

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: P791193

Luminaire Tested: LER6D30D010-EC6DR1515309027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791193  
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: LER6D30D010-EC6DR1515309027-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3273.1 lumens  
Efficiency: N/A  
Efficacy: 112.9 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

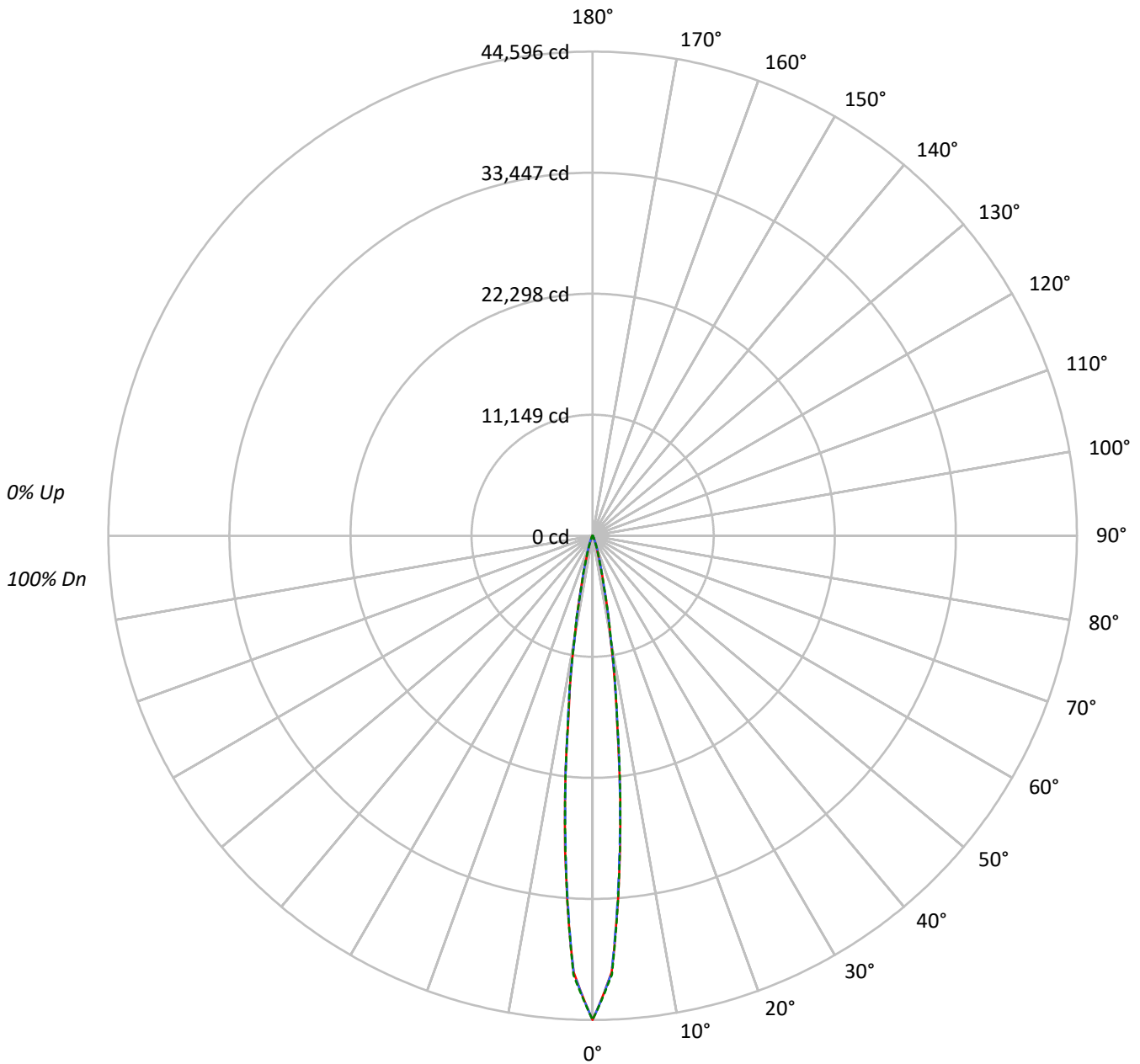
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791193  
CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P791193

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBDP1LI

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

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

	0°	45°	90°
0°	5017883	5017883	5017883
5°	2948742	2910560	2933589
10°	880059	886226	899793
15°	218905	223170	216282
20°	65499	75842	66890
25°	23090	29415	23386
30°	8484	11165	8626
35°	4248	4800	4110
40°	2684	2947	2684
45°	1981	2114	1981
50°	1578	1578	1578
55°	1316	1316	1316
60°	1060	1060	1060
65°	806	806	806
70°	687	687	687
75°	431	431	574
80°	300	300	300
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2114 cd/sqm



TEST NUMBER: P791193

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2122.8	64.9
10°-20°	873.2	26.7
20°-30°	173.4	5.3
30°-40°	43.3	1.3
40°-50°	22.8	0.7
50°-60°	16.9	0.5
60°-70°	11.9	0.4
70°-80°	6.8	0.2
80°-90°	2.1	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°	3169.4	96.8
0°-40°	3212.7	98.2
0°-60°	3252.4	99.4
0°-90°	3273.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3273.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	44596	44596	44596	44596	44596	
5°	29015	28716	28639	28837	28866	2119
15°	2520	2568	2569	2524	2490	864
25°	296	336	378	334	300	156
35°	58	62	66	62	57	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P791193

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	44595.5	44595.5	44595.5	44595.5	44595.5
2.5°	40226.9	40260.9	40274.1	40313.8	40461.0
5°	29014.8	28716.5	28639.1	28837.3	28865.7
7.5°	17187.2	17247.7	17468.5	17517.6	17340.2
10°	9431.8	9509.2	9497.9	9565.9	9643.3
12.5°	4823.5	4763.1	4744.2	4821.6	4714.0
15°	2520.3	2567.5	2569.4	2524.1	2490.1
17.5°	1355.5	1410.2	1500.9	1427.2	1314.0
20°	800.5	849.5	926.9	866.5	817.5
22.5°	494.6	534.3	589.0	541.8	502.2
25°	296.4	336.0	377.6	334.2	300.2
27.5°	175.6	209.6	236.0	207.7	173.7
30°	113.3	132.2	149.1	130.3	115.2
32.5°	79.3	86.8	94.4	86.8	79.3
35°	58.5	62.3	66.1	62.3	56.6
37.5°	45.3	49.1	51.0	47.2	43.4
40°	37.8	39.6	41.5	39.6	37.8
42.5°	32.1	34.0	34.0	34.0	32.1
45°	28.3	28.3	30.2	28.3	28.3
47.5°	24.5	24.5	26.4	24.5	24.5
50°	22.7	22.7	22.7	22.7	22.7
52.5°	20.8	20.8	20.8	20.8	20.8
55°	18.9	18.9	18.9	18.9	18.9
57.5°	17.0	17.0	17.0	17.0	17.0
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	11.3
67.5°	11.3	11.3	11.3	11.3	11.3
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.6	7.6	7.6	7.6	7.6
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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)