

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: P788828

Luminaire Tested: LER6D10D010-EC6DR150210IC9035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788828  
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: LER6D10D010-EC6DR150210IC9035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1166.4 lumens  
Efficiency: N/A  
Efficacy: 99.7 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

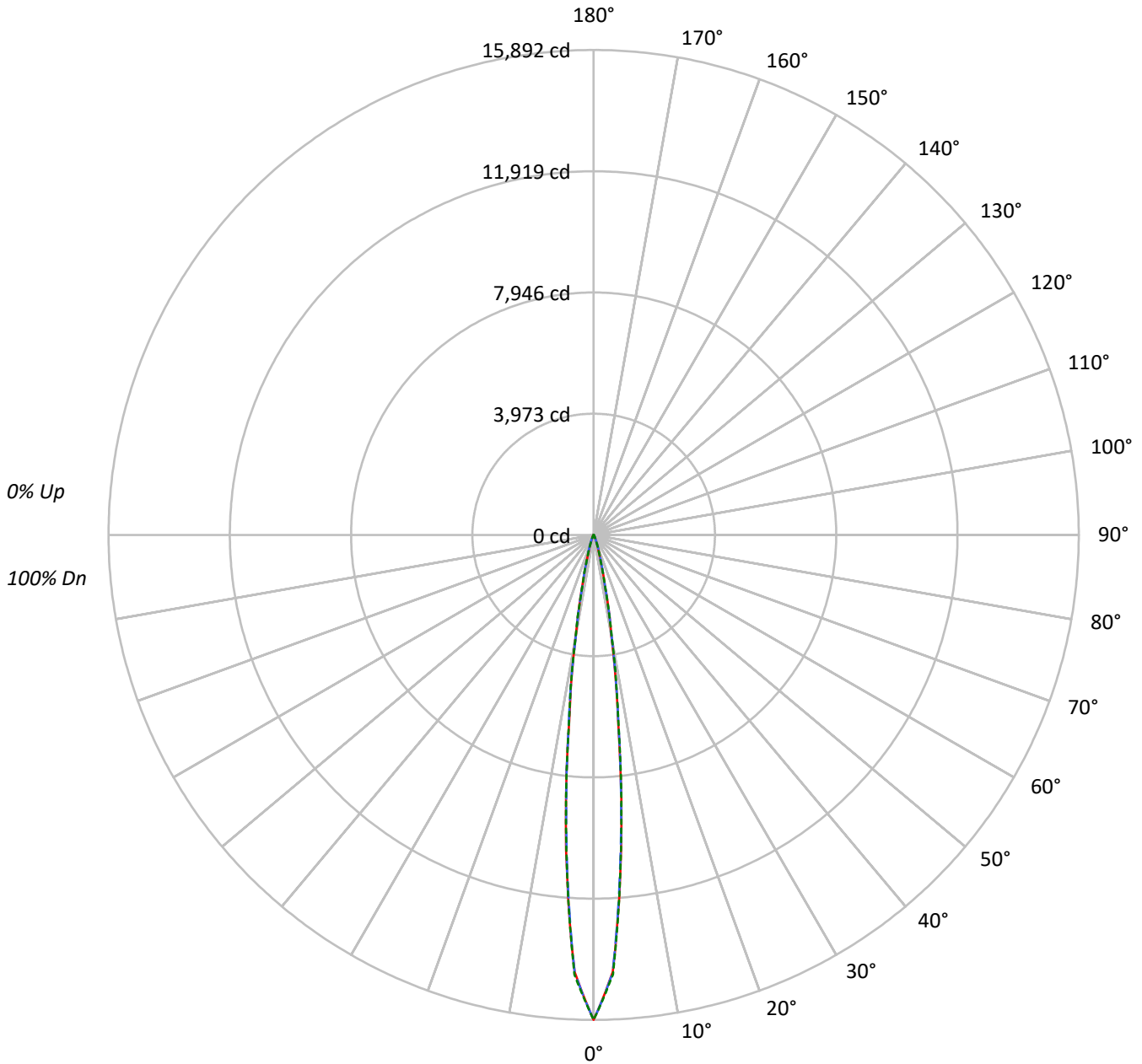
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1788223	1788223	1788223
5°	1050843	1037235	1045446
10°	313625	315828	320661
15°	78015	79535	77077
20°	23344	27026	23835
25°	8226	10485	8335
30°	3025	3976	3070
35°	1518	1707	1467
40°	959	1051	959
45°	707	756	707
50°	563	563	563
55°	466	466	466
60°	379	379	379
65°	285	285	285
70°	249	249	249
75°	151	151	204
80°	102	102	102
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 756 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	756.5	64.9
10°-20°	311.2	26.7
20°-30°	61.8	5.3
30°-40°	15.4	1.3
40°-50°	8.1	0.7
50°-60°	6.0	0.5
60°-70°	4.2	0.4
70°-80°	2.4	0.2
80°-90°	0.7	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°	1129.5	96.8
0°-40°	1144.9	98.2
0°-60°	1159.1	99.4
0°-90°	1166.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15892	15892	15892	15892	15892	
5°	10340	10234	10206	10277	10287	755
15°	898	915	916	900	887	308
25°	106	120	135	119	107	55
35°	21	22	24	22	20	14
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15892.5	15892.5	15892.5	15892.5	15892.5
2.5°	14335.7	14347.8	14352.5	14366.6	14419.1
5°	10340.0	10233.7	10206.1	10276.8	10286.9
7.5°	6125.0	6146.6	6225.3	6242.8	6179.5
10°	3361.2	3388.8	3384.8	3409.0	3436.6
12.5°	1719.0	1697.4	1690.7	1718.3	1679.9
15°	898.2	915.0	915.7	899.5	887.4
17.5°	483.1	502.6	534.9	508.6	468.3
20°	285.3	302.8	330.3	308.8	291.3
22.5°	176.3	190.4	209.9	193.1	179.0
25°	105.6	119.8	134.6	119.1	107.0
27.5°	62.6	74.7	84.1	74.0	61.9
30°	40.4	47.1	53.1	46.4	41.0
32.5°	28.3	30.9	33.6	30.9	28.3
35°	20.9	22.2	23.5	22.2	20.2
37.5°	16.1	17.5	18.2	16.8	15.5
40°	13.5	14.1	14.8	14.1	13.5
42.5°	11.4	12.1	12.1	12.1	11.4
45°	10.1	10.1	10.8	10.1	10.1
47.5°	8.7	8.7	9.4	8.7	8.7
50°	8.1	8.1	8.1	8.1	8.1
52.5°	7.4	7.4	7.4	7.4	7.4
55°	6.7	6.7	6.7	6.7	6.7
57.5°	6.1	6.1	6.1	6.1	6.1
60°	5.4	5.4	5.4	5.4	5.4
62.5°	4.7	4.7	4.7	4.7	4.7
65°	4.0	4.0	4.0	4.0	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	3.4	3.4	3.4	3.4	3.4
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7
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)