

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: P761062

Luminaire Tested: LD6D15D010-EU6DR2015309035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761062
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-EU6DR2015309035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1726.8 lumens
Efficiency: N/A
Efficacy: 109.3 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



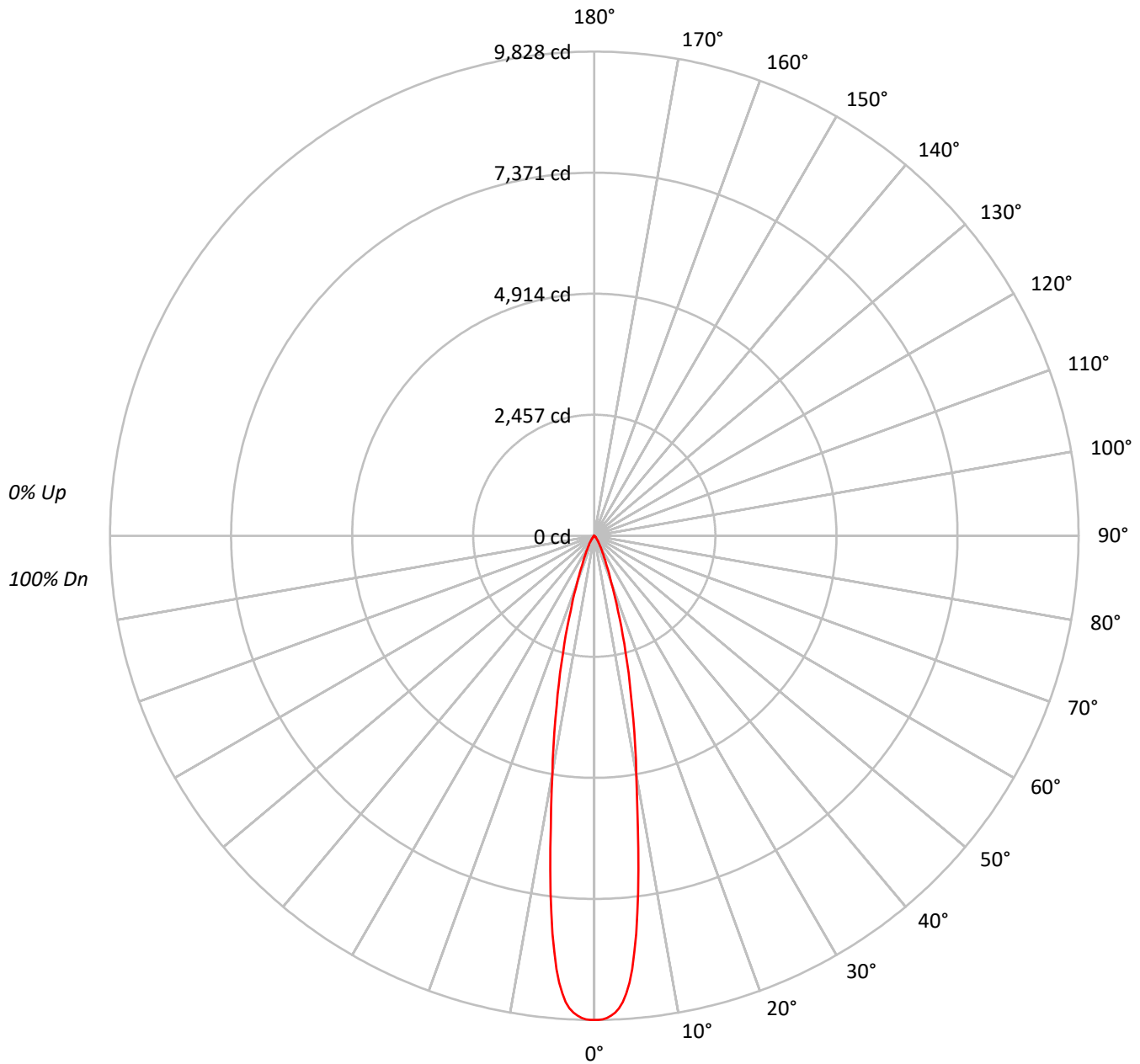
Downlight



TEST NUMBER: P761062

CATALOG NUMBER: LD6D15D010-EU6DR2015309035-6LBS1LI

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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85			
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83			
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81			
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79			
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77			
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1073847
5°	968820
10°	543748
15°	276397
20°	117029
25°	54021
30°	28601
35°	15406
40°	8244
45°	4867
50°	2822
55°	1505
60°	961
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4867 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.8	40.5
10°-20°	689.0	39.9
20°-30°	225.1	13.0
30°-40°	76.6	4.4
40°-50°	25.8	1.5
50°-60°	7.8	0.4
60°-70°	2.6	0.2
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°	1613.9	93.5
0°-40°	1690.5	97.9
0°-60°	1724.1	99.8
0°-90°	1726.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9828	
5°	8833	700
15°	2444	689
25°	448	225
35°	116	77
45°	32	26
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9828.3
0.5°	9828.3
1°	9816.1
1.5°	9791.6
2°	9747.0
2.5°	9687.4
3°	9603.4
3.5°	9486.1
4°	9312.0
4.5°	9100.2
5°	8833.3
5.5°	8482.3
6°	8122.6
6.5°	7710.4
7°	7306.9
7.5°	6834.3
8°	6412.5
8.5°	5988.0
9°	5595.9
9.5°	5236.2
10°	4901.0
12.5°	3519.1
15°	2443.5
17.5°	1596.3
20°	1006.5
22.5°	652.0
25°	448.1
27.5°	315.1
30°	226.7
32.5°	162.8
35°	115.5
37.5°	80.5
40°	57.8
42.5°	42.0
45°	31.5
47.5°	24.5
50°	16.6
52.5°	10.5
55°	7.9
57.5°	6.1
60°	4.4
62.5°	3.5
65°	2.6



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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



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— 0°-180°







67.5°	1.8
70°	0.9



(END OF REPORT)