

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: P791225

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791225  
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-EC6DR1515309050-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3623.3 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

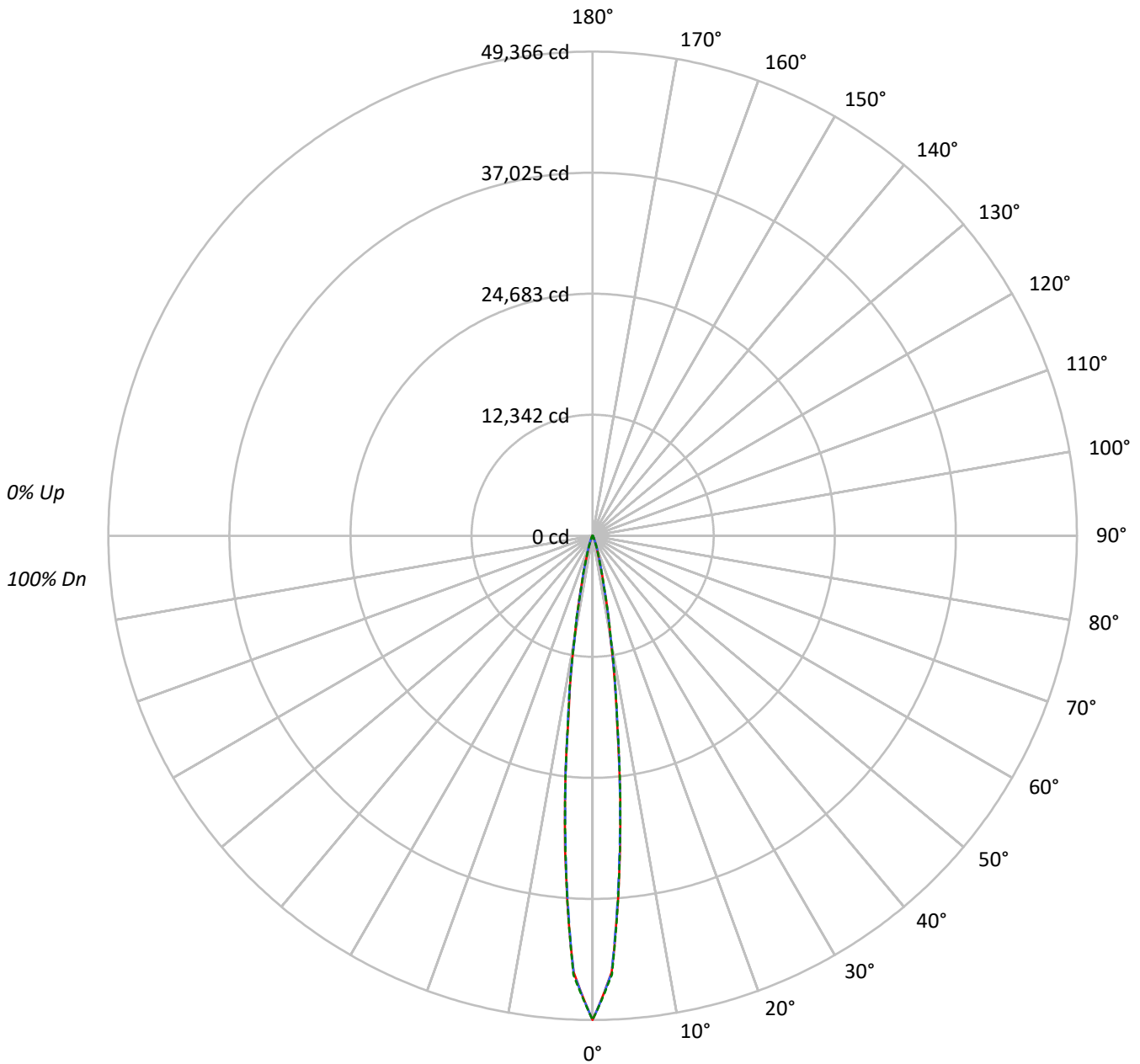
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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°	5554671	5554671	5554671
5°	3264188	3221921	3247409
10°	974206	981036	996049
15°	242322	247047	239421
20°	72503	83958	74041
25°	25559	32562	25886
30°	9390	12363	9547
35°	4706	5308	4553
40°	2968	3267	2968
45°	2191	2338	2191
50°	1745	1745	1745
55°	1455	1455	1455
60°	1172	1172	1172
65°	892	892	892
70°	761	761	761
75°	476	476	635
80°	331	331	331
85°	174	174	174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2338 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2349.9	64.9
10°-20°	966.6	26.7
20°-30°	192.0	5.3
30°-40°	47.9	1.3
40°-50°	25.2	0.7
50°-60°	18.7	0.5
60°-70°	13.2	0.4
70°-80°	7.5	0.2
80°-90°	2.3	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°	3508.5	96.8
0°-40°	3556.4	98.2
0°-60°	3600.3	99.4
0°-90°	3623.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3623.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	49366	49366	49366	49366	49366	
5°	32119	31788	31703	31922	31954	2345
15°	2790	2842	2844	2794	2756	957
25°	328	372	418	370	332	172
35°	65	69	73	69	63	44
45°	31	31	33	31	31	24
55°	21	21	21	21	21	19
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	49366.1	49366.1	49366.1	49366.1	49366.1
2.5°	44530.3	44567.9	44582.5	44626.4	44789.4
5°	32118.7	31788.5	31702.8	31922.3	31953.6
7.5°	19025.9	19092.8	19337.3	19391.6	19195.2
10°	10440.8	10526.5	10514.0	10589.2	10674.9
12.5°	5339.5	5272.7	5251.8	5337.4	5218.3
15°	2789.9	2842.2	2844.3	2794.1	2756.5
17.5°	1500.5	1561.1	1661.4	1579.9	1454.5
20°	886.1	940.4	1026.1	959.2	904.9
22.5°	547.5	591.4	652.0	599.8	555.9
25°	328.1	372.0	418.0	369.9	332.3
27.5°	194.4	232.0	261.2	229.9	192.3
30°	125.4	146.3	165.1	144.2	127.5
32.5°	87.8	96.1	104.5	96.1	87.8
35°	64.8	69.0	73.1	69.0	62.7
37.5°	50.2	54.3	56.4	52.2	48.1
40°	41.8	43.9	46.0	43.9	41.8
42.5°	35.5	37.6	37.6	37.6	35.5
45°	31.3	31.3	33.4	31.3	31.3
47.5°	27.2	27.2	29.3	27.2	27.2
50°	25.1	25.1	25.1	25.1	25.1
52.5°	23.0	23.0	23.0	23.0	23.0
55°	20.9	20.9	20.9	20.9	20.9
57.5°	18.8	18.8	18.8	18.8	18.8
60°	16.7	16.7	16.7	16.7	16.7
62.5°	14.6	14.6	14.6	14.6	14.6
65°	12.5	12.5	12.5	12.5	12.5
67.5°	12.5	12.5	12.5	12.5	12.5
70°	10.4	10.4	10.4	10.4	10.4
72.5°	8.4	8.4	8.4	8.4	8.4
75°	6.3	6.3	6.3	6.3	8.4
77.5°	6.3	6.3	6.3	6.3	6.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)