

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: P761835

Luminaire Tested: LD6D15D010-EU6DR700215IC9050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 879.4 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



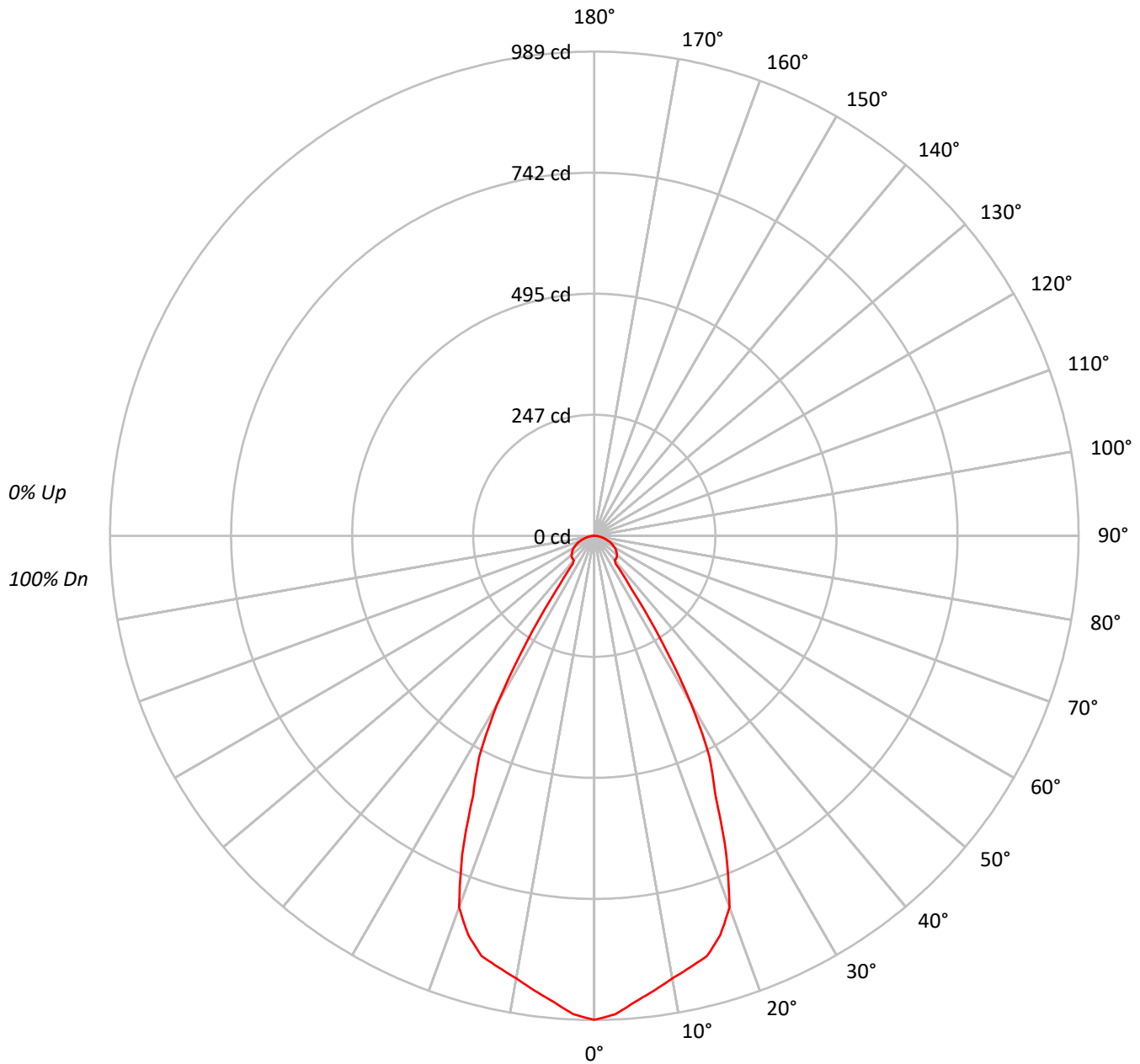
Downlight



TEST NUMBER: P761835

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9050-6LBDP1B

Luminous Intensity Polar Plot





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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108015
5°	104808
10°	101882
15°	100548
20°	93890
25°	70537
30°	49860
35°	17660
40°	9285
45°	9889
50°	10250
55°	10439
60°	10511
65°	10290
70°	9711
75°	8992
80°	7991
85°	6519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 10513 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	10.2
10°-20°	247.2	28.1
20°-30°	272.3	31.0
30°-40°	104.0	11.8
40°-50°	49.1	5.6
50°-60°	48.9	5.6
60°-70°	39.1	4.5
70°-80°	22.5	2.6
80°-90°	6.1	0.7
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°	609.7	69.3
0°-40°	713.7	81.2
0°-60°	811.6	92.3
0°-90°	879.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	879.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	989	
5°	956	90
15°	889	247
25°	585	272
35°	132	104
45°	64	49
55°	55	49
65°	40	39
75°	21	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	988.6
2.5°	978.3
5°	955.6
7.5°	936.7
10°	918.3
12.5°	902.9
15°	888.9
17.5°	855.2
20°	807.5
22.5°	704.5
25°	585.1
27.5°	509.4
30°	395.2
32.5°	255.3
35°	132.4
37.5°	71.5
40°	65.1
42.5°	64.6
45°	64.0
47.5°	62.6
50°	60.3
52.5°	57.6
55°	54.8
57.5°	51.7
60°	48.1
62.5°	44.0
65°	39.8
67.5°	35.1
70°	30.4
72.5°	25.7
75°	21.3
77.5°	16.7
80°	12.7
82.5°	8.9
85°	5.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)