

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: P761068

Luminaire Tested: LD6D15D010-EU6DR2015309040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR2015309040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1376.3 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
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



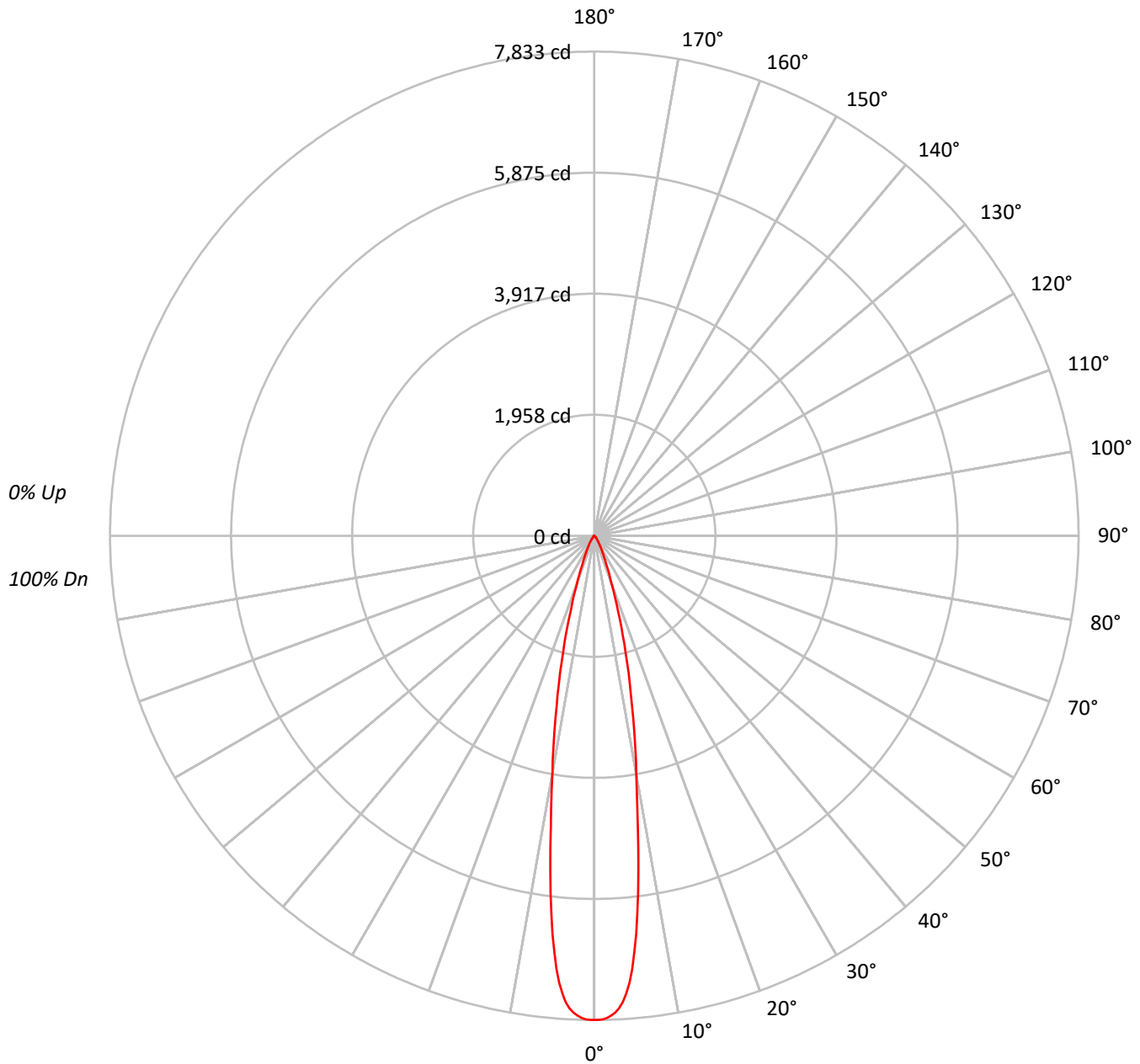
Downlight



TEST NUMBER: P761068

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P761068

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBDP1B

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	855883
5°	772167
10°	433378
15°	220292
20°	93274
25°	43051
30°	22798
35°	12285
40°	6561
45°	3878
50°	2261
55°	1200
60°	765
65°	543
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3878 cd/sqm

TEST NUMBER: P761068

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.7	40.5
10°-20°	549.2	39.9
20°-30°	179.4	13.0
30°-40°	61.1	4.4
40°-50°	20.5	1.5
50°-60°	6.2	0.5
60°-70°	2.1	0.2
70°-80°	0.1	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°	1286.3	93.5
0°-40°	1347.4	97.9
0°-60°	1374.1	99.8
0°-90°	1376.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1376.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7833	
5°	7040	558
15°	1948	549
25°	357	179
35°	92	61
45°	25	21
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761068

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	7833.4
0.5°	7833.4
1°	7823.6
1.5°	7804.1
2°	7768.5
2.5°	7721.1
3°	7654.1
3.5°	7560.6
4°	7421.8
4.5°	7253.0
5°	7040.3
5.5°	6760.6
6°	6473.9
6.5°	6145.3
7°	5823.8
7.5°	5447.1
8°	5110.9
8.5°	4772.6
9°	4460.1
9.5°	4173.4
10°	3906.2
12.5°	2804.8
15°	1947.5
17.5°	1272.3
20°	802.2
22.5°	519.7
25°	357.1
27.5°	251.1
30°	180.7
32.5°	129.7
35°	92.1
37.5°	64.2
40°	46.0
42.5°	33.5
45°	25.1
47.5°	19.5
50°	13.3
52.5°	8.4
55°	6.3
57.5°	4.9
60°	3.5
62.5°	2.8
65°	2.1



TEST NUMBER: P761068

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBDP1B

CANDELA DISTRIBUTION (continued):

	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°







67.5°	1.4
70°	0.7



(END OF REPORT)