

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: P761544

Luminaire Tested: LD6D15D010-EU6DR500215IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR500215IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1553.1 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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



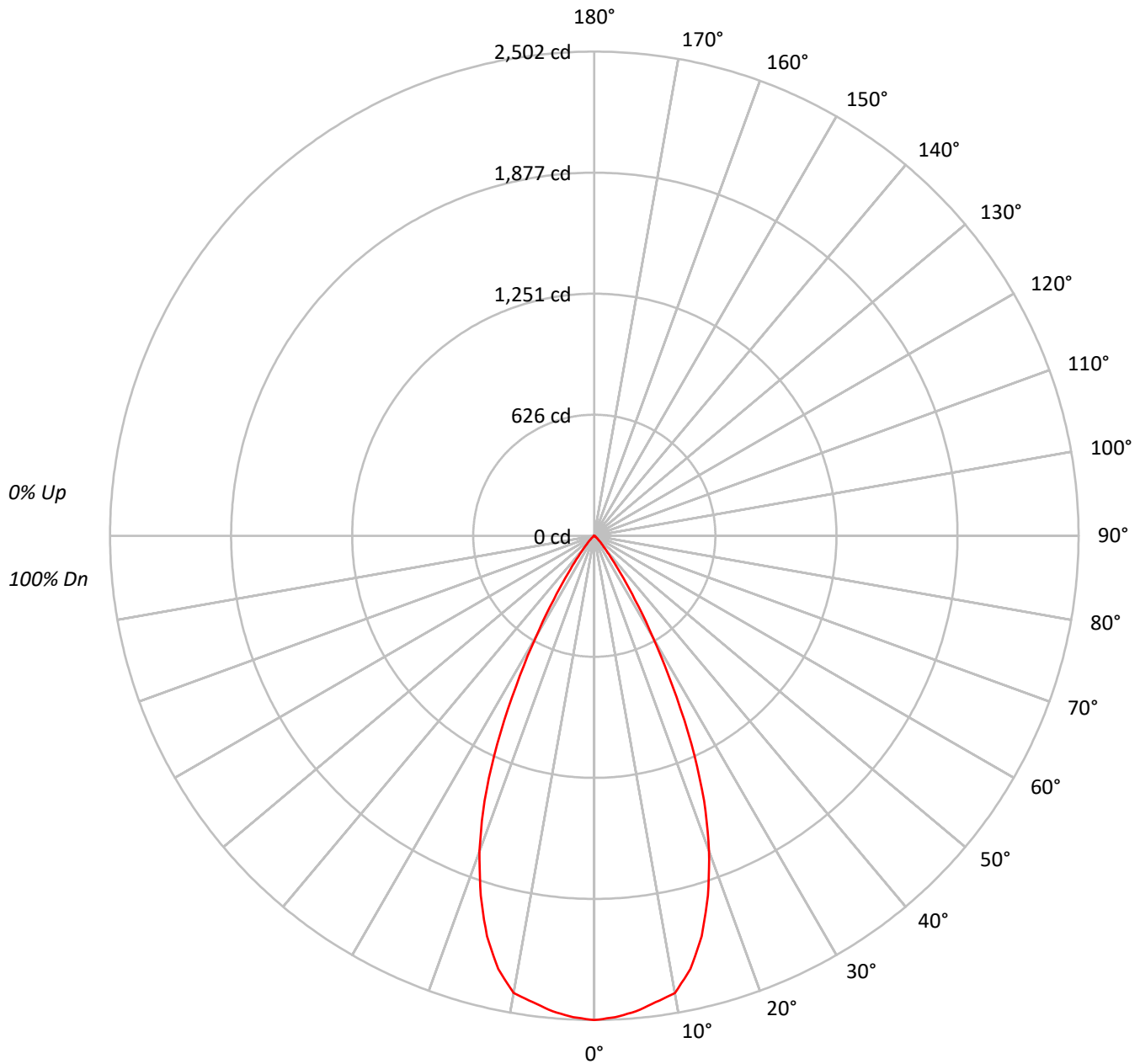
Downlight



TEST NUMBER: P761544

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9050-6LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P761544

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9050-6LBS1MW

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	114	112	109	107	112	110	108	106		106	104	102		102	101	99		98	97	97
2	109	105	101	98	107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	91	103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85	99	93	88	85		90	87	84		89	85	83		87	84	82
5	96	89	84	80	95	88	83	79		86	82	79		85	81	78		83	80	77
6	92	84	79	75	91	83	79	75		82	78	74		81	77	74		79	76	74
7	88	80	75	71	87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	67	84	76	71	67		75	70	67		74	70	67		73	69	66
9	81	73	68	64	80	72	67	64		71	67	64		71	67	64		70	66	63
10	78	70	64	61	77	69	64	61		68	64	61		68	64	61		67	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273414
5°	270554
10°	266094
15°	242304
20°	201617
25°	143124
30°	75761
35°	30878
40°	11467
45°	5254
50°	2159
55°	1124
60°	546
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5254 cd/sqm



TEST NUMBER: P761544

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9050-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	15.0
10°-20°	589.2	37.9
20°-30°	529.3	34.1
30°-40°	165.7	10.7
40°-50°	29.0	1.9
50°-60°	5.8	0.4
60°-70°	0.9	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°	1351.7	87.0
0°-40°	1517.4	97.7
0°-60°	1552.2	99.9
0°-90°	1553.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2502	
5°	2467	233
15°	2142	589
25°	1187	529
35°	232	166
45°	34	29
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761544

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9050-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2502.4
2.5°	2490.0
5°	2466.8
7.5°	2431.3
10°	2398.4
12.5°	2292.9
15°	2142.1
17.5°	1950.5
20°	1734.0
22.5°	1483.6
25°	1187.2
27.5°	872.8
30°	600.5
32.5°	390.9
35°	231.5
37.5°	132.9
40°	80.4
42.5°	52.3
45°	34.0
47.5°	20.7
50°	12.7
52.5°	8.7
55°	5.9
57.5°	4.0
60°	2.5
62.5°	1.5
65°	0.6
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)