

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: P761687

Luminaire Tested: LD6D15D010-EU6DR600215IC9050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1182.4 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



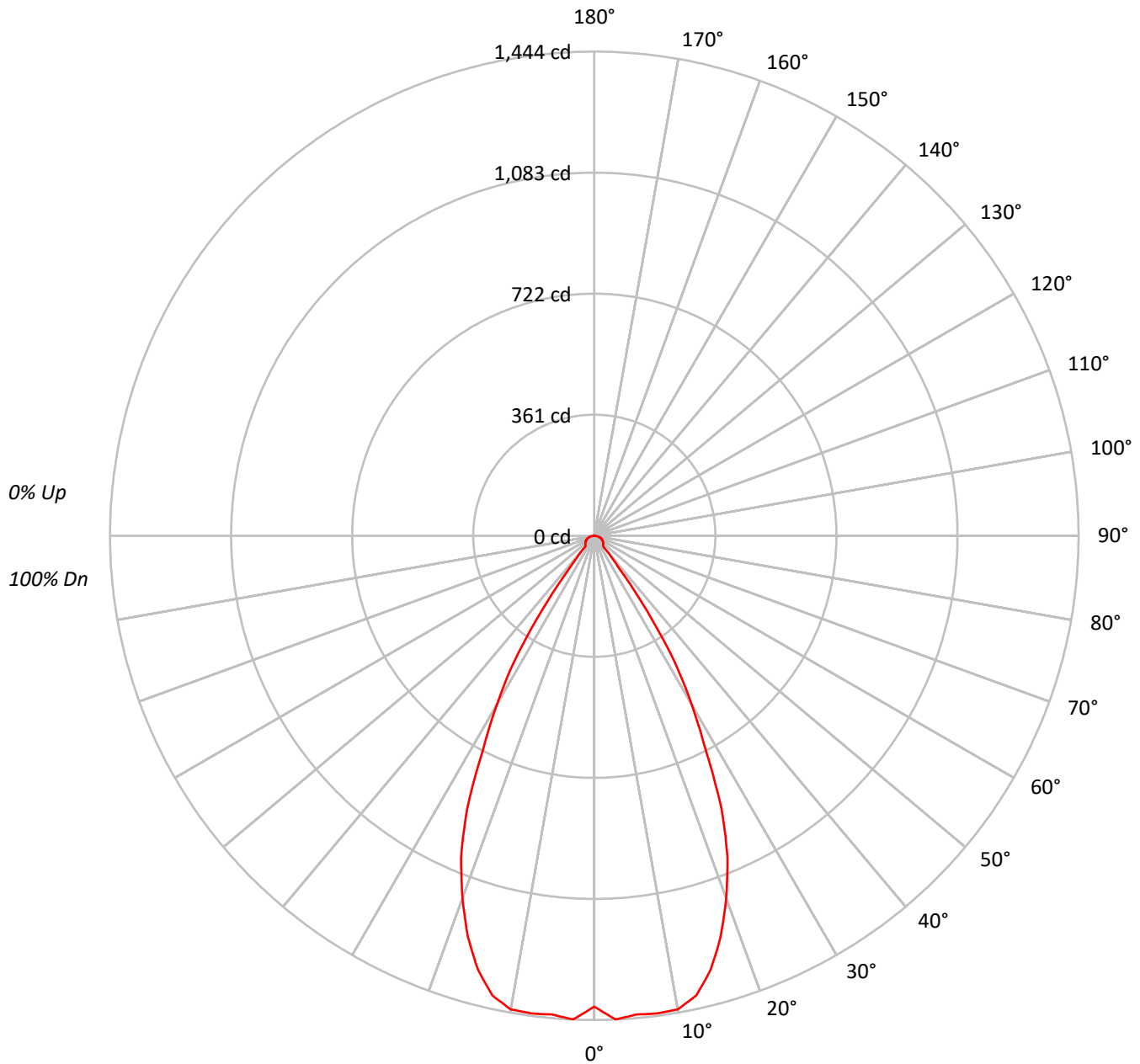
Downlight



TEST NUMBER: P761687

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9050-6LBDP1B

Luminous Intensity Polar Plot



TEST NUMBER: P761687

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9050-6LBDP1B

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153424
5°	157202
10°	159097
15°	151563
20°	133632
25°	108090
30°	73112
35°	36640
40°	5948
45°	5810
50°	5932
55°	6019
60°	6184
65°	6334
70°	6485
75°	6543
80°	6292
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6543 cd/sqm



TEST NUMBER: P761687

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9050-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	11.6
10°-20°	370.6	31.3
20°-30°	398.8	33.7
30°-40°	173.3	14.7
40°-50°	29.1	2.5
50°-60°	28.3	2.4
60°-70°	24.2	2.0
70°-80°	16.2	1.4
80°-90°	4.8	0.4
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°	906.4	76.7
0°-40°	1079.7	91.3
0°-60°	1137.1	96.2
0°-90°	1182.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1404	
5°	1433	137
15°	1340	371
25°	897	399
35°	275	173
45°	38	29
55°	32	28
65°	24	24
75°	16	16
85°	4	5
90°	0	



TEST NUMBER: P761687

CATALOG NUMBER: LD6D15D010-EU6DR600215IC9050-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1404.2
2.5°	1443.7
5°	1433.3
7.5°	1436.6
10°	1434.0
12.5°	1404.4
15°	1339.9
17.5°	1253.3
20°	1149.3
22.5°	1038.0
25°	896.6
27.5°	717.1
30°	579.5
32.5°	446.6
35°	274.7
37.5°	117.5
40°	41.7
42.5°	38.4
45°	37.6
47.5°	36.4
50°	34.9
52.5°	33.2
55°	31.6
57.5°	30.0
60°	28.3
62.5°	26.5
65°	24.5
67.5°	22.5
70°	20.3
72.5°	17.9
75°	15.5
77.5°	12.8
80°	10.0
82.5°	7.1
85°	4.2
87.5°	1.5
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)