

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: P760016

Luminaire Tested: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760016
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: LD6D10D010-EU6DR200210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 65.6 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): 11.7
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

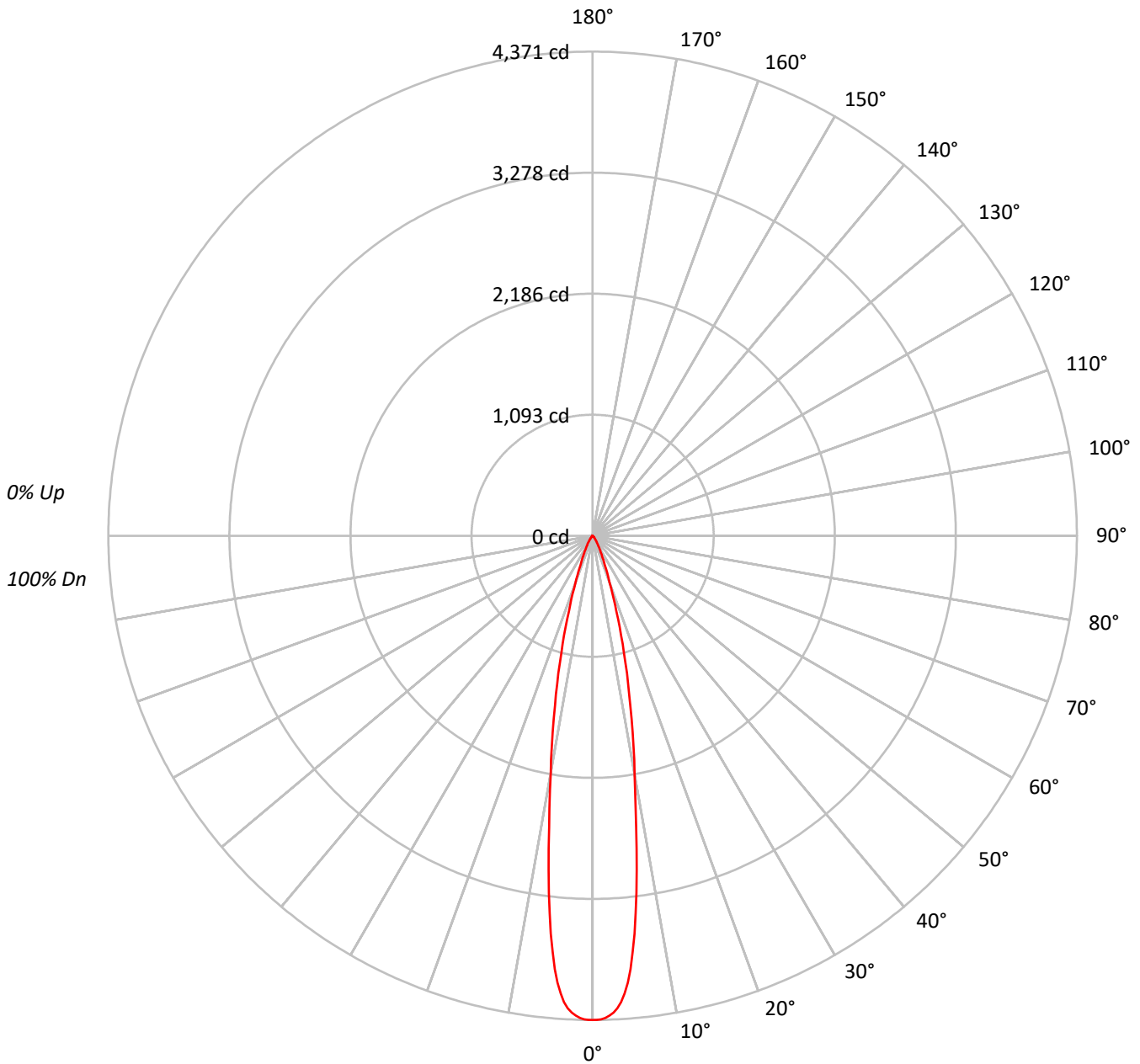


Downlight



TEST NUMBER: P760016
CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P760016

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477622
5°	430903
10°	241841
15°	122933
20°	52044
25°	24027
30°	12717
35°	6856
40°	3666
45°	2163
50°	1258
55°	667
60°	415
65°	310
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2163 cd/sqm



TEST NUMBER: P760016

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.2	40.5
10°-20°	306.5	39.9
20°-30°	100.1	13.0
30°-40°	34.1	4.4
40°-50°	11.5	1.5
50°-60°	3.4	0.4
60°-70°	1.2	0.2
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°	717.8	93.5
0°-40°	751.9	97.9
0°-60°	766.8	99.8
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4371	
5°	3929	311
15°	1087	306
25°	199	100
35°	51	34
45°	14	11
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P760016

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	4371.4
0.5°	4371.4
1°	4365.9
1.5°	4355.0
2°	4335.2
2.5°	4308.7
3°	4271.3
3.5°	4219.2
4°	4141.7
4.5°	4047.5
5°	3928.8
5.5°	3772.7
6°	3612.7
6.5°	3429.4
7°	3249.9
7.5°	3039.7
8°	2852.1
8.5°	2663.3
9°	2488.9
9.5°	2328.9
10°	2179.8
12.5°	1565.2
15°	1086.8
17.5°	710.0
20°	447.6
22.5°	290.0
25°	199.3
27.5°	140.1
30°	100.8
32.5°	72.4
35°	51.4
37.5°	35.8
40°	25.7
42.5°	18.7
45°	14.0
47.5°	10.9
50°	7.4
52.5°	4.7
55°	3.5
57.5°	2.7
60°	1.9
62.5°	1.6
65°	1.2



TEST NUMBER: P760016
CATALOG NUMBER: LD6D10D010-EU6DR200210IC9024-6LBSQW1B

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





— 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°		0.8
70°		0.4

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

Scaled Data Report



(END OF REPORT)