

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: P761814

Luminaire Tested: LD6D15D010-EU6DR700215IC9035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761814
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-EU6DR700215IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.6 lumens
Efficiency: N/A
Efficacy: 98.9 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



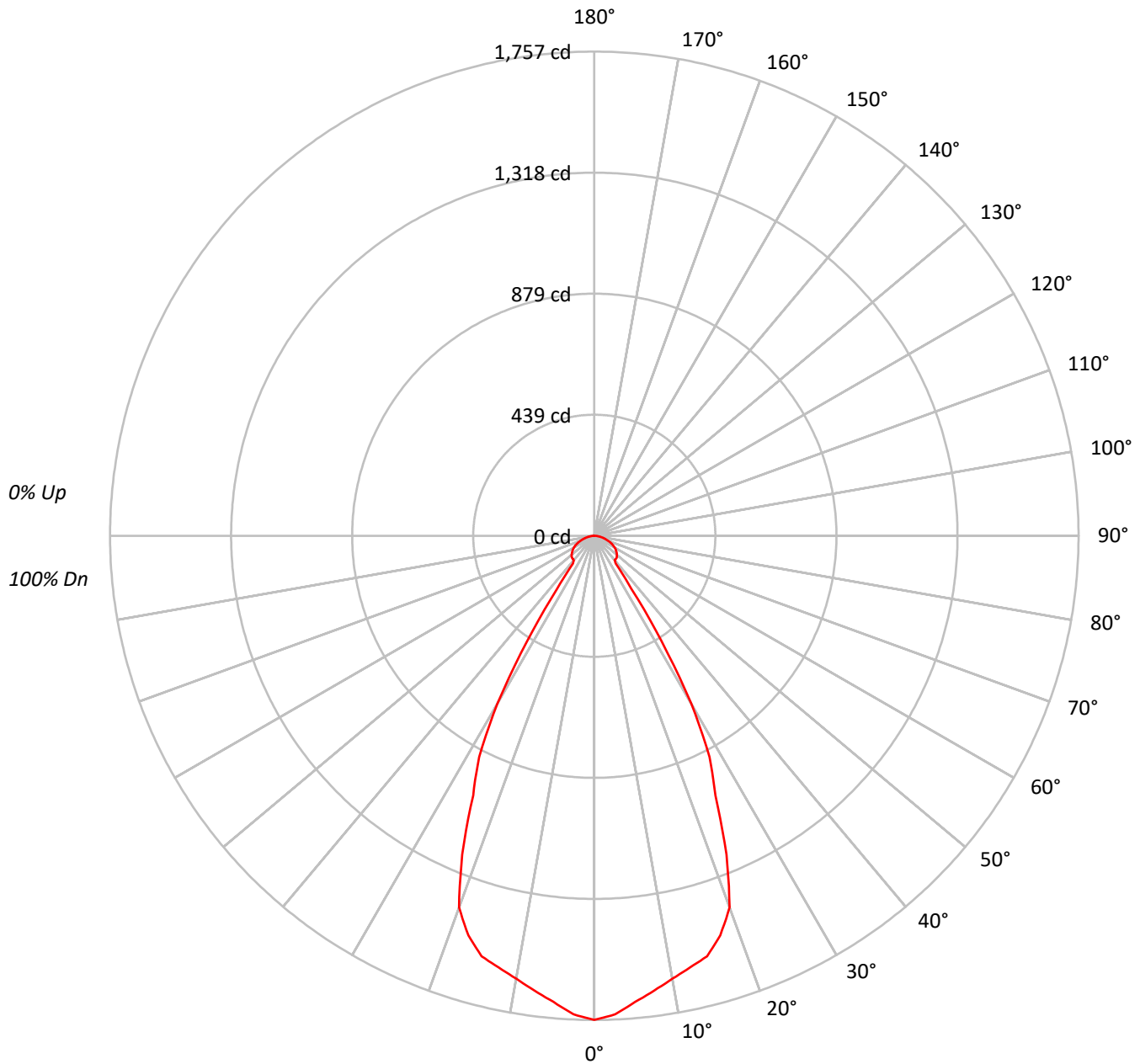
Downlight



TEST NUMBER: P761814

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9035-6LBDP1LI

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191949
5°	186255
10°	181053
15°	178677
20°	166852
25°	125342
30°	88605
35°	31385
40°	16502
45°	17584
50°	18205
55°	18535
60°	18662
65°	18252
70°	17251
75°	15957
80°	14157
85°	11533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 18668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	10.3
10°-20°	439.3	28.1
20°-30°	483.9	31.0
30°-40°	184.9	11.8
40°-50°	87.3	5.6
50°-60°	86.8	5.6
60°-70°	69.5	4.4
70°-80°	39.9	2.6
80°-90°	10.9	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°	1083.4	69.3
0°-40°	1268.3	81.2
0°-60°	1442.3	92.3
0°-90°	1562.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1757	
5°	1698	160
15°	1580	439
25°	1040	484
35°	235	185
45°	114	87
55°	97	87
65°	71	69
75°	38	40
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1756.8
2.5°	1738.4
5°	1698.2
7.5°	1664.5
10°	1631.9
12.5°	1604.4
15°	1579.6
17.5°	1519.9
20°	1435.0
22.5°	1252.0
25°	1039.7
27.5°	905.1
30°	702.3
32.5°	453.7
35°	235.3
37.5°	127.1
40°	115.7
42.5°	114.9
45°	113.8
47.5°	111.3
50°	107.1
52.5°	102.4
55°	97.3
57.5°	91.8
60°	85.4
62.5°	78.2
65°	70.6
67.5°	62.3
70°	54.0
72.5°	45.6
75°	37.8
77.5°	29.7
80°	22.5
82.5°	15.9
85°	9.2
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)