

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: P760872

Luminaire Tested: LD6D15D010-EU6DR1015209024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1015209024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 10° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1333.1 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.17 / 0.17 / 0.18
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



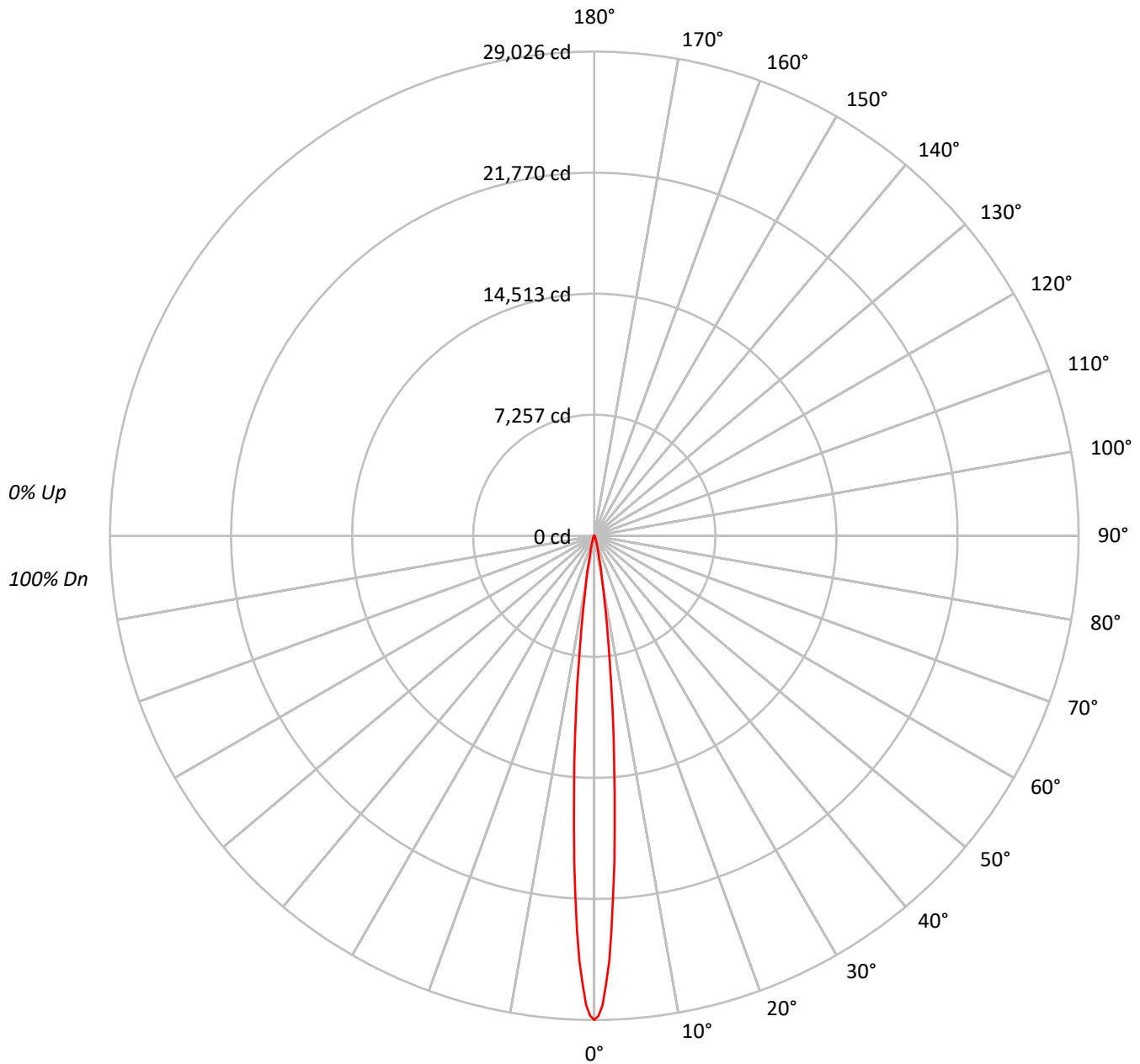
Downlight



TEST NUMBER: P760872

CATALOG NUMBER: LD6D15D010-EU6DR1015209024-6LBS1LI

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	116	114	113	111		114	112	111	109		108	107	106			104	104	103			98
2	113	110	108	106		111	108	106	104		105	104	102			103	101	100			97
3	111	107	104	102		109	106	103	101		103	101	99			101	99	98			95
4	108	104	101	99		107	103	100	98		101	99	97			99	97	96			94
5	106	102	99	96		105	101	98	96		99	97	95			98	96	94			93
6	104	100	96	94		103	99	96	94		98	95	93			97	94	93			91
7	103	98	95	93		102	97	94	92		96	94	92			95	93	92			90
8	101	96	93	91		100	96	93	91		95	92	91			94	92	90			89
9	100	95	92	90		99	94	92	90		94	91	90			93	91	89			88
10	98	94	91	89		98	93	91	89		93	90	88			92	90	88			87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3171425
5°	1503884
10°	308420
15°	84678
20°	34126
25°	18288
30°	10812
35°	7043
40°	4707
45°	3059
50°	1683
55°	1257
60°	721
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	947.9	71.1
10°-20°	256.5	19.2
20°-30°	73.4	5.5
30°-40°	33.6	2.5
40°-50°	15.4	1.2
50°-60°	5.1	0.4
60°-70°	1.2	0.1
70°-80°	0.0	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°	1277.9	95.9
0°-40°	1311.4	98.4
0°-60°	1331.9	99.9
0°-90°	1333.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1333.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29026	
5°	13712	948
15°	749	257
25°	152	73
35°	53	34
45°	20	15
55°	7	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29026.2
0.5°	28775.6
1°	28132.5
1.5°	26892.6
2°	25504.3
2.5°	23670.8
3°	21632.8
3.5°	19660.8
4°	17533.8
4.5°	15575.0
5°	13711.8
5.5°	12023.4
6°	10414.1
6.5°	8999.4
7°	7667.1
7.5°	6529.4
8°	5520.3
8.5°	4636.5
9°	3871.5
9.5°	3287.8
10°	2779.9
12.5°	1325.7
15°	748.6
17.5°	455.1
20°	293.5
22.5°	204.5
25°	151.7
27.5°	112.1
30°	85.7
32.5°	66.0
35°	52.8
37.5°	39.6
40°	33.0
42.5°	26.4
45°	19.8
47.5°	13.2
50°	9.9
52.5°	6.6
55°	6.6
57.5°	3.3
60°	3.3
62.5°	3.3
65°	0.0



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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°	0.0
70°	0.0



(END OF REPORT)