

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: P761021

Luminaire Tested: LD6D15D010-EU6DR2015309024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761021
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-EU6DR2015309024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1189.9 lumens
Efficiency: N/A
Efficacy: 75.3 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



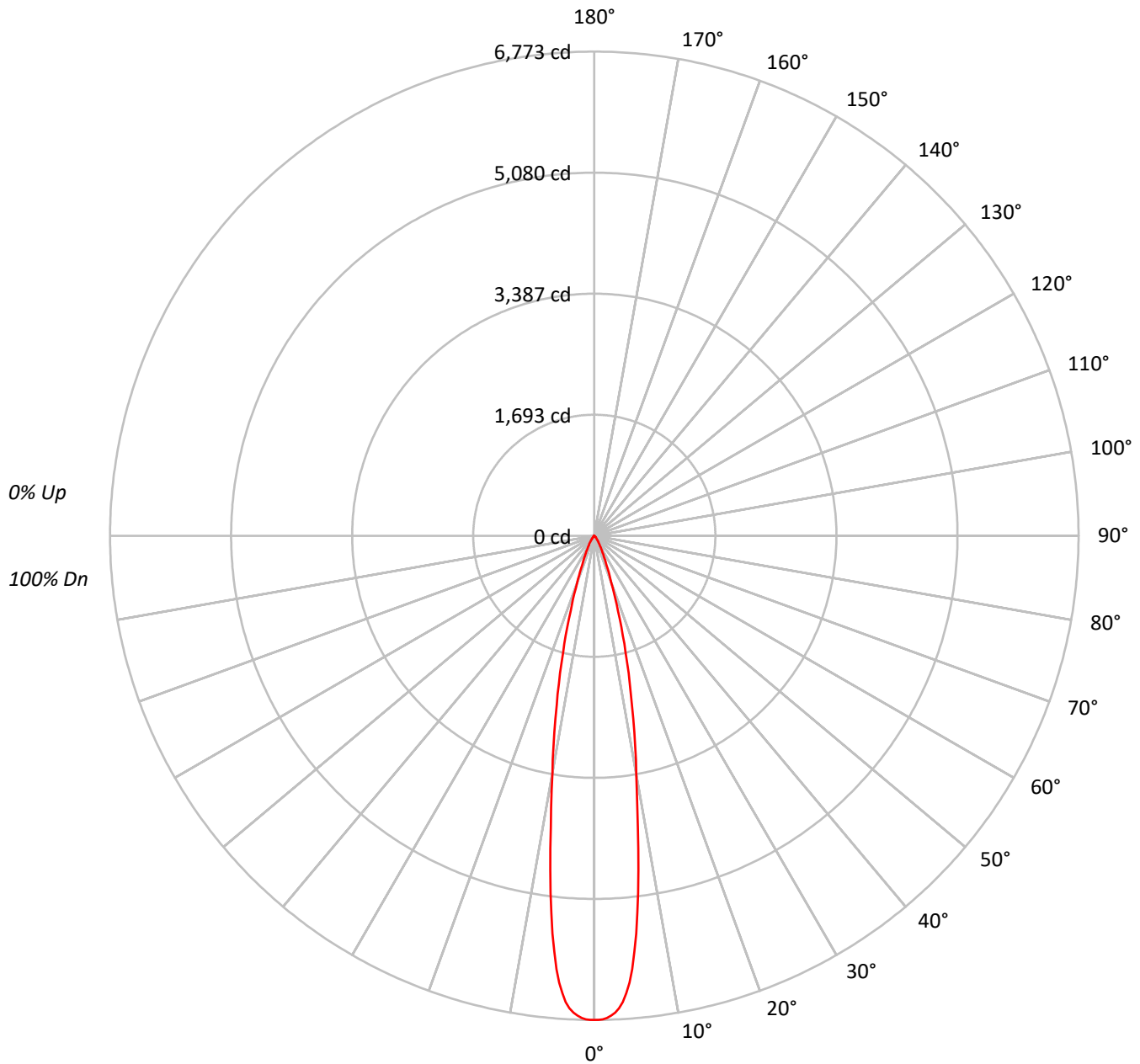
Downlight



TEST NUMBER: P761021

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P761021

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBDP1MW

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°	740001
5°	667622
10°	374699
15°	190463
20°	80647
25°	37228
30°	19707
35°	10617
40°	5677
45°	3353
50°	1955
55°	1029
60°	656
65°	465
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3353 cd/sqm



TEST NUMBER: P761021

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.2	40.5
10°-20°	474.8	39.9
20°-30°	155.1	13.0
30°-40°	52.8	4.4
40°-50°	17.8	1.5
50°-60°	5.3	0.4
60°-70°	1.8	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°	1112.1	93.5
0°-40°	1165.0	97.9
0°-60°	1188.0	99.8
0°-90°	1189.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6773	
5°	6087	482
15°	1684	475
25°	309	155
35°	80	53
45°	22	18
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761021

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6772.8
0.5°	6772.8
1°	6764.3
1.5°	6747.4
2°	6716.7
2.5°	6675.7
3°	6617.8
3.5°	6537.0
4°	6416.9
4.5°	6271.0
5°	6087.1
5.5°	5845.2
6°	5597.3
6.5°	5313.3
7°	5035.3
7.5°	4709.6
8°	4418.9
8.5°	4126.4
9°	3856.2
9.5°	3608.3
10°	3377.3
12.5°	2425.1
15°	1683.8
17.5°	1100.0
20°	693.6
22.5°	449.3
25°	308.8
27.5°	217.1
30°	156.2
32.5°	112.2
35°	79.6
37.5°	55.5
40°	39.8
42.5°	28.9
45°	21.7
47.5°	16.9
50°	11.5
52.5°	7.2
55°	5.4
57.5°	4.2
60°	3.0
62.5°	2.4
65°	1.8



TEST NUMBER: P761021

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBDP1MW

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°	1.2
70°	0.6



(END OF REPORT)