

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: P790651

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790651  
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-EC6DR1515309050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3033.1 lumens  
Efficiency: N/A  
Efficacy: 120.8 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

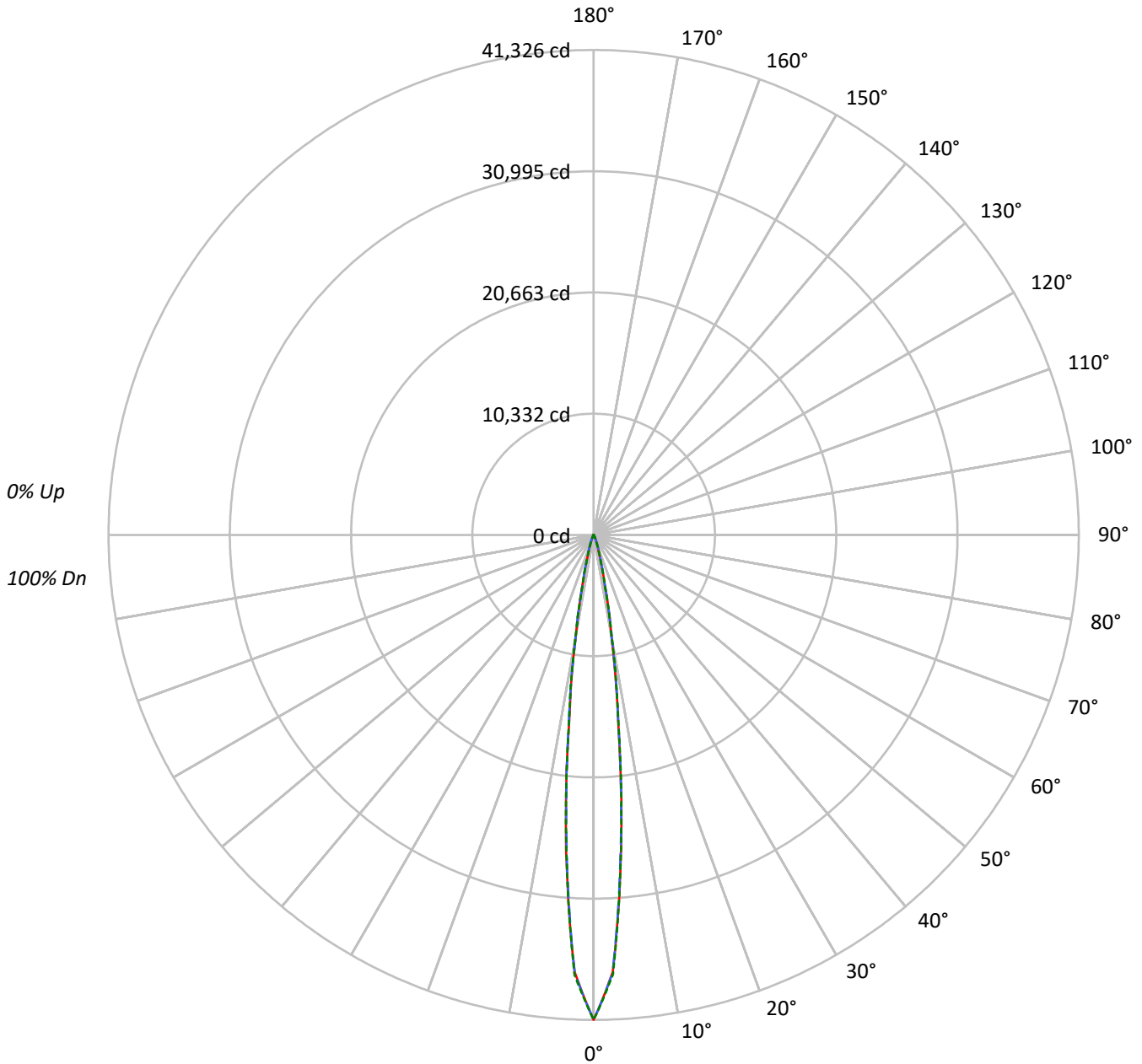
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	4649988	4649988	4649988
5°	2732557	2697170	2718512
10°	815536	821256	833825
15°	202854	206806	200422
20°	60696	70286	61981
25°	21399	27257	21672
30°	7863	10349	7990
35°	3936	4444	3813
40°	2486	2734	2486
45°	1834	1960	1834
50°	1460	1460	1460
55°	1218	1218	1218
60°	983	983	983
65°	749	749	749
70°	636	636	636
75°	393	393	529
80°	276	276	276
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1960 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1967.2	64.9
10°-20°	809.2	26.7
20°-30°	160.7	5.3
30°-40°	40.1	1.3
40°-50°	21.1	0.7
50°-60°	15.6	0.5
60°-70°	11.0	0.4
70°-80°	6.3	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°	2937.1	96.8
0°-40°	2977.2	98.2
0°-60°	3013.9	99.4
0°-90°	3033.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3033.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	41326	41326	41326	41326	41326	
5°	26888	26611	26539	26723	26749	1963
15°	2336	2379	2381	2339	2308	801
25°	275	311	350	310	278	144
35°	54	58	61	58	52	37
45°	26	26	28	26	26	20
55°	18	18	18	18	18	16
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°	41325.9	41325.9	41325.9	41325.9	41325.9
2.5°	37277.7	37309.2	37321.4	37358.1	37494.6
5°	26887.6	26611.2	26539.4	26723.1	26749.4
7.5°	15927.2	15983.1	16187.8	16233.3	16068.9
10°	8740.3	8812.1	8801.6	8864.6	8936.3
12.5°	4469.9	4413.9	4396.4	4468.1	4368.4
15°	2335.5	2379.3	2381.0	2339.0	2307.5
17.5°	1256.1	1306.9	1390.8	1322.6	1217.6
20°	741.8	787.3	859.0	803.0	757.5
22.5°	458.4	495.1	545.8	502.1	465.4
25°	274.7	311.4	349.9	309.7	278.2
27.5°	162.7	194.2	218.7	192.4	161.0
30°	105.0	122.5	138.2	120.7	106.7
32.5°	73.5	80.5	87.5	80.5	73.5
35°	54.2	57.7	61.2	57.7	52.5
37.5°	42.0	45.5	47.2	43.7	40.2
40°	35.0	36.7	38.5	36.7	35.0
42.5°	29.7	31.5	31.5	31.5	29.7
45°	26.2	26.2	28.0	26.2	26.2
47.5°	22.7	22.7	24.5	22.7	22.7
50°	21.0	21.0	21.0	21.0	21.0
52.5°	19.2	19.2	19.2	19.2	19.2
55°	17.5	17.5	17.5	17.5	17.5
57.5°	15.7	15.7	15.7	15.7	15.7
60°	14.0	14.0	14.0	14.0	14.0
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.5	10.5	10.5	10.5	10.5
67.5°	10.5	10.5	10.5	10.5	10.5
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	5.2	7.0
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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