

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: P790620

Luminaire Tested: LER6D25D010-EC6DR1515309027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790620  
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: LER6D25D010-EC6DR1515309027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2919.5 lumens  
Efficiency: N/A  
Efficacy: 116.3 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

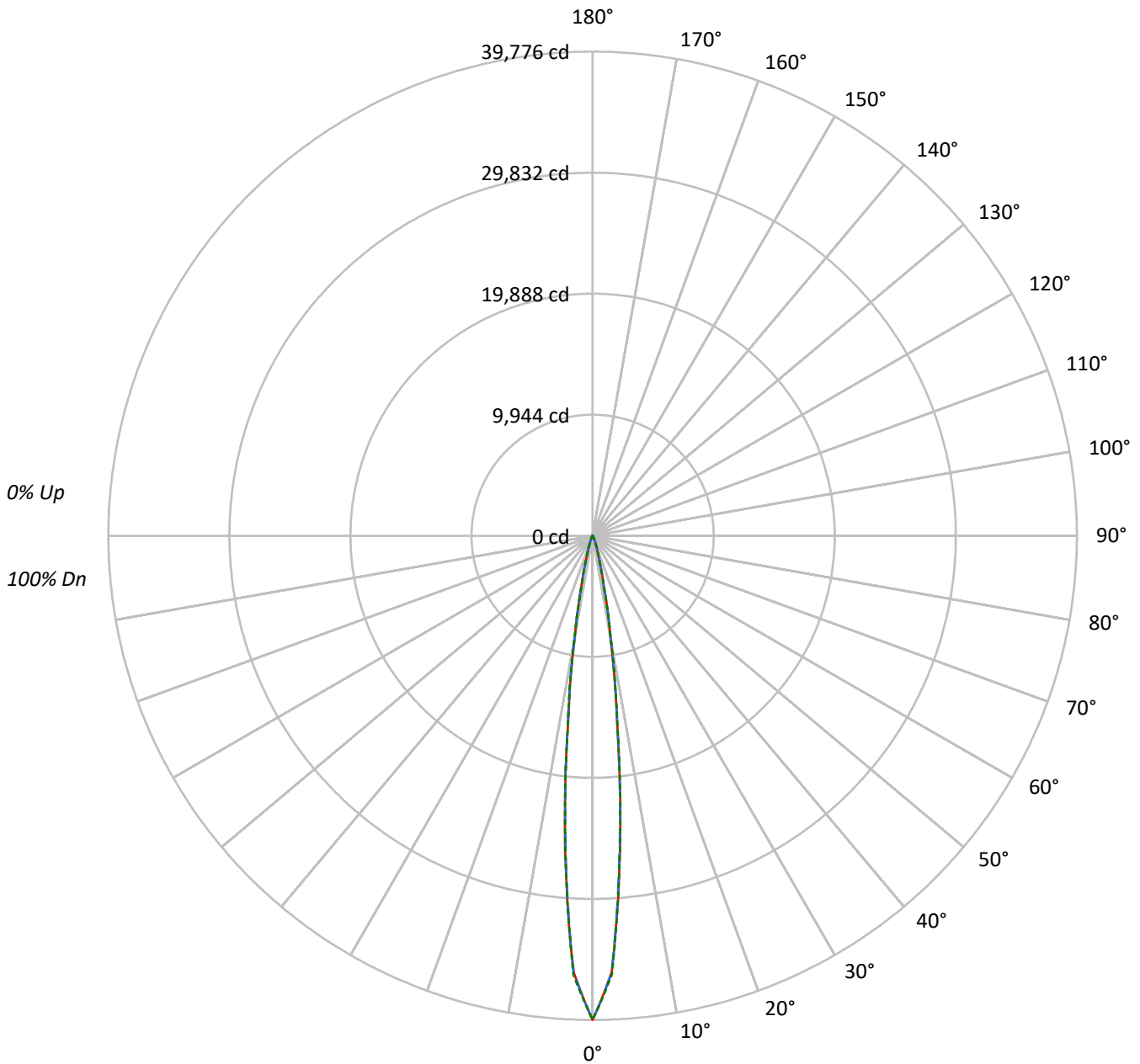
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	4475650	4475650	4475650
5°	2630105	2596049	2616589
10°	784959	790465	802557
15°	195254	199059	192909
20°	58421	67651	59657
25°	20597	26237	20854
30°	7563	9959	7690
35°	3791	4277	3667
40°	2393	2628	2393
45°	1771	1883	1771
50°	1405	1405	1405
55°	1169	1169	1169
60°	948	948	948
65°	721	721	721
70°	614	614	614
75°	385	385	506
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1883 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1893.4	64.9
10°-20°	778.8	26.7
20°-30°	154.7	5.3
30°-40°	38.6	1.3
40°-50°	20.3	0.7
50°-60°	15.0	0.5
60°-70°	10.6	0.4
70°-80°	6.1	0.2
80°-90°	1.8	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°	2827.0	96.8
0°-40°	2865.6	98.2
0°-60°	2900.9	99.4
0°-90°	2919.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	39776	39776	39776	39776	39776	
5°	25880	25613	25544	25721	25746	1890
15°	2248	2290	2292	2251	2221	771
25°	264	300	337	298	268	139
35°	52	56	59	56	50	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
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°	39776.5	39776.5	39776.5	39776.5	39776.5
2.5°	35880.0	35910.3	35922.1	35957.5	36088.8
5°	25879.5	25613.4	25544.4	25721.2	25746.5
7.5°	15330.0	15383.9	15580.9	15624.7	15466.4
10°	8412.6	8481.7	8471.6	8532.2	8601.2
12.5°	4302.3	4248.4	4231.6	4300.6	4204.6
15°	2248.0	2290.1	2291.8	2251.3	2221.0
17.5°	1209.0	1257.9	1338.7	1273.0	1172.0
20°	714.0	757.7	826.8	772.9	729.1
22.5°	441.2	476.5	525.4	483.3	447.9
25°	264.4	299.7	336.8	298.0	267.7
27.5°	156.6	186.9	210.5	185.2	154.9
30°	101.0	117.9	133.0	116.2	102.7
32.5°	70.7	77.5	84.2	77.5	70.7
35°	52.2	55.6	58.9	55.6	50.5
37.5°	40.4	43.8	45.5	42.1	38.7
40°	33.7	35.4	37.0	35.4	33.7
42.5°	28.6	30.3	30.3	30.3	28.6
45°	25.3	25.3	26.9	25.3	25.3
47.5°	21.9	21.9	23.6	21.9	21.9
50°	20.2	20.2	20.2	20.2	20.2
52.5°	18.5	18.5	18.5	18.5	18.5
55°	16.8	16.8	16.8	16.8	16.8
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.1	5.1	5.1	5.1	6.7
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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