

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: P763879

Luminaire Tested: LD6D30D010-EU6DR2015309024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763879
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-EU6DR2015309024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2715.4 lumens
Efficiency: N/A
Efficacy: 93.6 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



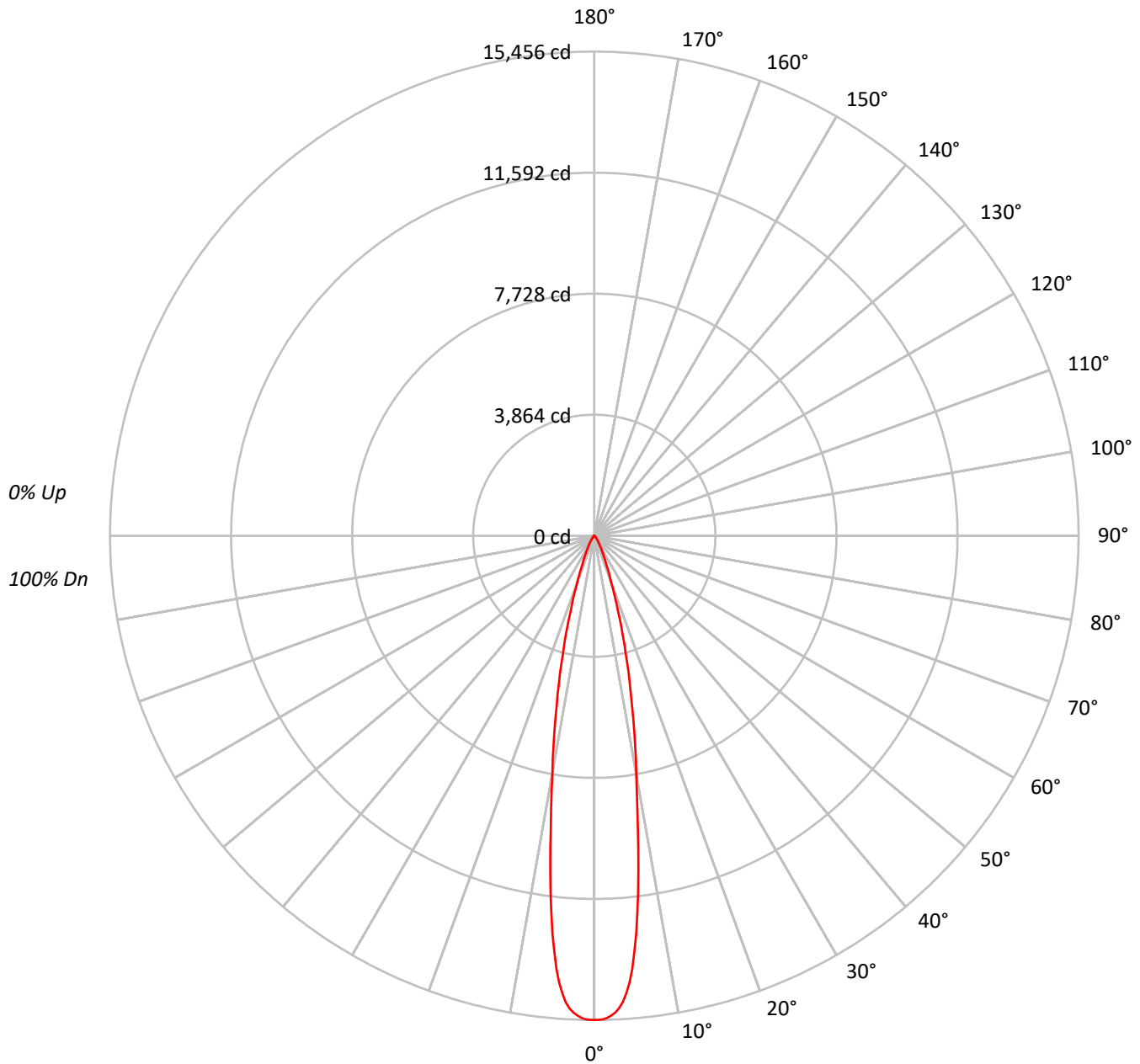
Downlight



TEST NUMBER: P763879

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P763879

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBDP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1688701
5°	1523517
10°	855085
15°	434656
20°	184025
25°	84956
30°	44977
35°	24236
40°	12951
45°	7649
50°	4436
55°	2362
60°	1508
65°	1060
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7649 cd/sqm



TEST NUMBER: P763879

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.4	40.5
10°-20°	1083.6	39.9
20°-30°	354.0	13.0
30°-40°	120.5	4.4
40°-50°	40.5	1.5
50°-60°	12.2	0.4
60°-70°	4.1	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°	2538.0	93.5
0°-40°	2658.5	97.9
0°-60°	2711.2	99.8
0°-90°	2715.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2715.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15456	
5°	13891	###
15°	3843	1084
25°	705	354
35°	182	121
45°	50	41
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763879

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	15455.7
0.5°	15455.7
1°	15436.4
1.5°	15397.9
2°	15327.7
2.5°	15234.1
3°	15102.0
3.5°	14917.5
4°	14643.7
4.5°	14310.6
5°	13890.8
5.5°	13338.9
6°	12773.3
6.5°	12125.1
7°	11490.6
7.5°	10747.4
8°	10084.0
8.5°	9416.5
9°	8800.0
9.5°	8234.3
10°	7707.2
12.5°	5534.0
15°	3842.6
17.5°	2510.3
20°	1582.7
22.5°	1025.3
25°	704.7
27.5°	495.5
30°	356.5
32.5°	256.0
35°	181.7
37.5°	126.6
40°	90.8
42.5°	66.1
45°	49.5
47.5°	38.5
50°	26.1
52.5°	16.5
55°	12.4
57.5°	9.6
60°	6.9
62.5°	5.5
65°	4.1



TEST NUMBER: P763879

CATALOG NUMBER: LD6D30D010-EU6DR2015309024-6LBDP1MW

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°	2.8
70°	1.4



(END OF REPORT)