

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: P763893

Luminaire Tested: LD6D30D010-EU6DR2015309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763893
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: LD6D30D010-EU6DR2015309027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3221.7 lumens
Efficiency: N/A
Efficacy: 111.1 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): 29
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



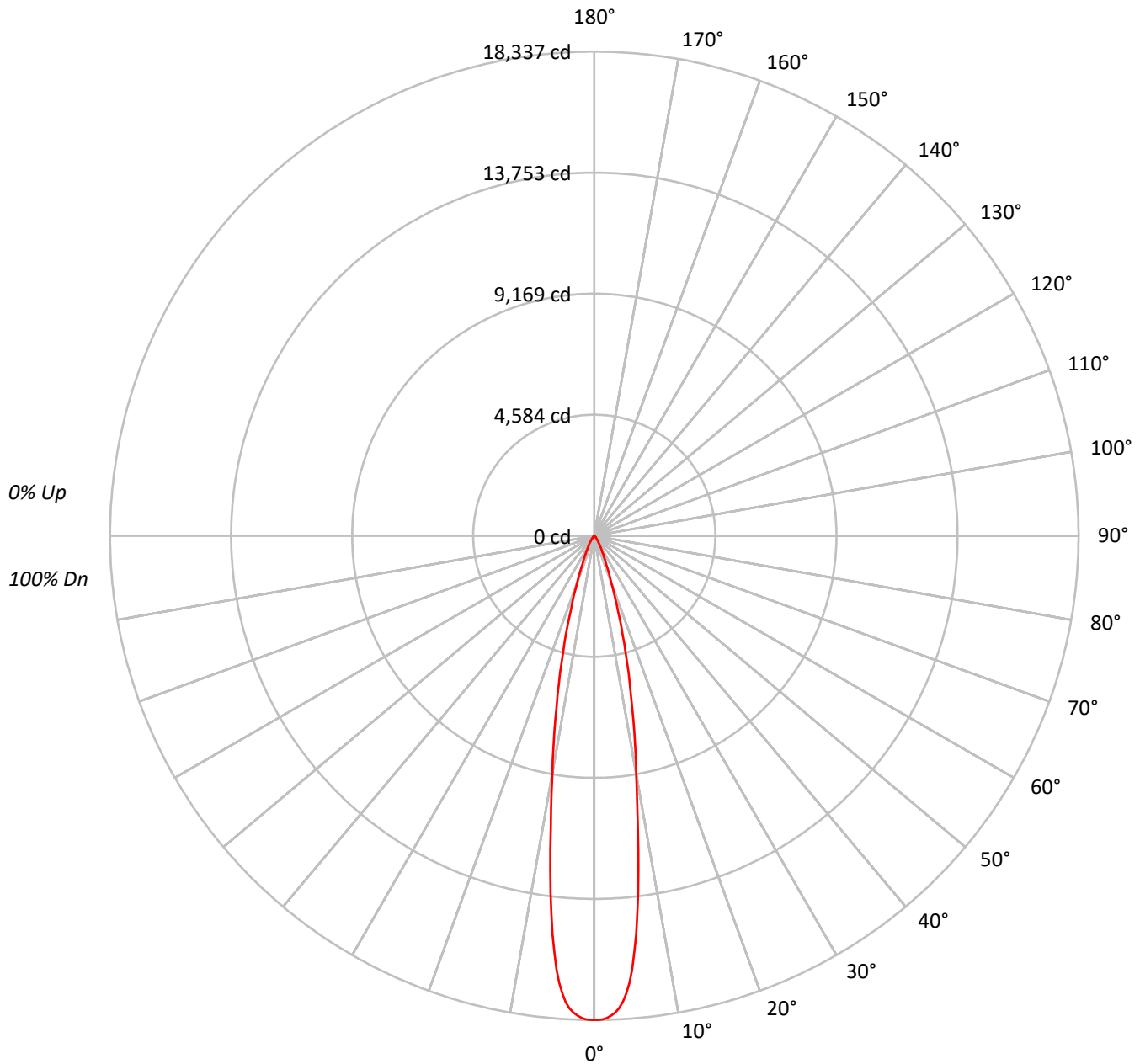
Downlight



TEST NUMBER: P763893

CATALOG NUMBER: LD6D30D010-EU6DR2015309027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P763893

CATALOG NUMBER: LD6D30D010-EU6DR2015309027-6LBS1B

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°	2003558
5°	1807583
10°	1014515
15°	515692
20°	218337
25°	100785
30°	53355
35°	28744
40°	15375
45°	9086
50°	5269
55°	2800
60°	1792
65°	1267
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9086 cd/sqm



TEST NUMBER: P763893

CATALOG NUMBER: LD6D30D010-EU6DR2015309027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1305.6	40.5
10°-20°	1285.6	39.9
20°-30°	420.0	13.0
30°-40°	143.0	4.4
40°-50°	48.1	1.5
50°-60°	14.5	0.4
60°-70°	4.8	0.1
70°-80°	0.2	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°	3011.2	93.5
0°-40°	3154.1	97.9
0°-60°	3216.7	99.8
0°-90°	3221.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3221.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18337	
5°	16481	###
15°	4559	1286
25°	836	420
35°	216	143
45°	59	48
55°	15	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763893

CATALOG NUMBER: LD6D30D010-EU6DR2015309027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	18337.4
0.5°	18337.4
1°	18314.5
1.5°	18268.8
2°	18185.5
2.5°	18074.5
3°	17917.7
3.5°	17698.9
4°	17374.0
4.5°	16978.8
5°	16480.8
5.5°	15826.0
6°	15154.9
6.5°	14385.8
7°	13633.0
7.5°	12751.2
8°	11964.2
8.5°	11172.2
9°	10440.7
9.5°	9769.6
10°	9144.2
12.5°	6565.9
15°	4559.0
17.5°	2978.4
20°	1877.8
22.5°	1216.5
25°	836.0
27.5°	587.8
30°	422.9
32.5°	303.7
35°	215.5
37.5°	150.2
40°	107.8
42.5°	78.4
45°	58.8
47.5°	45.7
50°	31.0
52.5°	19.6
55°	14.7
57.5°	11.4
60°	8.2
62.5°	6.5
65°	4.9



TEST NUMBER: P763893

CATALOG NUMBER: LD6D30D010-EU6DR2015309027-6LBS1B

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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







67.5°	3.3
70°	1.6



(END OF REPORT)