

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: P762068

Luminaire Tested: LD6D20D010-EU6DR2015309050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762068
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-EU6DR2015309050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.1 lumens
Efficiency: N/A
Efficacy: 88.1 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



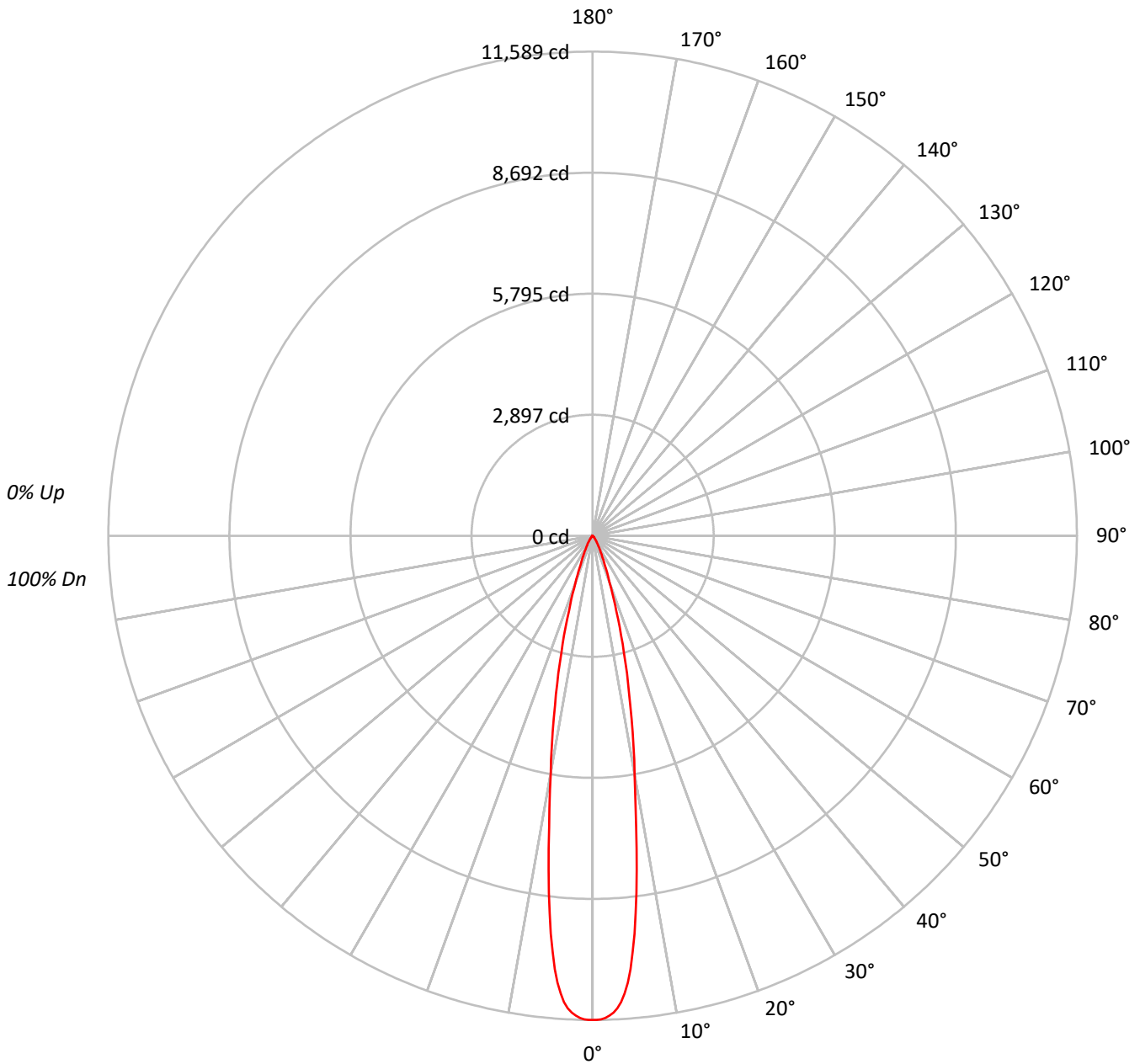
Downlight



TEST NUMBER: P762068

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P762068

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBCSSQMW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1266245
5°	1142385
10°	641170
15°	325918
20°	137993
25°	63702
30°	33723
35°	18167
40°	9713
45°	5748
50°	3332
55°	1772
60°	1136
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5748 cd/sqm



TEST NUMBER: P762068

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.1	40.5
10°-20°	812.5	39.9
20°-30°	265.4	13.0
30°-40°	90.4	4.4
40°-50°	30.4	1.5
50°-60°	9.2	0.4
60°-70°	3.1	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°	1903.0	93.5
0°-40°	1993.4	97.9
0°-60°	2032.9	99.8
0°-90°	2036.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11589	
5°	10416	825
15°	2881	812
25°	528	265
35°	136	90
45°	37	30
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762068

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	11589.2
0.5°	11589.2
1°	11574.7
1.5°	11545.8
2°	11493.2
2.5°	11423.0
3°	11324.0
3.5°	11185.7
4°	10980.3
4.5°	10730.6
5°	10415.8
5.5°	10002.0
6°	9577.8
6.5°	9091.8
7°	8616.0
7.5°	8058.8
8°	7561.3
8.5°	7060.8
9°	6598.5
9.5°	6174.4
10°	5779.1
12.5°	4149.6
15°	2881.3
17.5°	1882.3
20°	1186.8
22.5°	768.8
25°	528.4
27.5°	371.5
30°	267.3
32.5°	191.9
35°	136.2
37.5°	94.9
40°	68.1
42.5°	49.5
45°	37.2
47.5°	28.9
50°	19.6
52.5°	12.4
55°	9.3
57.5°	7.2
60°	5.2
62.5°	4.1
65°	3.1



TEST NUMBER: P762068
CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBCSSQMW

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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



67.5°		2.1
70°		1.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)