

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: P761491

Luminaire Tested: LD6D15D010-EU6DR500215IC9027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR500215IC9027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1397.5 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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



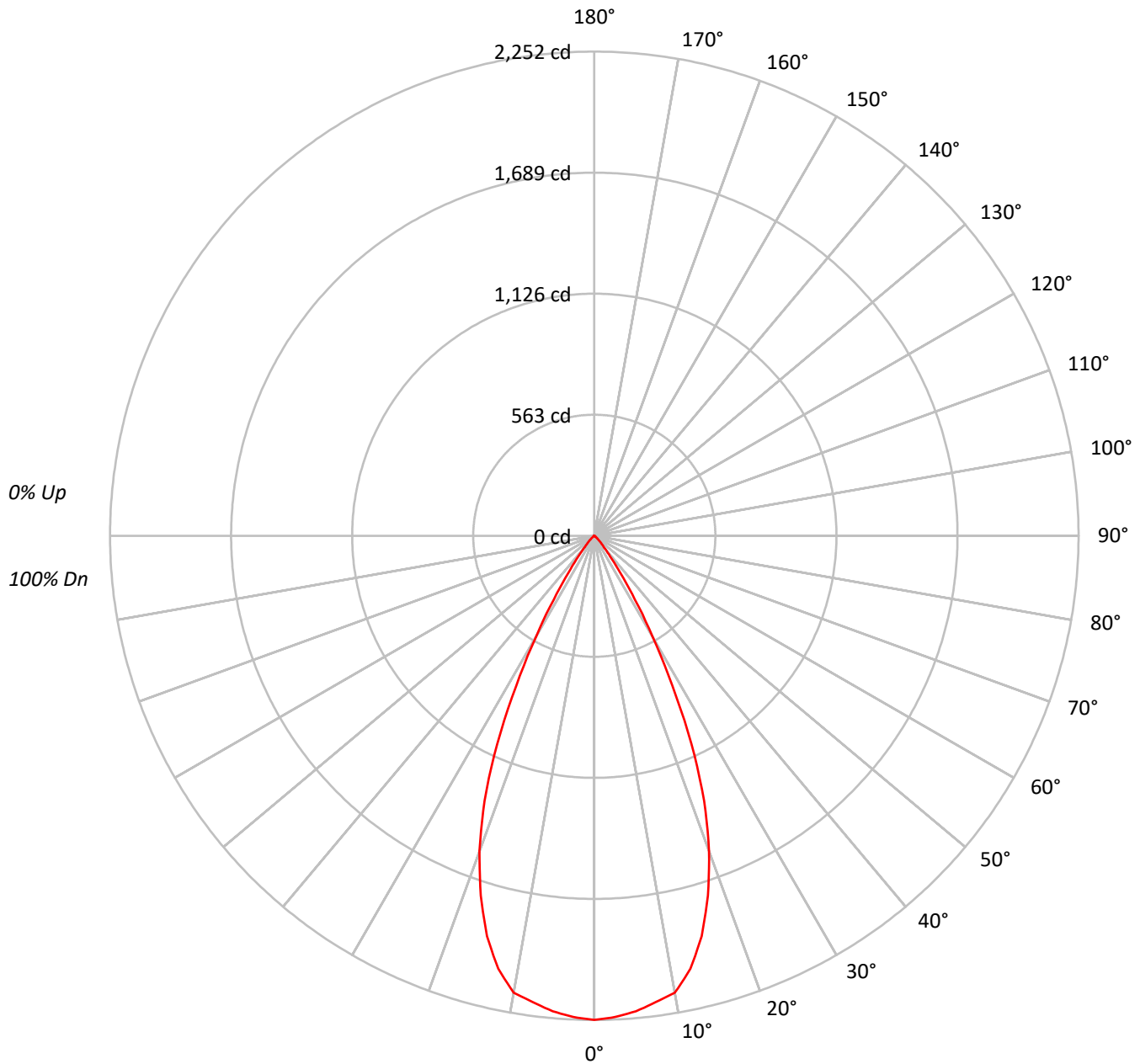
Downlight



TEST NUMBER: P761491

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P761491

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBS1B

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	74	74	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	63	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246033
5°	243453
10°	239433
15°	218029
20°	181421
25°	128790
30°	68166
35°	27784
40°	10312
45°	4713
50°	1938
55°	1010
60°	503
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4713 cd/sqm



TEST NUMBER: P761491

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	15.0
10°-20°	530.2	37.9
20°-30°	476.3	34.1
30°-40°	149.1	10.7
40°-50°	26.1	1.9
50°-60°	5.2	0.4
60°-70°	0.8	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°	1216.3	87.0
0°-40°	1365.4	97.7
0°-60°	1396.7	99.9
0°-90°	1397.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2252	
5°	2220	210
15°	1928	530
25°	1068	476
35°	208	149
45°	30	26
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761491

CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	2251.8
2.5°	2240.5
5°	2219.7
7.5°	2187.8
10°	2158.1
12.5°	2063.2
15°	1927.5
17.5°	1755.1
20°	1560.3
22.5°	1335.0
25°	1068.3
27.5°	785.4
30°	540.3
32.5°	351.8
35°	208.3
37.5°	119.6
40°	72.3
42.5°	47.1
45°	30.5
47.5°	18.6
50°	11.4
52.5°	7.8
55°	5.3
57.5°	3.6
60°	2.3
62.5°	1.3
65°	0.6
67.5°	0.2
70°	0.0
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°







(END OF REPORT)