

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: P761151

Luminaire Tested: LD6D15D010-EU6DR250215IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR250215IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1353.9 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



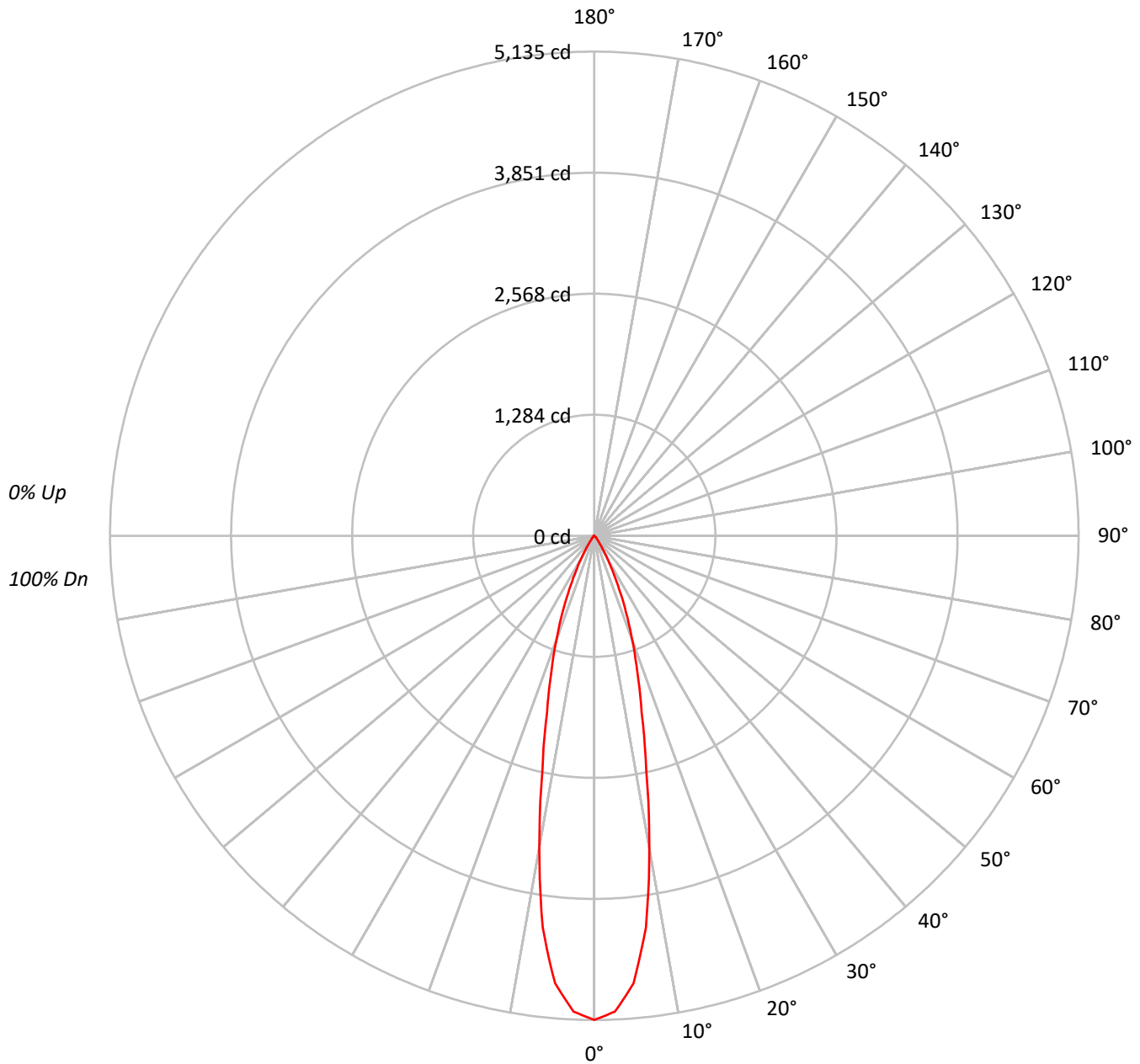
Downlight



TEST NUMBER: P761151

CATALOG NUMBER: LD6D15D010-EU6DR250215IC9040-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P761151

CATALOG NUMBER: LD6D15D010-EU6DR250215IC9040-6LBS1MW

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	561043
5°	522539
10°	372746
15°	219534
20°	136597
25°	74962
30°	34291
35°	12978
40°	5891
45°	3538
50°	1479
55°	952
60°	656
65°	440
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3538 cd/sqm



TEST NUMBER: P761151

CATALOG NUMBER: LD6D15D010-EU6DR250215IC9040-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.5	30.2
10°-20°	554.6	41.0
20°-30°	293.5	21.7
30°-40°	72.5	5.4
40°-50°	17.7	1.3
50°-60°	4.7	0.3
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°	1257.5	92.9
0°-40°	1330.0	98.2
0°-60°	1352.3	99.9
0°-90°	1353.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1353.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5135	
5°	4764	409
15°	1941	555
25°	622	293
35°	97	72
45°	23	18
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761151

CATALOG NUMBER: LD6D15D010-EU6DR250215IC9040-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5134.9
2.5°	5050.5
5°	4764.3
7.5°	4189.3
10°	3359.7
12.5°	2539.7
15°	1940.8
17.5°	1512.5
20°	1174.8
22.5°	881.0
25°	621.8
27.5°	417.0
30°	271.8
32.5°	165.4
35°	97.3
37.5°	59.6
40°	41.3
42.5°	31.5
45°	22.9
47.5°	13.8
50°	8.7
52.5°	6.2
55°	5.0
57.5°	3.9
60°	3.0
62.5°	2.3
65°	1.7
67.5°	0.6
70°	0.2
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)