

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: P791197

Luminaire Tested: LER6D30D010-EC6DR1515309027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791197  
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-EC6DR1515309027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 3445.4 lumens  
Efficiency: N/A  
Efficacy: 118.8 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

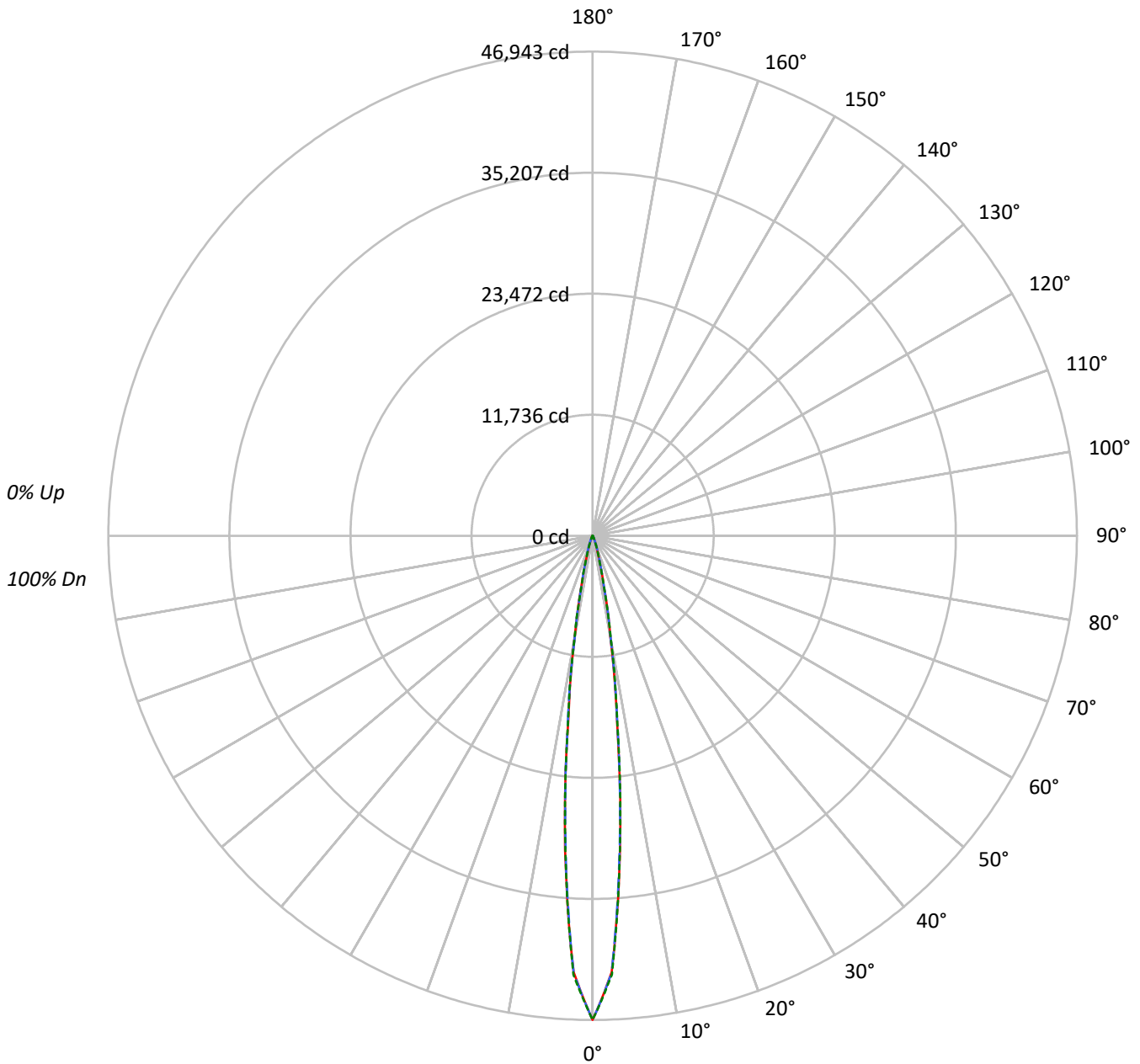


Downlight

TEST NUMBER: P791197

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P791197

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBS1LI

**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°	5281979	5281979	5281979
5°	3103940	3063746	3087984
10°	926386	932871	947147
15°	230431	234913	227669
20°	68944	79835	70409
25°	24305	30958	24617
30°	8926	11756	9076
35°	4473	5054	4328
40°	2819	3103	2819
45°	2086	2226	2086
50°	1655	1655	1655
55°	1385	1385	1385
60°	1116	1116	1116
65°	849	849	849
70°	724	724	724
75°	454	454	597
80°	315	315	315
85°	166	166	166

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2226 cd/sqm



TEST NUMBER: P791197

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2234.6	64.9
10°-20°	919.1	26.7
20°-30°	182.6	5.3
30°-40°	45.6	1.3
40°-50°	23.9	0.7
50°-60°	17.8	0.5
60°-70°	12.5	0.4
70°-80°	7.1	0.2
80°-90°	2.2	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°	3336.3	96.8
0°-40°	3381.8	98.2
0°-60°	3423.5	99.4
0°-90°	3445.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3445.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	46943	46943	46943	46943	46943	
5°	30542	30228	30146	30355	30385	2230
15°	2653	2703	2705	2657	2621	910
25°	312	354	397	352	316	164
35°	62	66	70	66	60	42
45°	30	30	32	30	30	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	13
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P791197

CATALOG NUMBER: LER6D30D010-EC6DR1515309027-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	46942.6	46942.6	46942.6	46942.6	46942.6
2.5°	42344.1	42379.9	42393.8	42435.5	42590.5
5°	30541.9	30227.9	30146.4	30355.1	30384.9
7.5°	18091.8	18155.4	18387.9	18439.6	18252.8
10°	9928.3	10009.7	9997.8	10069.3	10150.8
12.5°	5077.4	5013.8	4993.9	5075.4	4962.1
15°	2653.0	2702.6	2704.6	2656.9	2621.2
17.5°	1426.8	1484.5	1579.9	1502.4	1383.1
20°	842.6	894.3	975.7	912.1	860.5
22.5°	520.7	562.4	620.0	570.3	528.6
25°	312.0	353.7	397.4	351.7	316.0
27.5°	184.8	220.6	248.4	218.6	182.8
30°	119.2	139.1	157.0	137.1	121.2
32.5°	83.5	91.4	99.4	91.4	83.5
35°	61.6	65.6	69.6	65.6	59.6
37.5°	47.7	51.7	53.7	49.7	45.7
40°	39.7	41.7	43.7	41.7	39.7
42.5°	33.8	35.8	35.8	35.8	33.8
45°	29.8	29.8	31.8	29.8	29.8
47.5°	25.8	25.8	27.8	25.8	25.8
50°	23.8	23.8	23.8	23.8	23.8
52.5°	21.9	21.9	21.9	21.9	21.9
55°	19.9	19.9	19.9	19.9	19.9
57.5°	17.9	17.9	17.9	17.9	17.9
60°	15.9	15.9	15.9	15.9	15.9
62.5°	13.9	13.9	13.9	13.9	13.9
65°	11.9	11.9	11.9	11.9	11.9
67.5°	11.9	11.9	11.9	11.9	11.9
70°	9.9	9.9	9.9	9.9	9.9
72.5°	7.9	7.9	7.9	7.9	7.9
75°	6.0	6.0	6.0	6.0	7.9
77.5°	6.0	6.0	6.0	6.0	6.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	2.0
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)