

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: P762047

Luminaire Tested: LD6D20D010-EU6DR2015309035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762047
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: LD6D20D010-EU6DR2015309035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.2 lumens
Efficiency: N/A
Efficacy: 91.5 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): 23.1
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



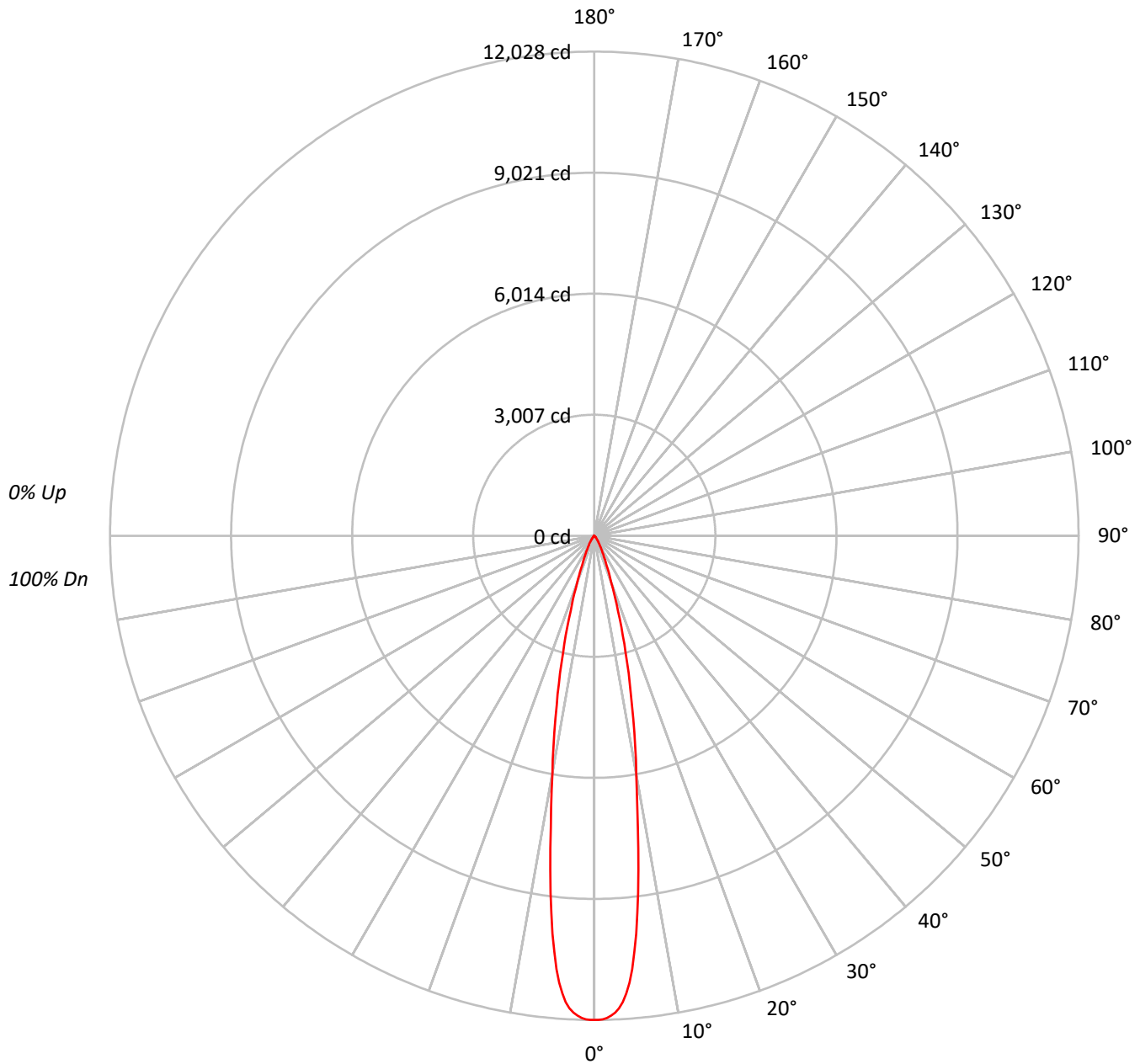
Downlight



TEST NUMBER: P762047

CATALOG NUMBER: LD6D20D010-EU6DR2015309035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P762047

CATALOG NUMBER: LD6D20D010-EU6DR2015309035-6LBS1B

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°	1314145
5°	1185609
10°	665434
15°	338248
20°	143213
25°	66113
30°	34998
35°	18860
40°	10084
45°	5964
50°	3451
55°	1829
60°	1180
65°	827
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5964 cd/sqm



TEST NUMBER: P762047

CATALOG NUMBER: LD6D20D010-EU6DR2015309035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.4	40.5
10°-20°	843.2	39.9
20°-30°	275.5	13.0
30°-40°	93.8	4.4
40°-50°	31.5	1.5
50°-60°	9.5	0.4
60°-70°	3.2	0.1
70°-80°	0.1	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°	1975.1	93.5
0°-40°	2068.9	97.9
0°-60°	2109.9	99.8
0°-90°	2113.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12028	
5°	10810	856
15°	2990	843
25°	548	275
35°	141	94
45°	39	32
55°	10	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762047

CATALOG NUMBER: LD6D20D010-EU6DR2015309035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	12027.6
0.5°	12027.6
1°	12012.6
1.5°	11982.7
2°	11928.0
2.5°	11855.2
3°	11752.4
3.5°	11608.9
4°	11395.7
4.5°	11136.5
5°	10809.9
5.5°	10380.4
6°	9940.2
6.5°	9435.8
7°	8942.0
7.5°	8363.7
8°	7847.4
8.5°	7328.0
9°	6848.2
9.5°	6408.0
10°	5997.8
12.5°	4306.6
15°	2990.3
17.5°	1953.6
20°	1231.7
22.5°	797.9
25°	548.4
27.5°	385.6
30°	277.4
32.5°	199.2
35°	141.4
37.5°	98.5
40°	70.7
42.5°	51.4
45°	38.6
47.5°	30.0
50°	20.3
52.5°	12.9
55°	9.6
57.5°	7.5
60°	5.4
62.5°	4.3
65°	3.2



TEST NUMBER: P762047

CATALOG NUMBER: LD6D20D010-EU6DR2015309035-6LBS1B

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°	2.1
70°	1.1



(END OF REPORT)