

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: P763921

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763921
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-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: 3940.6 lumens
Efficiency: N/A
Efficacy: 135.9 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



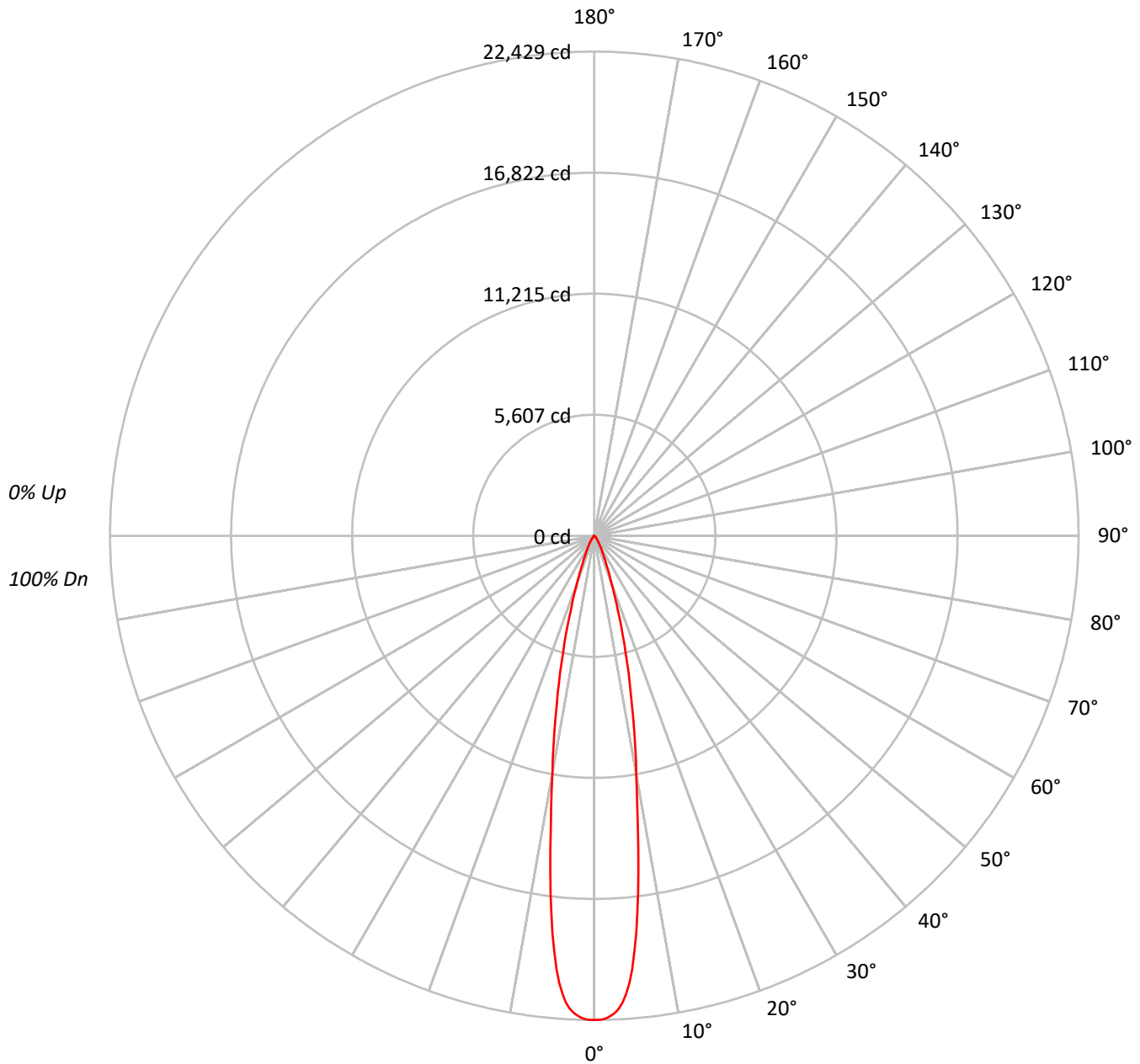
Downlight



TEST NUMBER: P763921

CATALOG NUMBER: LD6D30D010-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
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°	2450566
5°	2210869
10°	1240856
15°	630752
20°	267056
25°	123280
30°	65264
35°	35160
40°	18799
45°	11110
50°	6442
55°	3429
60°	2185
65°	1551
70°	639
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1596.9	40.5
10°-20°	1572.4	39.9
20°-30°	513.7	13.0
30°-40°	174.9	4.4
40°-50°	58.8	1.5
50°-60°	17.7	0.4
60°-70°	5.9	0.1
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°	3683.0	93.5
0°-40°	3857.9	97.9
0°-60°	3934.4	99.8
0°-90°	3940.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22429	
5°	20158	###
15°	5576	1572
25°	1023	514
35°	264	175
45°	72	59
55°	18	18
65°	6	6
75°	0	0
85°	0	0
90°	0	

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CATALOG NUMBER: LD6D30D010-EU6DR2015309035-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	22428.6
0.5°	22428.6
1°	22400.6
1.5°	22344.7
2°	22242.8
2.5°	22107.0
3°	21915.3
3.5°	21647.7
4°	21250.2
4.5°	20766.9
5°	20157.8
5.5°	19356.9
6°	18536.0
6.5°	17595.3
7°	16674.6
7.5°	15596.1
8°	14633.5
8.5°	13664.8
9°	12770.1
9.5°	11949.3
10°	11184.3
12.5°	8030.7
15°	5576.2
17.5°	3642.9
20°	2296.8
22.5°	1487.9
25°	1022.6
27.5°	719.0
30°	517.3
32.5°	371.5
35°	263.6
37.5°	183.7
40°	131.8
42.5°	95.9
45°	71.9
47.5°	55.9
50°	37.9
52.5°	24.0
55°	18.0
57.5°	14.0
60°	10.0
62.5°	8.0
65°	6.0



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CATALOG NUMBER: LD6D30D010-EU6DR2015309035-6LBS1LI

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



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— 0°-180°







67.5°	4.0
70°	2.0



(END OF REPORT)