

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: P790625

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790625  
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-EC6DR1515309030-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3006.9 lumens  
Efficiency: N/A  
Efficacy: 119.8 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

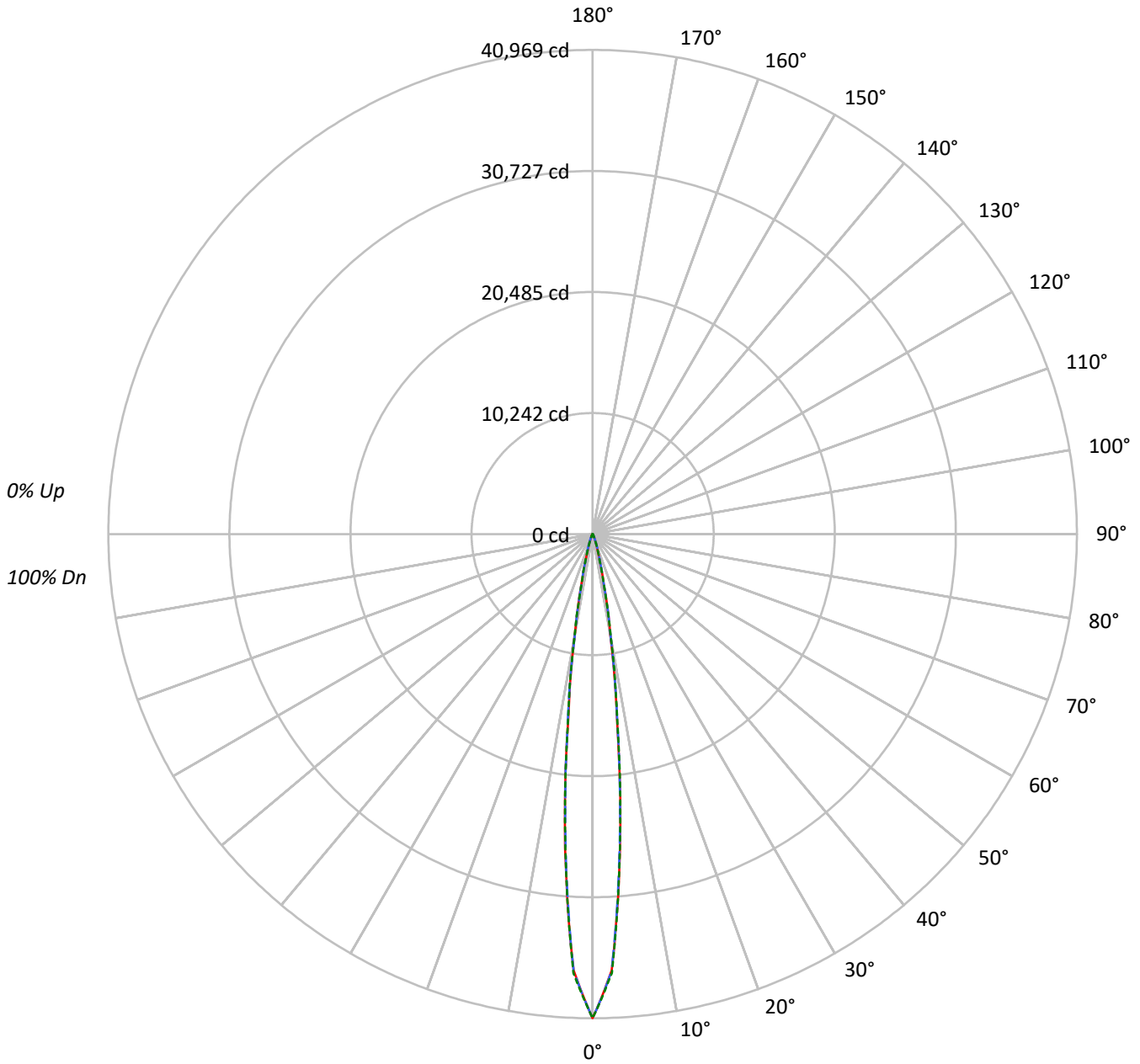
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	4609819	4609819	4609819
5°	2708949	2673867	2695026
10°	808492	814155	826621
15°	201108	205026	198694
20°	60172	69680	61449
25°	21212	27024	21485
30°	7795	10259	7922
35°	3907	4408	3776
40°	2464	2713	2464
45°	1820	1939	1820
50°	1446	1446	1446
55°	1204	1204	1204
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	522
80°	276	276	276
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1939 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1950.2	64.9
10°-20°	802.2	26.7
20°-30°	159.3	5.3
30°-40°	39.8	1.3
40°-50°	20.9	0.7
50°-60°	15.5	0.5
60°-70°	10.9	0.4
70°-80°	6.2	0.2
80°-90°	1.9	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°	2911.7	96.8
0°-40°	2951.5	98.2
0°-60°	2987.9	99.4
0°-90°	3006.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40969	40969	40969	40969	40969	
5°	26655	26381	26310	26492	26518	1947
15°	2315	2359	2360	2319	2288	794
25°	272	309	347	307	276	143
35°	54	57	61	57	52	36
45°	26	26	28	26	26	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°	40968.9	40968.9	40968.9	40968.9	40968.9
2.5°	36955.6	36986.8	36999.0	37035.4	37170.7
5°	26655.3	26381.2	26310.1	26492.2	26518.3
7.5°	15789.6	15845.0	16048.0	16093.1	15930.0
10°	8664.8	8735.9	8725.5	8788.0	8859.1
12.5°	4431.3	4375.8	4358.4	4429.5	4330.7
15°	2315.4	2358.7	2360.5	2318.8	2287.6
17.5°	1245.3	1295.6	1378.8	1311.2	1207.1
20°	735.4	780.5	851.6	796.1	751.0
22.5°	454.4	490.8	541.1	497.8	461.3
25°	272.3	308.7	346.9	307.0	275.8
27.5°	161.3	192.5	216.8	190.8	159.6
30°	104.1	121.4	137.0	119.7	105.8
32.5°	72.8	79.8	86.7	79.8	72.8
35°	53.8	57.2	60.7	57.2	52.0
37.5°	41.6	45.1	46.8	43.4	39.9
40°	34.7	36.4	38.2	36.4	34.7
42.5°	29.5	31.2	31.2	31.2	29.5
45°	26.0	26.0	27.7	26.0	26.0
47.5°	22.5	22.5	24.3	22.5	22.5
50°	20.8	20.8	20.8	20.8	20.8
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.3	17.3	17.3	17.3	17.3
57.5°	15.6	15.6	15.6	15.6	15.6
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.2	5.2	5.2	5.2	6.9
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
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

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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