

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: P761072

Luminaire Tested: LD6D15D010-EU6DR2015309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761072
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-EU6DR2015309040-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 1581.4 lumens
Efficiency: N/A
Efficacy: 100.1 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 (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



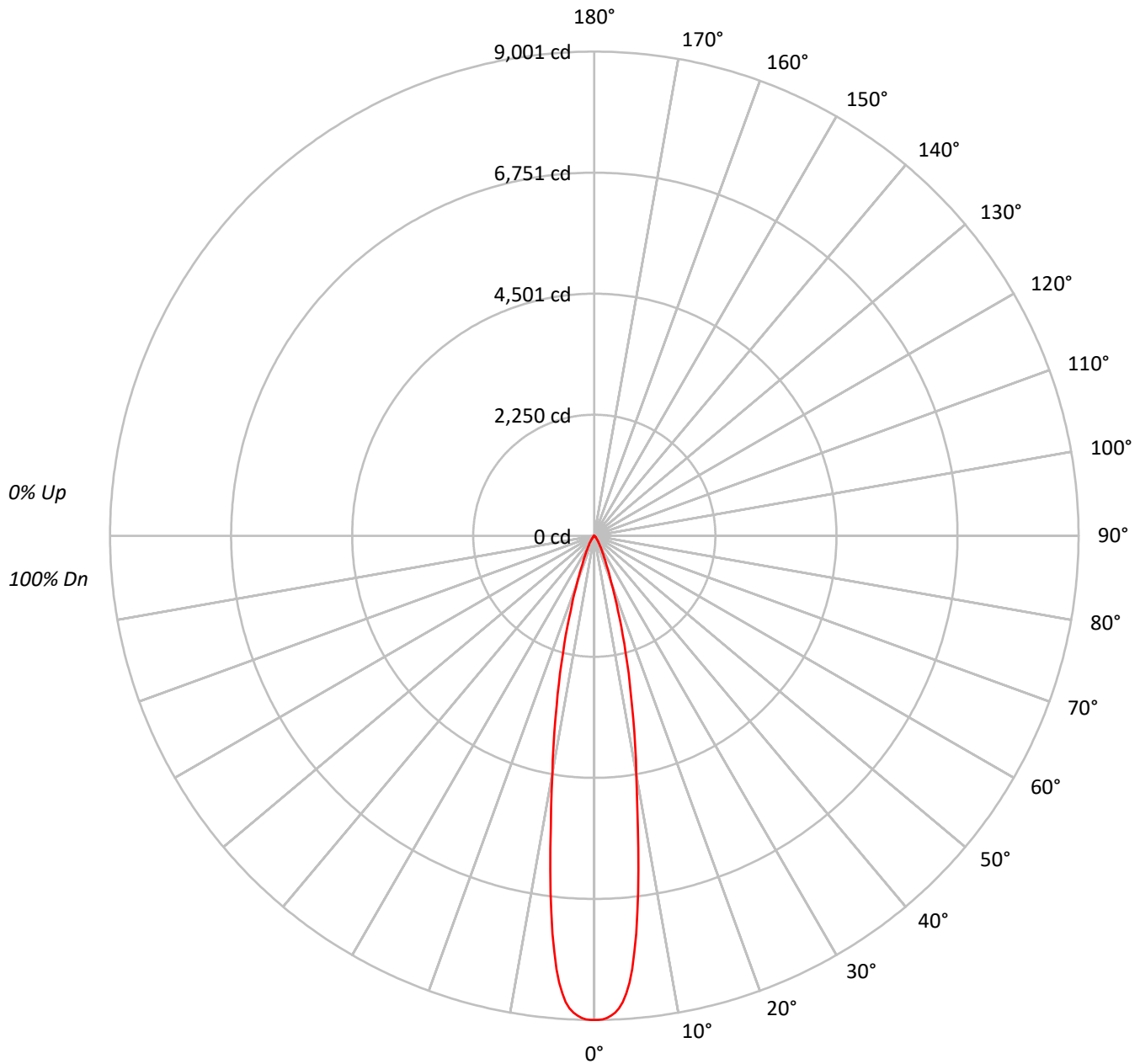
Downlight



TEST NUMBER: P761072

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBS1B

Luminous Intensity Polar Plot



TEST NUMBER: P761072

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBS1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	983489
5°	887296
10°	497993
15°	253140
20°	107180
25°	49476
30°	26192
35°	14112
40°	7545
45°	4466
50°	2584
55°	1372
60°	874
65°	620
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4466 cd/sqm



TEST NUMBER: P761072

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.9	40.5
10°-20°	631.1	39.9
20°-30°	206.2	13.0
30°-40°	70.2	4.4
40°-50°	23.6	1.5
50°-60°	7.1	0.4
60°-70°	2.4	0.1
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°	1478.1	93.5
0°-40°	1548.3	97.9
0°-60°	1579.0	99.8
0°-90°	1581.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9001	
5°	8090	641
15°	2238	631
25°	410	206
35°	106	70
45°	29	24
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761072

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	9001.3
0.5°	9001.3
1°	8990.1
1.5°	8967.6
2°	8926.8
2.5°	8872.3
3°	8795.3
3.5°	8687.9
4°	8528.4
4.5°	8334.4
5°	8090.0
5.5°	7768.5
6°	7439.1
6.5°	7061.6
7°	6692.1
7.5°	6259.2
8°	5872.9
8.5°	5484.1
9°	5125.1
9.5°	4795.6
10°	4488.6
12.5°	3223.0
15°	2237.9
17.5°	1462.0
20°	921.8
22.5°	597.1
25°	410.4
27.5°	288.6
30°	207.6
32.5°	149.1
35°	105.8
37.5°	73.7
40°	52.9
42.5°	38.5
45°	28.9
47.5°	22.4
50°	15.2
52.5°	9.6
55°	7.2
57.5°	5.6
60°	4.0
62.5°	3.2
65°	2.4



TEST NUMBER: P761072

CATALOG NUMBER: LD6D15D010-EU6DR2015309040-6LBS1B

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°	1.6
70°	0.8



(END OF REPORT)