

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: P791201

Luminaire Tested: LER6D30D010-EC6DR1515309030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791201  
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-EC6DR1515309030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3379.6 lumens  
Efficiency: N/A  
Efficacy: 116.5 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

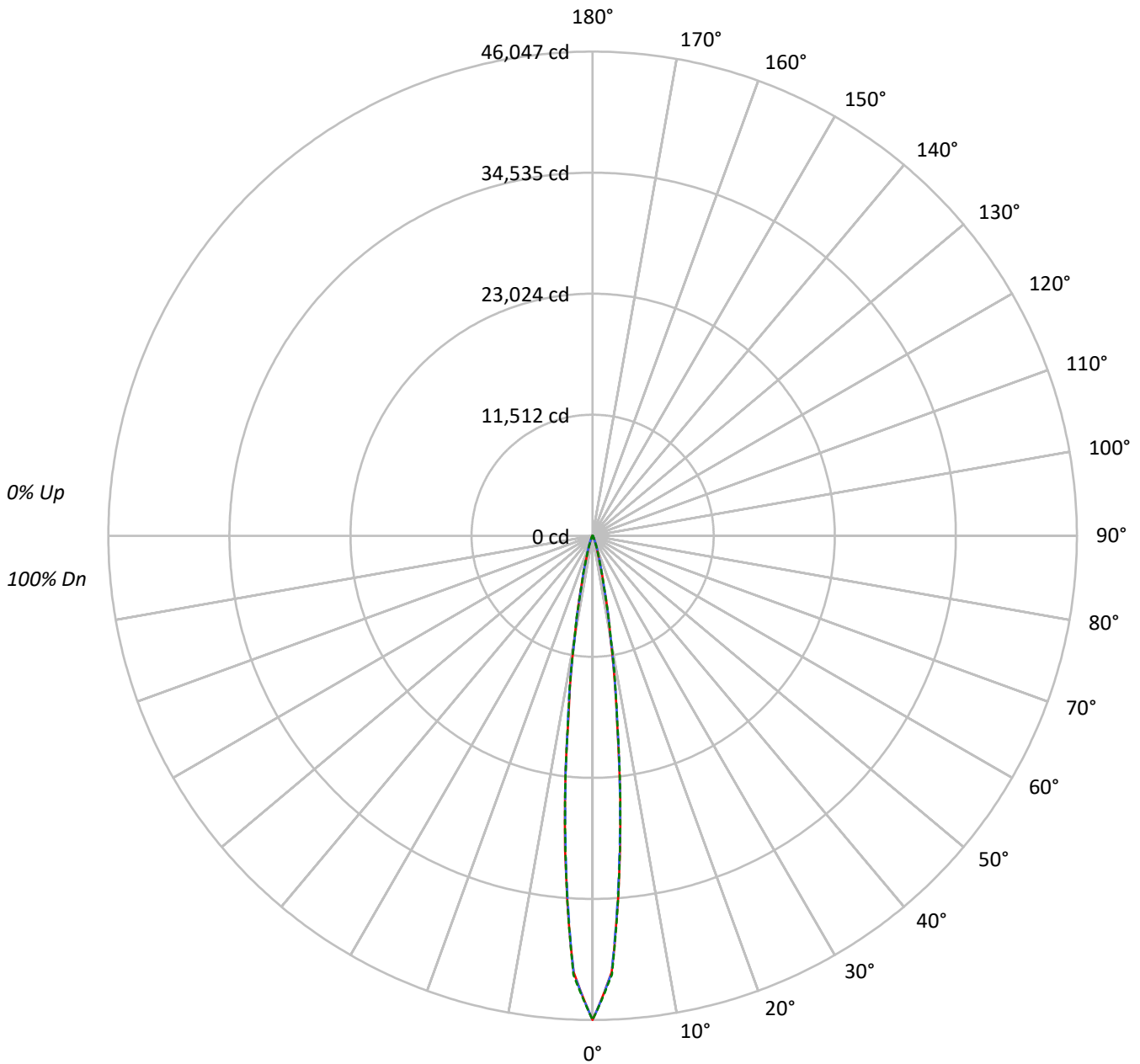
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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°	5181251	5181251	5181251
5°	3044751	3005329	3029100
10°	908713	915086	929092
15°	226036	230440	223326
20°	67627	78313	69067
25°	23838	30373	24141
30°	8761	11532	8903
35°	4386	4953	4248
40°	2770	3047	2770
45°	2044	2184	2044
50°	1627	1627	1627
55°	1357	1357	1357
60°	1095	1095	1095
65°	835	835	835
70°	709	709	709
75°	438	438	590
80°	307	307	307
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2184 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2191.9	64.9
10°-20°	901.6	26.7
20°-30°	179.1	5.3
30°-40°	44.7	1.3
40°-50°	23.5	0.7
50°-60°	17.4	0.5
60°-70°	12.3	0.4
70°-80°	7.0	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°	3272.6	96.8
0°-40°	3317.3	98.2
0°-60°	3358.2	99.4
0°-90°	3379.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3379.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	46047	46047	46047	46047	46047	
5°	29960	29652	29572	29776	29806	2188
15°	2602	2651	2653	2606	2571	892
25°	306	347	390	345	310	161
35°	60	64	68	64	58	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	46047.4	46047.4	46047.4	46047.4	46047.4
2.5°	41536.6	41571.7	41585.4	41626.3	41778.3
5°	29959.5	29651.5	29571.6	29776.2	29805.5
7.5°	17746.8	17809.2	18037.3	18088.0	17904.7
10°	9738.9	9818.8	9807.2	9877.3	9957.3
12.5°	4980.6	4918.2	4898.7	4978.6	4867.5
15°	2602.4	2651.1	2653.1	2606.3	2571.2
17.5°	1399.6	1456.2	1549.7	1473.7	1356.7
20°	826.5	877.2	957.1	894.7	844.1
22.5°	510.7	551.7	608.2	559.5	518.5
25°	306.0	347.0	389.9	345.0	309.9
27.5°	181.3	216.4	243.7	214.4	179.3
30°	117.0	136.5	154.0	134.5	118.9
32.5°	81.9	89.7	97.5	89.7	81.9
35°	60.4	64.3	68.2	64.3	58.5
37.5°	46.8	50.7	52.6	48.7	44.8
40°	39.0	40.9	42.9	40.9	39.0
42.5°	33.1	35.1	35.1	35.1	33.1
45°	29.2	29.2	31.2	29.2	29.2
47.5°	25.3	25.3	27.3	25.3	25.3
50°	23.4	23.4	23.4	23.4	23.4
52.5°	21.4	21.4	21.4	21.4	21.4
55°	19.5	19.5	19.5	19.5	19.5
57.5°	17.5	17.5	17.5	17.5	17.5
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.6	13.6	13.6	13.6	13.6
65°	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	11.7	11.7	11.7	11.7
70°	9.7	9.7	9.7	9.7	9.7
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.8	5.8	5.8	5.8	7.8
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
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



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)