

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: P791216

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791216  
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-EC6DR1515309040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3491.9 lumens  
Efficiency: N/A  
Efficacy: 120.4 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

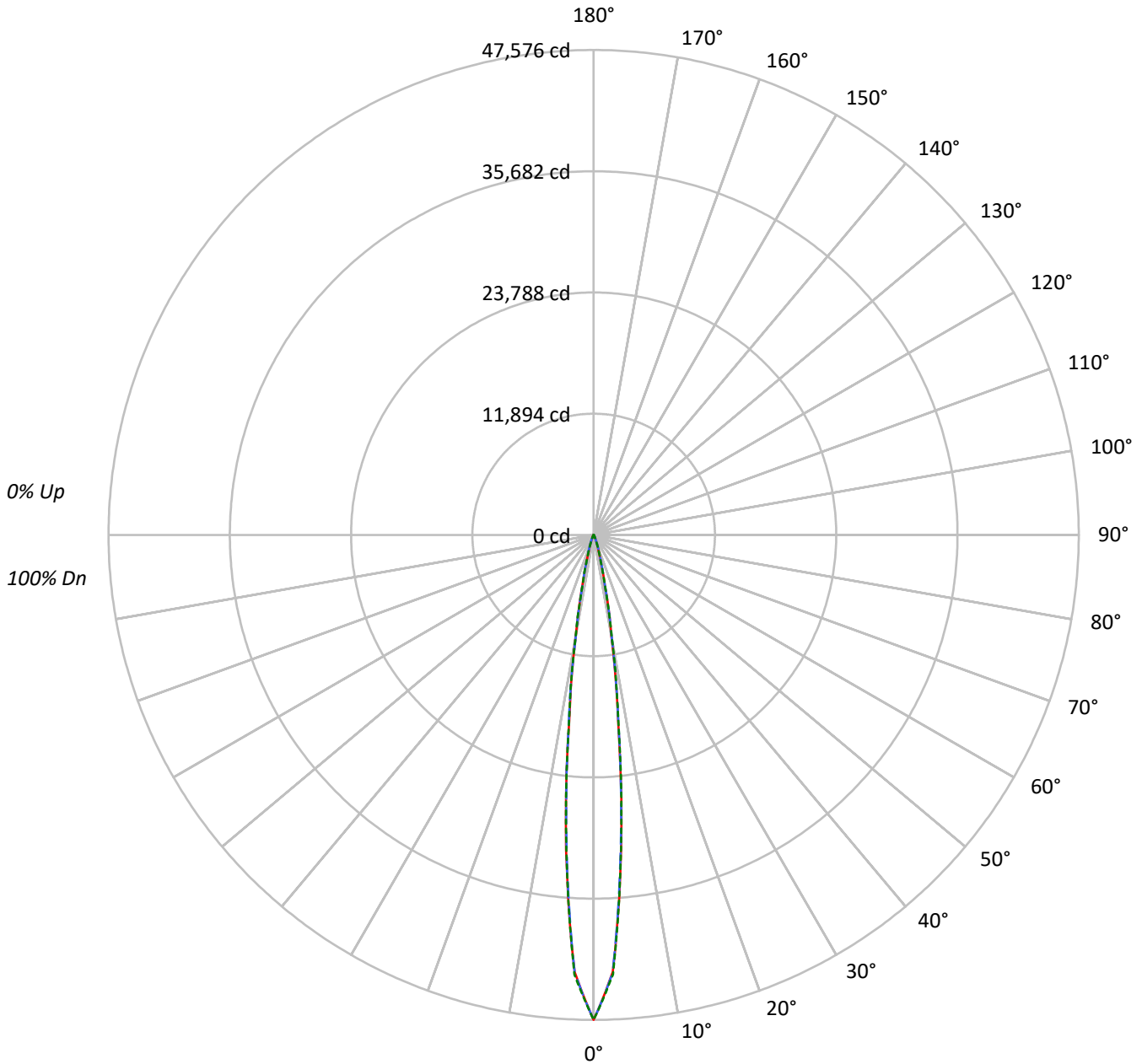
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	5353294	5353294	5353294
5°	3145852	3105119	3129682
10°	938889	945467	959939
15°	233541	238092	230744
20°	69877	80915	71358
25°	24632	31378	24944
30°	9046	11914	9203
35°	4531	5120	4386
40°	2862	3146	2862
45°	2114	2254	2114
50°	1683	1683	1683
55°	1399	1399	1399
60°	1130	1130	1130
65°	864	864	864
70°	739	739	739
75°	454	454	612
80°	315	315	315
85°	166	166	166

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2254 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2264.7	64.9
10°-20°	931.5	26.7
20°-30°	185.0	5.3
30°-40°	46.2	1.3
40°-50°	24.3	0.7
50°-60°	18.0	0.5
60°-70°	12.7	0.4
70°-80°	7.2	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°	3381.3	96.8
0°-40°	3427.5	98.2
0°-60°	3469.8	99.4
0°-90°	3491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3491.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	47576	47576	47576	47576	47576	
5°	30954	30636	30554	30765	30795	2260
15°	2689	2739	2741	2693	2657	922
25°	316	358	403	356	320	166
35°	62	66	70	66	60	42
45°	30	30	32	30	30	24
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	47576.4	47576.4	47576.4	47576.4	47576.4
2.5°	42915.8	42952.1	42966.2	43008.5	43165.6
5°	30954.3	30636.0	30553.5	30764.9	30795.2
7.5°	18336.1	18400.6	18636.2	18688.6	18499.2
10°	10062.3	10144.9	10132.8	10205.3	10287.9
12.5°	5146.0	5081.5	5061.4	5143.9	5029.1
15°	2688.8	2739.1	2741.2	2692.8	2656.6
17.5°	1446.1	1504.5	1601.2	1522.6	1401.8
20°	854.0	906.3	988.9	924.5	872.1
22.5°	527.7	570.0	628.4	578.0	535.7
25°	316.2	358.5	402.8	356.5	320.2
27.5°	187.3	223.6	251.8	221.5	185.3
30°	120.8	141.0	159.1	139.0	122.9
32.5°	84.6	92.6	100.7	92.6	84.6
35°	62.4	66.5	70.5	66.5	60.4
37.5°	48.3	52.4	54.4	50.4	46.3
40°	40.3	42.3	44.3	42.3	40.3
42.5°	34.2	36.3	36.3	36.3	34.2
45°	30.2	30.2	32.2	30.2	30.2
47.5°	26.2	26.2	28.2	26.2	26.2
50°	24.2	24.2	24.2	24.2	24.2
52.5°	22.2	22.2	22.2	22.2	22.2
55°	20.1	20.1	20.1	20.1	20.1
57.5°	18.1	18.1	18.1	18.1	18.1
60°	16.1	16.1	16.1	16.1	16.1
62.5°	14.1	14.1	14.1	14.1	14.1
65°	12.1	12.1	12.1	12.1	12.1
67.5°	12.1	12.1	12.1	12.1	12.1
70°	10.1	10.1	10.1	10.1	10.1
72.5°	8.1	8.1	8.1	8.1	8.1
75°	6.0	6.0	6.0	6.0	8.1
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

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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)