

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



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: P763845

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR1515309035-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2936.9 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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



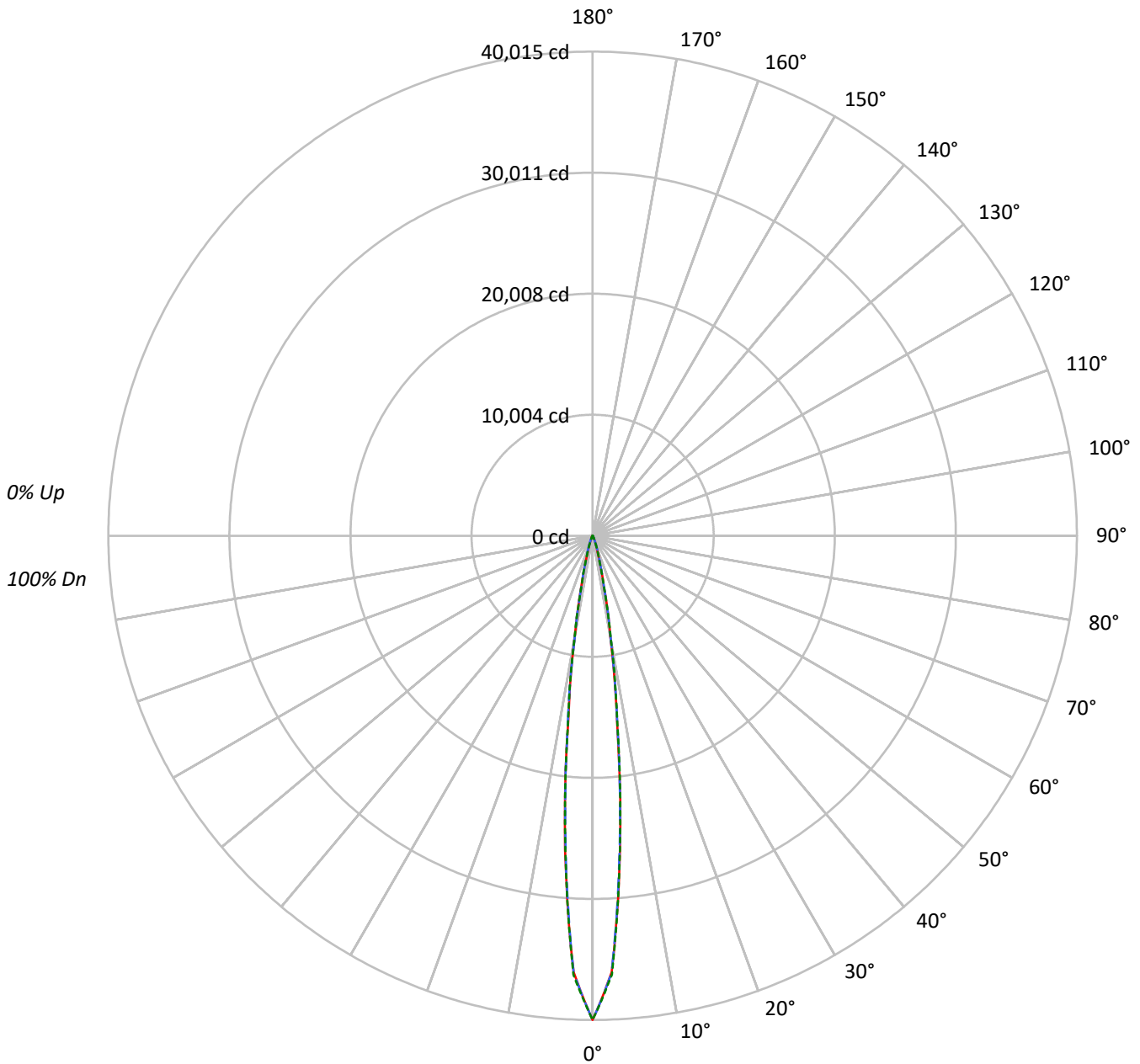
Downlight



TEST NUMBER: P763845

CATALOG NUMBER: LD6D30D010-EU6DR1515309035-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P763845

CATALOG NUMBER: LD6D30D010-EU6DR1515309035-6LBSQW1B

**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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4502486	4502486	4502486
5°	2645868	2611609	2632270
10°	789671	795205	807372
15°	196427	200248	194064
20°	58765	68052	60017
25°	20722	26393	20979
30°	7608	10019	7735
35°	3813	4306	3689
40°	2407	2649	2407
45°	1778	1897	1778
50°	1412	1412	1412
55°	1176	1176	1176
60°	955	955	955
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1897 cd/sqm



TEST NUMBER: P763845

CATALOG NUMBER: LD6D30D010-EU6DR1515309035-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1904.8	64.9
10°-20°	783.5	26.7
20°-30°	155.6	5.3
30°-40°	38.8	1.3
40°-50°	20.4	0.7
50°-60°	15.1	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	0.1
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°	2843.9	96.8
0°-40°	2882.7	98.2
0°-60°	2918.3	99.4
0°-90°	2936.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2936.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40015	40015	40015	40015	40015	
5°	26035	25767	25698	25875	25901	1901
15°	2262	2304	2306	2265	2234	775
25°	266	302	339	300	269	140
35°	52	56	59	56	51	36
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P763845

CATALOG NUMBER: LD6D30D010-EU6DR1515309035-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	40015.0	40015.0	40015.0	40015.0	40015.0
2.5°	36095.1	36125.6	36137.5	36173.0	36305.2
5°	26034.6	25767.0	25697.5	25875.4	25900.8
7.5°	15421.9	15476.1	15674.3	15718.3	15559.1
10°	8463.1	8532.5	8522.4	8583.3	8652.8
12.5°	4328.1	4273.9	4256.9	4326.4	4229.8
15°	2261.5	2303.8	2305.5	2264.8	2234.3
17.5°	1216.3	1265.4	1346.7	1280.6	1179.0
20°	718.2	762.3	831.7	777.5	733.5
22.5°	443.8	479.4	528.5	486.2	450.6
25°	266.0	301.5	338.8	299.8	269.3
27.5°	157.5	188.0	211.7	186.3	155.8
30°	101.6	118.6	133.8	116.9	103.3
32.5°	71.1	77.9	84.7	77.9	71.1
35°	52.5	55.9	59.3	55.9	50.8
37.5°	40.7	44.0	45.7	42.3	39.0
40°	33.9	35.6	37.3	35.6	33.9
42.5°	28.8	30.5	30.5	30.5	28.8
45°	25.4	25.4	27.1	25.4	25.4
47.5°	22.0	22.0	23.7	22.0	22.0
50°	20.3	20.3	20.3	20.3	20.3
52.5°	18.6	18.6	18.6	18.6	18.6
55°	16.9	16.9	16.9	16.9	16.9
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.6	13.6	13.6	13.6	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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°    - - 45°-225°    - - - - 90°-270°

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



(END OF REPORT)