

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: P762077

Luminaire Tested: LD6D20D010-EU6DR2015309050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762077
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-EU6DR2015309050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1741.4 lumens
Efficiency: N/A
Efficacy: 75.4 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



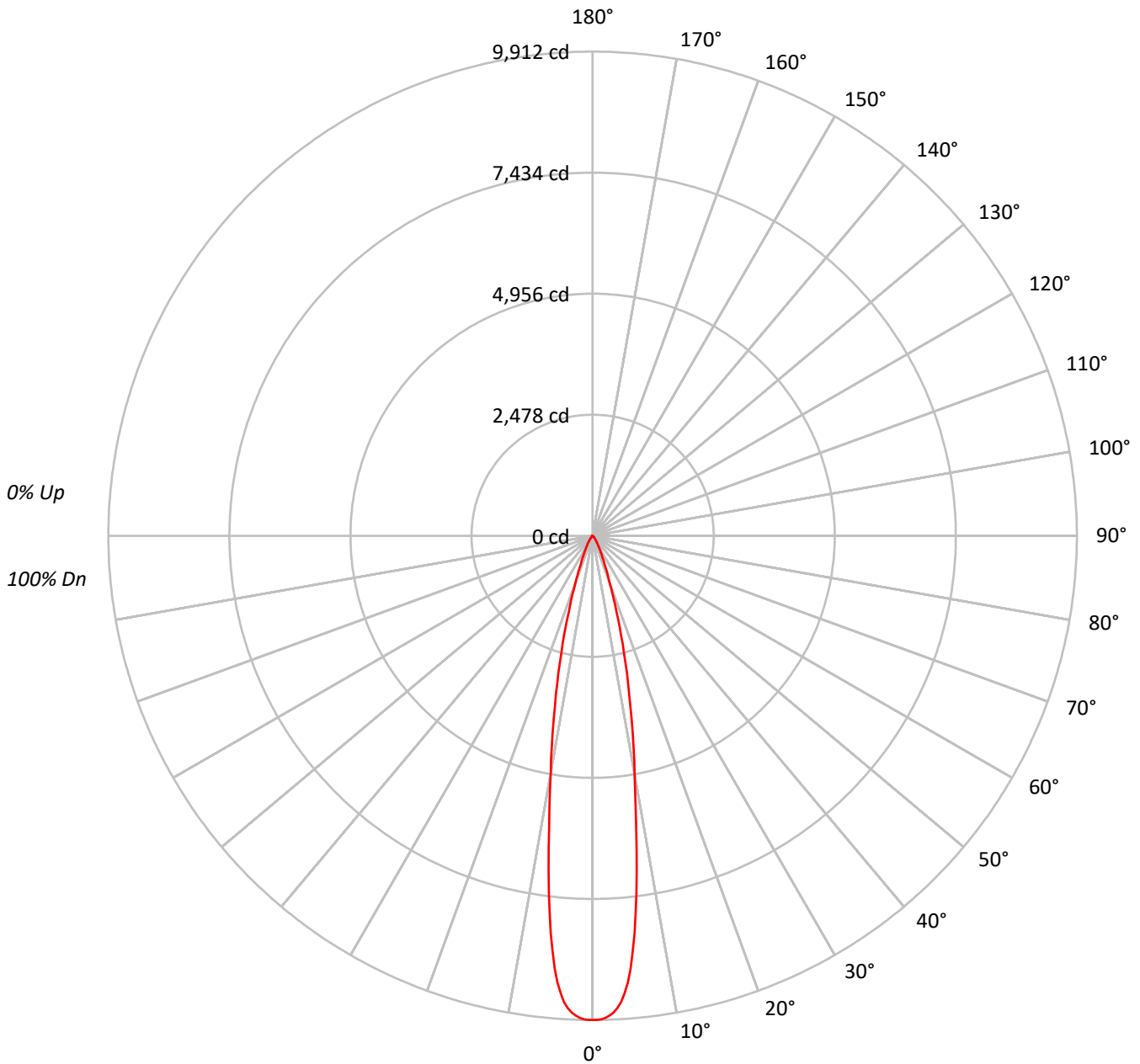
Downlight



TEST NUMBER: P762077

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P762077

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBSQW1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	99	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	75															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1082938
5°	977013
10°	548352
15°	278738
20°	118017
25°	54479
30°	28841
35°	15539
40°	8315
45°	4914
50°	2856
55°	1505
60°	961
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4914 cd/sqm



TEST NUMBER: P762077

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.7	40.5
10°-20°	694.9	39.9
20°-30°	227.0	13.0
30°-40°	77.3	4.4
40°-50°	26.0	1.5
50°-60°	7.8	0.4
60°-70°	2.6	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°	1627.6	93.5
0°-40°	1704.8	97.9
0°-60°	1738.7	99.8
0°-90°	1741.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9912	
5°	8908	706
15°	2464	695
25°	452	227
35°	116	77
45°	32	26
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762077

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	9911.5
0.5°	9911.5
1°	9899.1
1.5°	9874.4
2°	9829.4
2.5°	9769.4
3°	9684.6
3.5°	9566.4
4°	9390.7
4.5°	9177.2
5°	8908.0
5.5°	8554.1
6°	8191.3
6.5°	7775.6
7°	7368.7
7.5°	6892.1
8°	6466.7
8.5°	6038.7
9°	5643.3
9.5°	5280.5
10°	4942.5
12.5°	3548.9
15°	2464.2
17.5°	1609.8
20°	1015.0
22.5°	657.5
25°	451.9
27.5°	317.7
30°	228.6
32.5°	164.2
35°	116.5
37.5°	81.2
40°	58.3
42.5°	42.4
45°	31.8
47.5°	24.7
50°	16.8
52.5°	10.6
55°	7.9
57.5°	6.2
60°	4.4
62.5°	3.5
65°	2.6



TEST NUMBER: P762077

CATALOG NUMBER: LD6D20D010-EU6DR2015309050-6LBSQW1B

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



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°		1.8
70°		0.9

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

Scaled Data Report



(END OF REPORT)