9	6.9	6.9
60°	6.1	6.1	6.1	6.1	6.1
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.6	4.6	4.6	4.6	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	3.8	3.8	3.8	3.8	3.8
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.3	2.3	2.3	2.3	3.1
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)