

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: P763936

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763936
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-EU6DR2015309040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2928.5 lumens
Efficiency: N/A
Efficacy: 101.0 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 (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



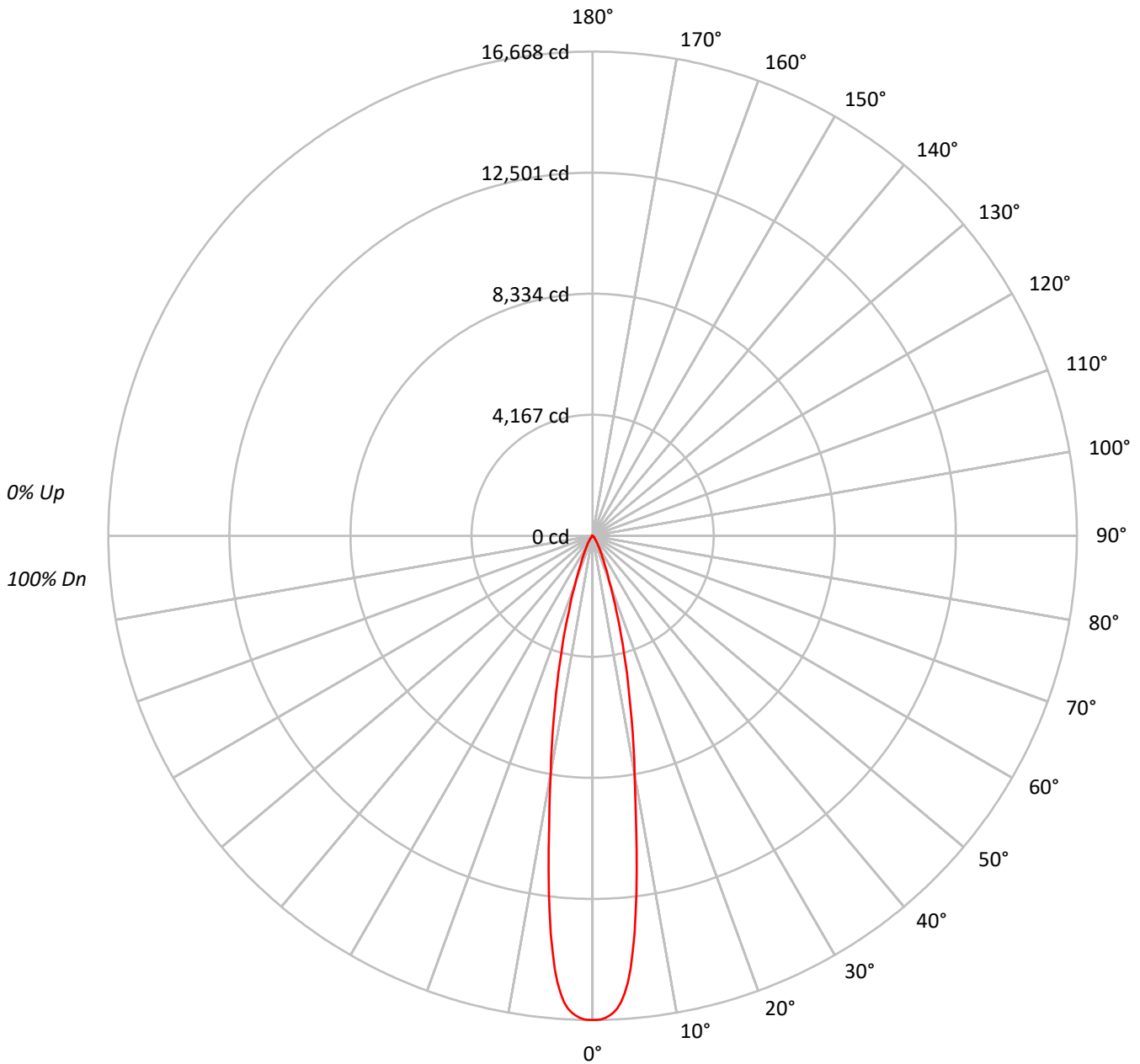
Downlight



TEST NUMBER: P763936

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P763936

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBSQW1B

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	98	96	95	94															
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°	1821191
5°	1643055
10°	922174
15°	468760
20°	198466
25°	91610
30°	48497
35°	26130
40°	13978
45°	8251
50°	4793
55°	2553
60°	1617
65°	1163
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8251 cd/sqm



TEST NUMBER: P763936

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1186.8	40.5
10°-20°	1168.6	39.9
20°-30°	381.7	13.0
30°-40°	130.0	4.4
40°-50°	43.7	1.5
50°-60°	13.2	0.4
60°-70°	4.4	0.1
70°-80°	0.2	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°	2737.1	93.5
0°-40°	2867.1	97.9
0°-60°	2923.9	99.8
0°-90°	2928.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2928.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16668	
5°	14981	###
15°	4144	1169
25°	760	382
35°	196	130
45°	53	44
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763936

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	16668.3
0.5°	16668.3
1°	16647.5
1.5°	16606.0
2°	16530.3
2.5°	16429.3
3°	16286.8
3.5°	16088.0
4°	15792.6
4.5°	15433.4
5°	14980.7
5.5°	14385.5
6°	13775.5
6.5°	13076.4
7°	12392.1
7.5°	11590.6
8°	10875.2
8.5°	10155.3
9°	9490.4
9.5°	8880.4
10°	8311.9
12.5°	5968.2
15°	4144.1
17.5°	2707.3
20°	1706.9
22.5°	1105.8
25°	759.9
27.5°	534.3
30°	384.4
32.5°	276.1
35°	195.9
37.5°	136.6
40°	98.0
42.5°	71.2
45°	53.4
47.5°	41.6
50°	28.2
52.5°	17.8
55°	13.4
57.5°	10.4
60°	7.4
62.5°	5.9
65°	4.5



TEST NUMBER: P763936

CATALOG NUMBER: LD6D30D010-EU6DR2015309040-6LBSQW1B

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





67.5°		3.0
70°		1.5

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

Scaled Data Report



(END OF REPORT)