

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: P761774

Luminaire Tested: LD6D15D010-EU6DR700215IC9024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761774
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-EU6DR700215IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 715.6 lumens
Efficiency: N/A
Efficacy: 45.3 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



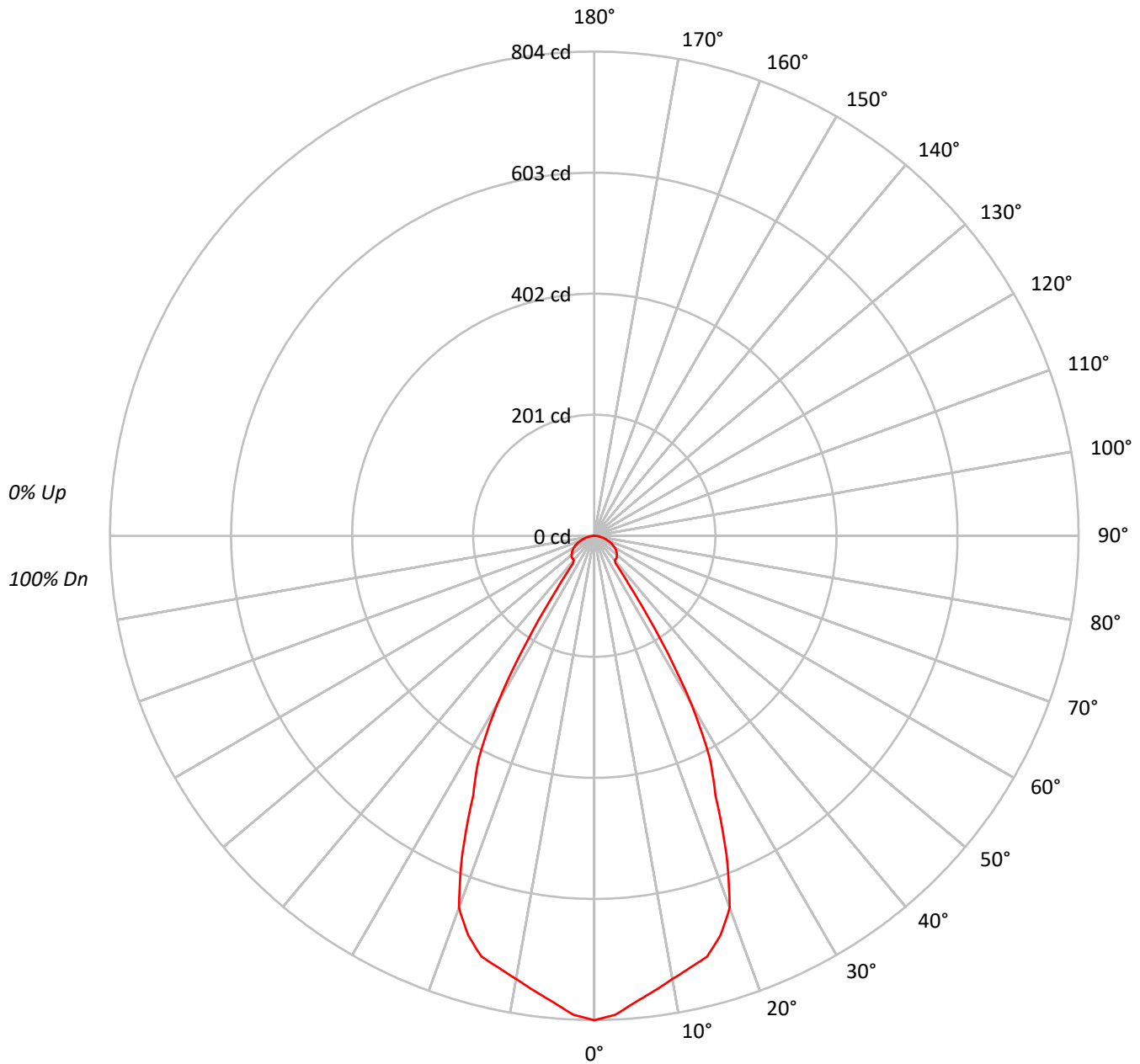
Downlight



TEST NUMBER: P761774

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9024-6LBDP1B

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°	87900
5°	85286
10°	82910
15°	81827
20°	76403
25°	57397
30°	40587
35°	14379
40°	7559
45°	8050
50°	8329
55°	8496
60°	8544
65°	8376
70°	7891
75°	7303
80°	6481
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 8561 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	10.2
10°-20°	201.2	28.1
20°-30°	221.6	31.0
30°-40°	84.7	11.8
40°-50°	40.0	5.6
50°-60°	39.8	5.6
60°-70°	31.8	4.4
70°-80°	18.3	2.6
80°-90°	5.0	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°	496.1	69.3
0°-40°	580.8	81.2
0°-60°	660.5	92.3
0°-90°	715.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	715.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	778	73
15°	723	201
25°	476	222
35°	108	85
45°	52	40
55°	45	40
65°	32	32
75°	17	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	804.5
2.5°	796.1
5°	777.6
7.5°	762.2
10°	747.3
12.5°	734.7
15°	723.4
17.5°	696.0
20°	657.1
22.5°	573.4
25°	476.1
27.5°	414.5
30°	321.7
32.5°	207.8
35°	107.8
37.5°	58.2
40°	53.0
42.5°	52.6
45°	52.1
47.5°	50.9
50°	49.0
52.5°	46.9
55°	44.6
57.5°	42.1
60°	39.1
62.5°	35.8
65°	32.4
67.5°	28.5
70°	24.7
72.5°	20.9
75°	17.3
77.5°	13.6
80°	10.3
82.5°	7.3
85°	4.2
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)