

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: P763930

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763930
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-EU6DR2015309040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3847.0 lumens
Efficiency: N/A
Efficacy: 132.7 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



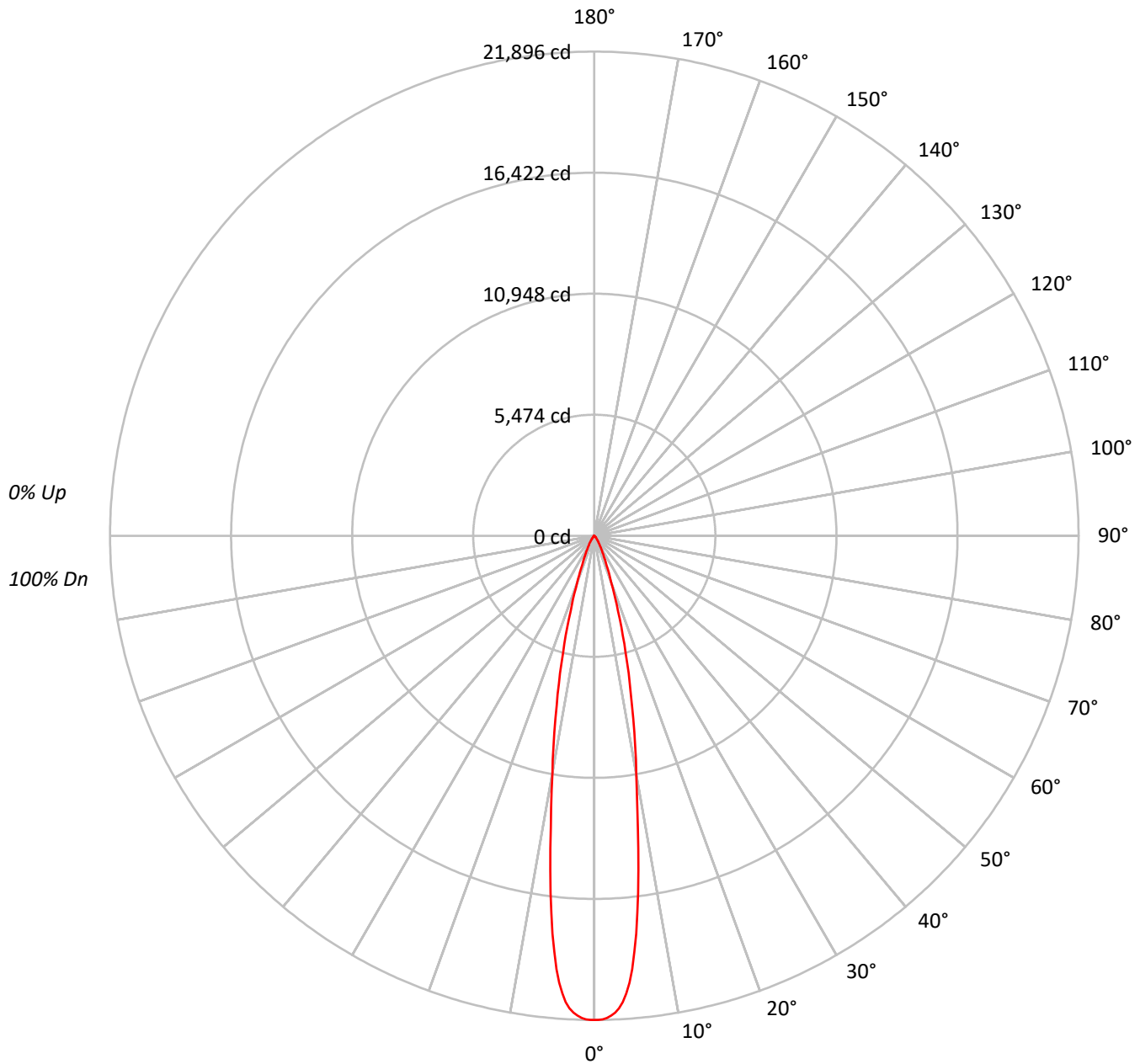
Downlight



TEST NUMBER: P763930

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P763930

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LB DP1LI

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°	2392406
5°	2158399
10°	1211411
15°	615776
20°	260719
25°	120351
30°	63713
35°	34333
40°	18356
45°	10847
50°	6289
55°	3334
60°	2120
65°	1499
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10847 cd/sqm



TEST NUMBER: P763930

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1559.0	40.5
10°-20°	1535.1	39.9
20°-30°	501.5	13.0
30°-40°	170.8	4.4
40°-50°	57.4	1.5
50°-60°	17.3	0.4
60°-70°	5.7	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°	3595.6	93.5
0°-40°	3766.3	97.9
0°-60°	3841.0	99.8
0°-90°	3847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21896	
5°	19679	###
15°	5444	1535
25°	998	501
35°	257	171
45°	70	57
55°	18	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763930

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	21896.3
0.5°	21896.3
1°	21869.0
1.5°	21814.4
2°	21714.9
2.5°	21582.4
3°	21395.2
3.5°	21133.9
4°	20745.9
4.5°	20274.0
5°	19679.4
5.5°	18897.5
6°	18096.1
6.5°	17177.8
7°	16278.9
7.5°	15226.0
8°	14286.2
8.5°	13340.5
9°	12467.0
9.5°	11665.7
10°	10918.9
12.5°	7840.2
15°	5443.8
17.5°	3556.4
20°	2242.3
22.5°	1452.6
25°	998.3
27.5°	701.9
30°	505.0
32.5°	362.7
35°	257.4
37.5°	179.4
40°	128.7
42.5°	93.6
45°	70.2
47.5°	54.6
50°	37.0
52.5°	23.4
55°	17.5
57.5°	13.6
60°	9.7
62.5°	7.8
65°	5.8



TEST NUMBER: P763930

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBDP1LI

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°	3.9
70°	1.9



(END OF REPORT)