

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: P761204

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR300215IC9030-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1035.6 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
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

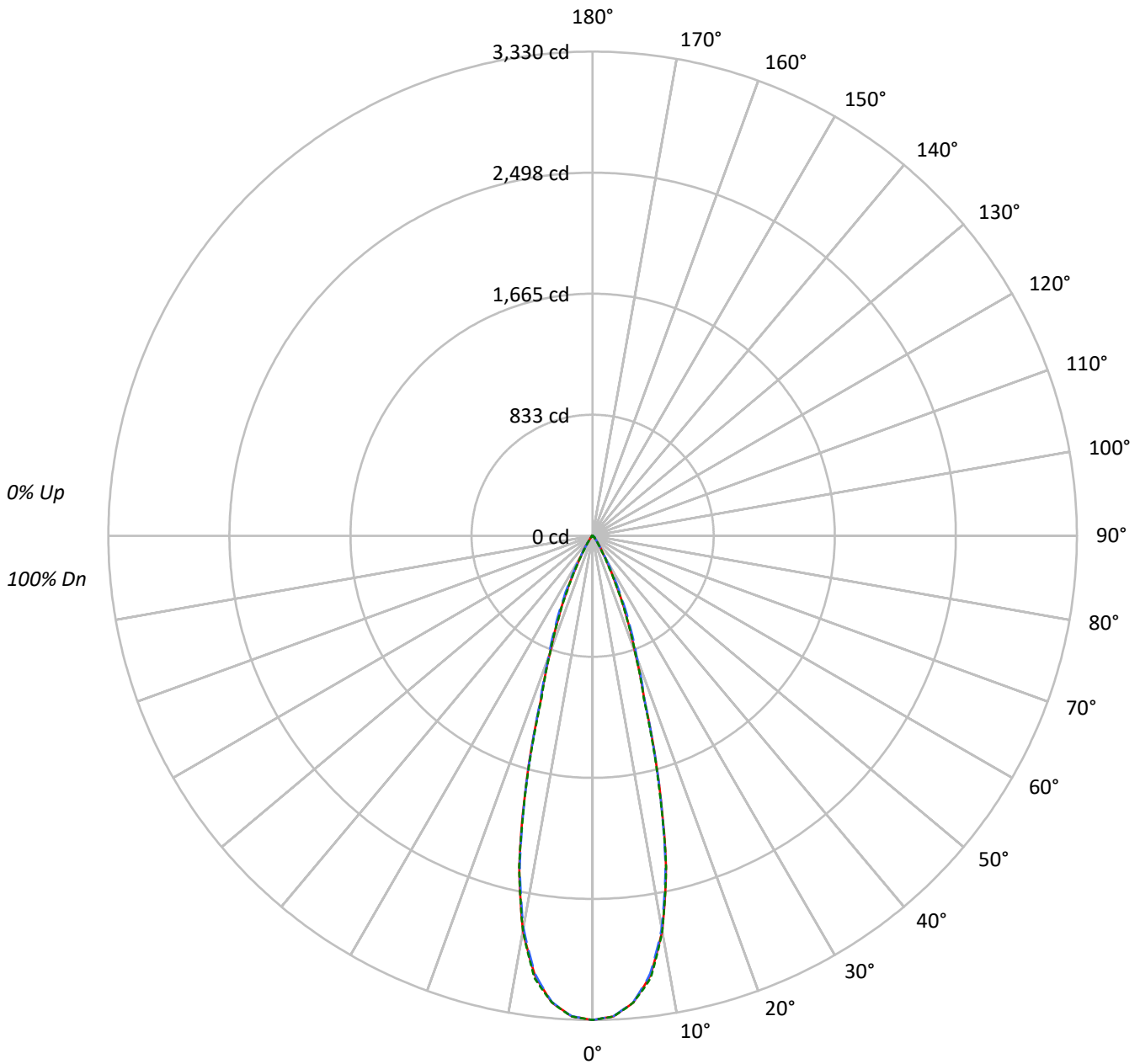


Downlight



TEST NUMBER: P761204  
CATALOG NUMBER: LD6D15D010-EU6DR300215IC9030-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P761204

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9030-6LBSQW1B

**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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	254897	254897	254897
5°	247580	247288	247596
10°	214441	212933	214394
15°	139912	139168	138462
20°	69571	72186	69482
25°	35041	39517	34331
30°	14035	15291	12224
35°	6513	6233	5223
40°	2808	3118	2648
45°	1981	2457	1992
50°	679	1798	726
55°	387	747	414
60°	276	321	276
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2457 cd/sqm



TEST NUMBER: P761204

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9030-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.8	28.3
10°-20°	471.6	45.5
20°-30°	203.8	19.7
30°-40°	46.4	4.5
40°-50°	15.9	1.5
50°-60°	3.9	0.4
60°-70°	1.0	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°	968.2	93.5
0°-40°	1014.7	98.0
0°-60°	1034.5	99.9
0°-90°	1035.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3330	3330	3330	3330	3330	
5°	3222	3219	3218	3225	3222	293
15°	1766	1744	1756	1750	1747	473
25°	415	431	468	420	406	199
35°	70	71	67	66	56	47
45°	18	23	23	23	18	13
55°	3	3	6	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P761204

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9030-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3330.1	3330.1	3330.1	3330.1	3330.1
2.5°	3308.0	3305.8	3307.1	3308.7	3309.4
5°	3222.2	3219.1	3218.4	3225.1	3222.4
7.5°	3049.1	3044.7	3038.0	3053.1	3067.3
10°	2759.0	2754.1	2739.6	2746.7	2758.4
12.5°	2330.8	2315.0	2314.6	2337.5	2334.4
15°	1765.6	1744.3	1756.2	1750.4	1747.3
17.5°	1187.3	1179.1	1194.8	1190.1	1169.7
20°	854.1	856.2	886.2	871.1	853.0
22.5°	623.3	630.9	666.4	627.7	613.5
25°	414.9	430.6	467.9	419.7	406.5
27.5°	255.2	262.4	300.2	251.9	244.8
30°	158.8	155.2	173.0	148.5	138.3
32.5°	104.2	99.6	105.3	94.5	86.3
35°	69.7	71.1	66.7	66.2	55.9
37.5°	43.5	50.0	44.1	47.1	36.0
40°	28.1	36.3	31.2	34.5	26.5
42.5°	23.0	28.0	25.7	27.3	23.5
45°	18.3	22.7	22.7	22.7	18.4
47.5°	10.1	15.2	19.5	15.5	10.8
50°	5.7	7.7	15.1	8.0	6.1
52.5°	3.9	4.4	10.3	4.6	4.1
55°	2.9	3.1	5.6	3.3	3.1
57.5°	2.3	2.5	2.9	2.5	2.3
60°	1.8	1.8	2.1	1.9	1.8
62.5°	1.3	1.3	1.5	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)