

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: P763934

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763934
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-EU6DR2015309040-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 4049.6 lumens
Efficiency: N/A
Efficacy: 139.6 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 (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



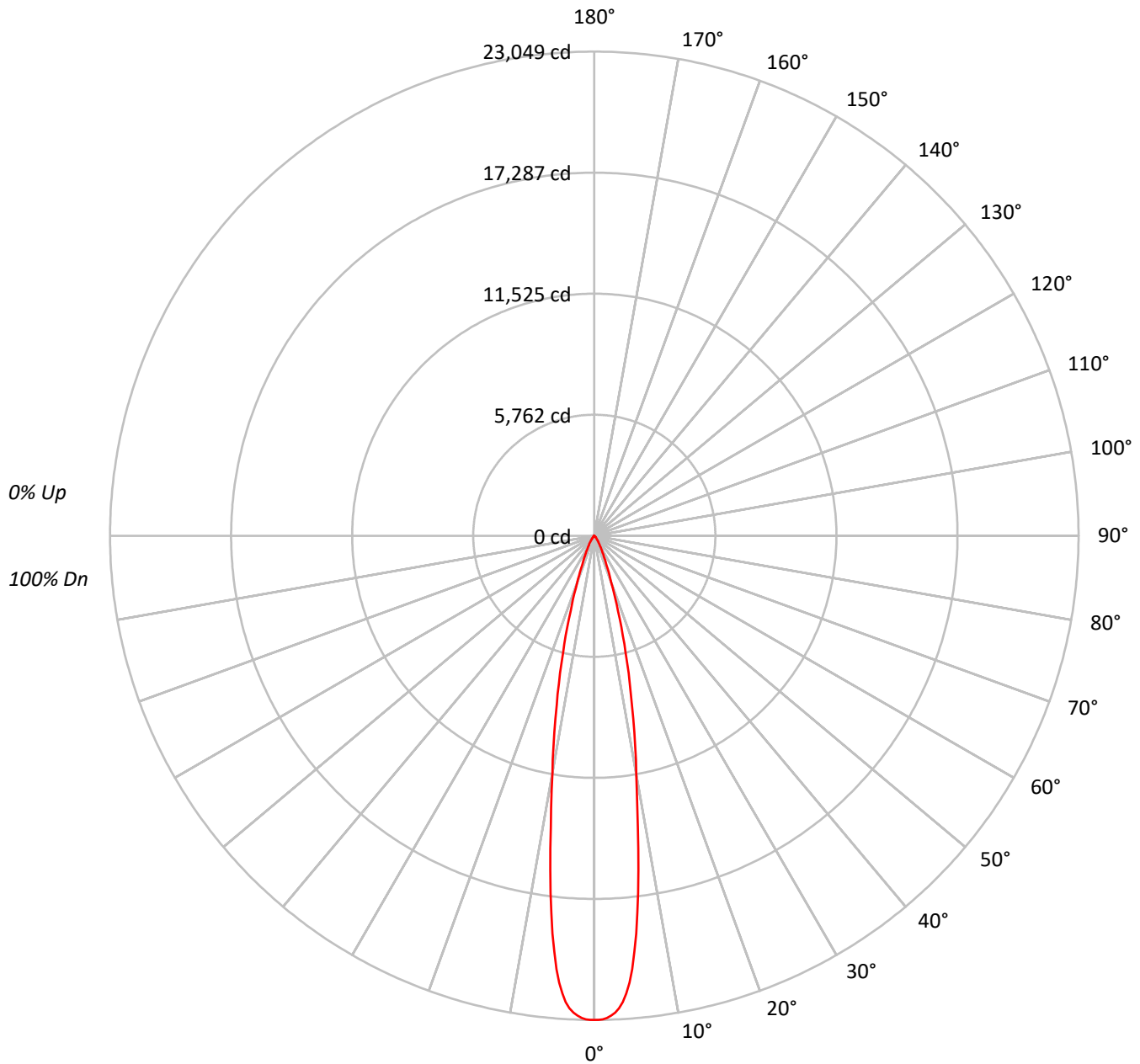
Downlight



TEST NUMBER: P763934

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBS1LI

Luminous Intensity Polar Plot



TEST NUMBER: P763934

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBS1LI

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°	2518318
5°	2271993
10°	1275172
15°	648195
20°	274439
25°	126680
30°	67068
35°	36133
40°	19326
45°	11419
50°	6629
55°	3524
60°	2251
65°	1603
70°	671
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11419 cd/sqm



TEST NUMBER: P763934

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1641.0	40.5
10°-20°	1615.9	39.9
20°-30°	527.9	13.0
30°-40°	179.7	4.4
40°-50°	60.4	1.5
50°-60°	18.2	0.4
60°-70°	6.1	0.2
70°-80°	0.3	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°	3784.8	93.5
0°-40°	3964.6	97.9
0°-60°	4043.2	99.8
0°-90°	4049.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4049.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23049	
5°	20715	###
15°	5730	1616
25°	1051	528
35°	271	180
45°	74	60
55°	18	18
65°	6	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763934

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	23048.7
0.5°	23048.7
1°	23020.0
1.5°	22962.5
2°	22857.8
2.5°	22718.3
3°	22521.2
3.5°	22246.2
4°	21837.8
4.5°	21341.1
5°	20715.1
5.5°	19892.1
6°	19048.5
6.5°	18081.8
7°	17135.7
7.5°	16027.4
8°	15038.1
8.5°	14042.7
9°	13123.2
9.5°	12279.6
10°	11493.6
12.5°	8252.8
15°	5730.4
17.5°	3743.6
20°	2360.3
22.5°	1529.1
25°	1050.8
27.5°	738.9
30°	531.6
32.5°	381.8
35°	270.9
37.5°	188.8
40°	135.5
42.5°	98.5
45°	73.9
47.5°	57.5
50°	39.0
52.5°	24.6
55°	18.5
57.5°	14.4
60°	10.3
62.5°	8.2
65°	6.2



TEST NUMBER: P763934

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBS1LI

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°	4.1
70°	2.1



(END OF REPORT)