

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: P791220

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791220  
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-EC6DR1515309040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3675.7 lumens  
Efficiency: N/A  
Efficacy: 126.7 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

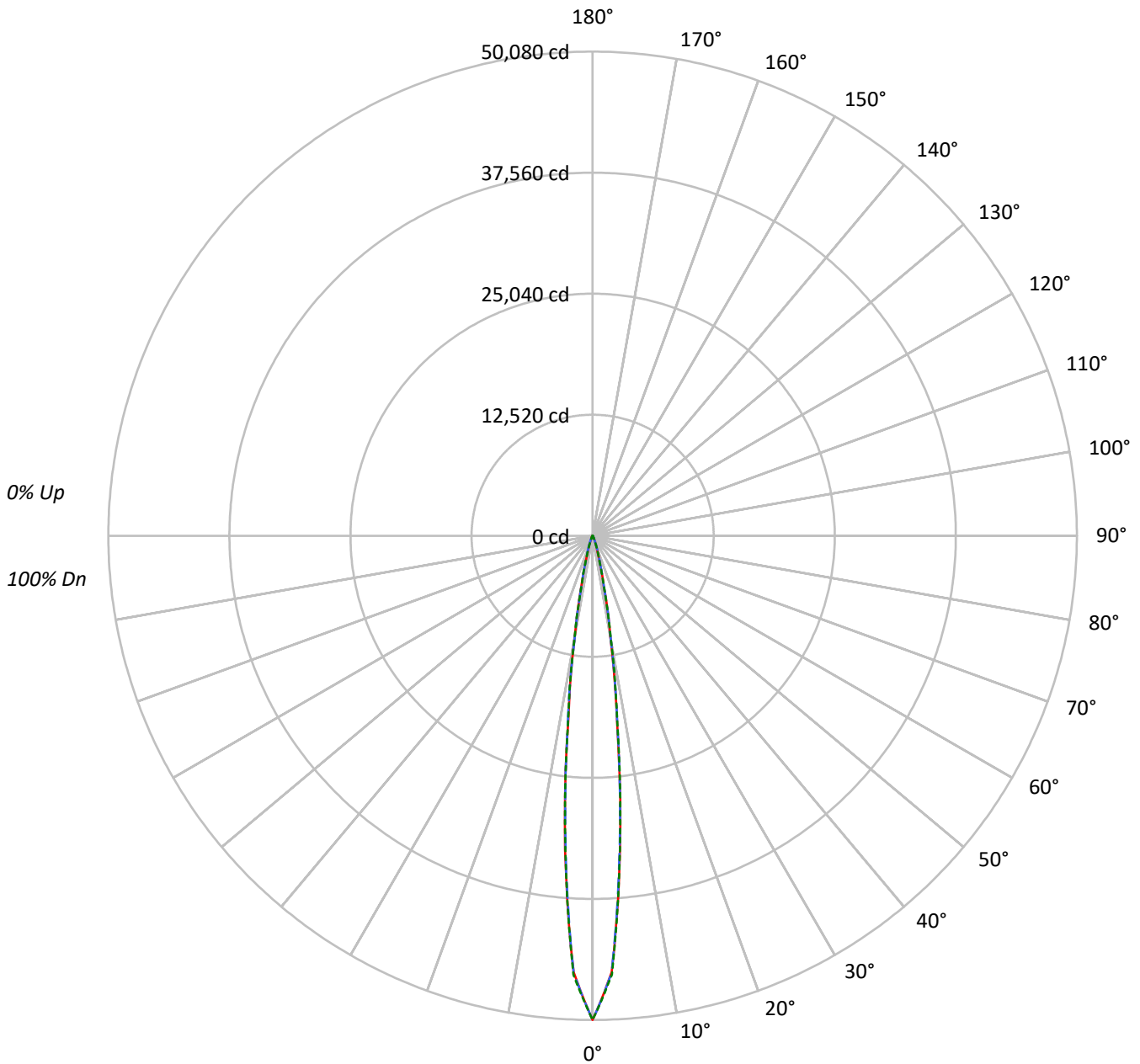
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	5635044	5635044	5635044
5°	3311415	3268538	3294392
10°	988305	995228	1010456
15°	245831	250617	242886
20°	73551	85178	75113
25°	25933	33030	26260
30°	9525	12543	9682
35°	4771	5388	4619
40°	3011	3309	3011
45°	2226	2373	2226
50°	1766	1766	1766
55°	1476	1476	1476
60°	1194	1194	1194
65°	906	906	906
70°	775	775	775
75°	484	484	642
80°	331	331	331
85°	174	174	174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2373 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2383.9	64.9
10°-20°	980.6	26.7
20°-30°	194.8	5.3
30°-40°	48.6	1.3
40°-50°	25.6	0.7
50°-60°	18.9	0.5
60°-70°	13.4	0.4
70°-80°	7.6	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°	3559.3	96.8
0°-40°	3607.9	98.2
0°-60°	3652.4	99.4
0°-90°	3675.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	50080	50080	50080	50080	50080	
5°	32583	32248	32162	32384	32416	2379
15°	2830	2883	2885	2834	2796	970
25°	333	377	424	375	337	175
35°	66	70	74	70	64	45
45°	32	32	34	32	32	25
55°	21	21	21	21	21	19
65°	13	13	13	13	13	13
75°	6	6	6	6	8	8
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°	50080.4	50080.4	50080.4	50080.4	50080.4
2.5°	45174.6	45212.7	45227.6	45272.1	45437.5
5°	32583.4	32248.5	32161.5	32384.1	32415.9
7.5°	19301.2	19369.0	19617.1	19672.2	19472.9
10°	10591.9	10678.8	10666.1	10742.4	10829.3
12.5°	5416.8	5348.9	5327.7	5414.7	5293.8
15°	2830.3	2883.3	2885.4	2834.5	2796.4
17.5°	1522.2	1583.7	1685.5	1602.8	1475.6
20°	898.9	954.0	1041.0	973.1	918.0
22.5°	555.5	600.0	661.5	608.5	563.9
25°	332.9	377.4	424.0	375.3	337.1
27.5°	197.2	235.3	265.0	233.2	195.0
30°	127.2	148.4	167.5	146.3	129.3
32.5°	89.0	97.5	106.0	97.5	89.0
35°	65.7	70.0	74.2	70.0	63.6
37.5°	50.9	55.1	57.2	53.0	48.8
40°	42.4	44.5	46.6	44.5	42.4
42.5°	36.0	38.2	38.2	38.2	36.0
45°	31.8	31.8	33.9	31.8	31.8
47.5°	27.6	27.6	29.7	27.6	27.6
50°	25.4	25.4	25.4	25.4	25.4
52.5°	23.3	23.3	23.3	23.3	23.3
55°	21.2	21.2	21.2	21.2	21.2
57.5°	19.1	19.1	19.1	19.1	19.1
60°	17.0	17.0	17.0	17.0	17.0
62.5°	14.8	14.8	14.8	14.8	14.8
65°	12.7	12.7	12.7	12.7	12.7
67.5°	12.7	12.7	12.7	12.7	12.7
70°	10.6	10.6	10.6	10.6	10.6
72.5°	8.5	8.5	8.5	8.5	8.5
75°	6.4	6.4	6.4	6.4	8.5
77.5°	6.4	6.4	6.4	6.4	6.4
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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