

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: P790641

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790641  
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-EC6DR1515309040-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3262.1 lumens  
Efficiency: N/A  
Efficacy: 130.0 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

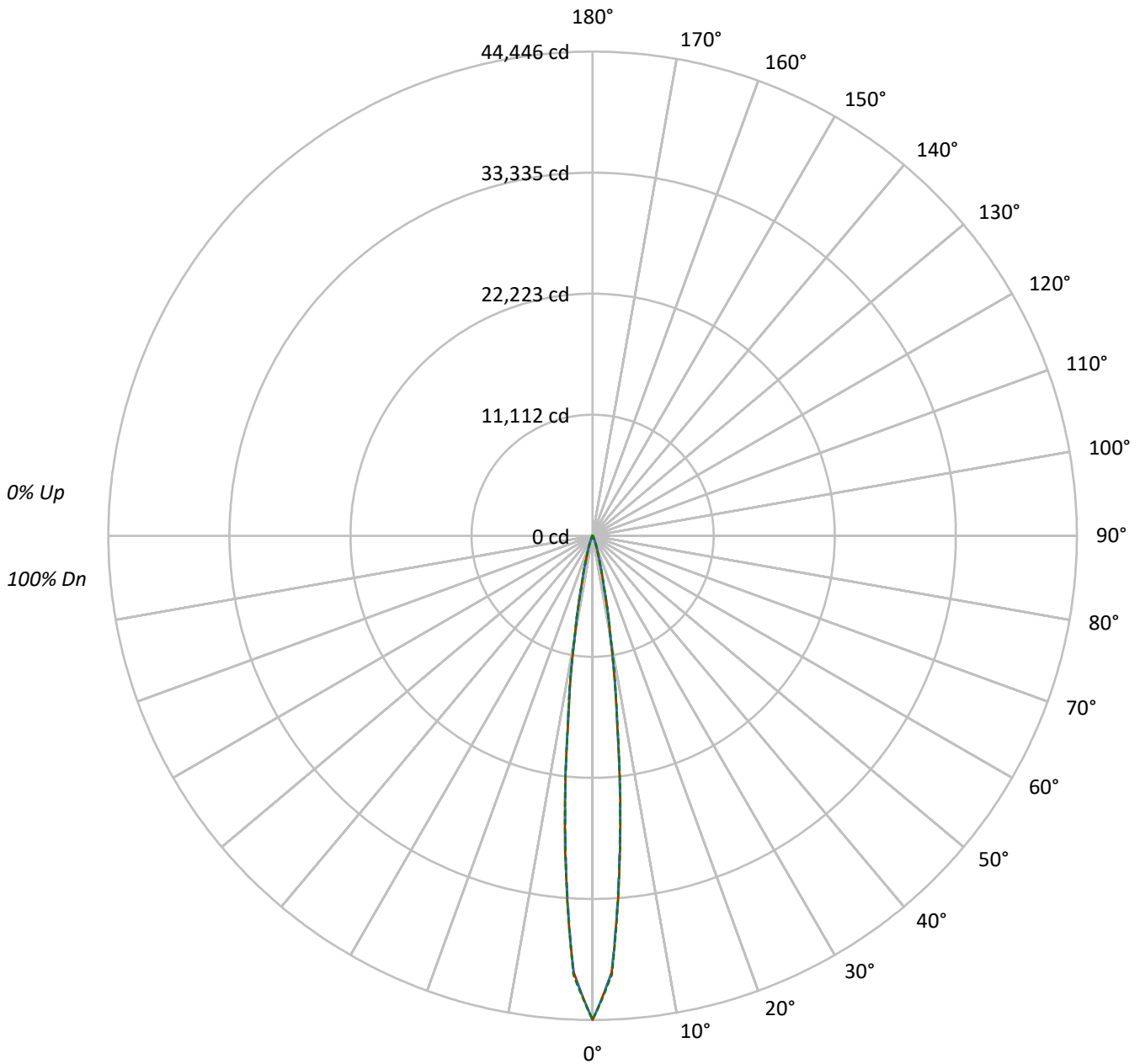
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790641  
CATALOG NUMBER: LER6D25D010-EC6DR1515309040-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P790641

CATALOG NUMBER: LER6D25D010-EC6DR1515309040-6LBDP1LI

**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°	5001028	5001028	5001028
5°	2938844	2900784	2923731
10°	877110	883250	896770
15°	218176	222423	215553
20°	65278	75588	66661
25°	23012	29314	23308
30°	8454	11127	8596
35°	4234	4786	4096
40°	2670	2940	2670
45°	1974	2107	1974
50°	1572	1572	1572
55°	1309	1309	1309
60°	1060	1060	1060
65°	806	806	806
70°	687	687	687
75°	423	423	567
80°	300	300	300
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2107 cd/sqm



TEST NUMBER: P790641

CATALOG NUMBER: LER6D25D010-EC6DR1515309040-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2115.7	64.9
10°-20°	870.2	26.7
20°-30°	172.9	5.3
30°-40°	43.1	1.3
40°-50°	22.7	0.7
50°-60°	16.8	0.5
60°-70°	11.9	0.4
70°-80°	6.7	0.2
80°-90°	2.1	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°	3158.8	96.8
0°-40°	3201.9	98.2
0°-60°	3241.4	99.4
0°-90°	3262.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3262.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	44446	44446	44446	44446	44446	
5°	28917	28620	28543	28740	28769	2112
15°	2512	2559	2561	2516	2482	861
25°	295	335	376	333	299	155
35°	58	62	66	62	56	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P790641

CATALOG NUMBER: LER6D25D010-EC6DR1515309040-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	44445.7	44445.7	44445.7	44445.7	44445.7
2.5°	40091.8	40125.7	40138.9	40178.4	40325.1
5°	28917.4	28620.1	28542.9	28740.5	28768.7
7.5°	17129.5	17189.7	17409.9	17458.8	17281.9
10°	9400.2	9477.3	9466.0	9533.8	9610.9
12.5°	4807.3	4747.1	4728.3	4805.4	4698.2
15°	2511.9	2558.9	2560.8	2515.6	2481.7
17.5°	1350.9	1405.5	1495.8	1422.4	1309.6
20°	797.8	846.7	923.8	863.6	814.7
22.5°	493.0	532.5	587.0	540.0	500.5
25°	295.4	334.9	376.3	333.0	299.2
27.5°	175.0	208.9	235.2	207.0	173.1
30°	112.9	131.7	148.6	129.8	114.8
32.5°	79.0	86.6	94.1	86.6	79.0
35°	58.3	62.1	65.9	62.1	56.4
37.5°	45.2	48.9	50.8	47.0	43.3
40°	37.6	39.5	41.4	39.5	37.6
42.5°	32.0	33.9	33.9	33.9	32.0
45°	28.2	28.2	30.1	28.2	28.2
47.5°	24.5	24.5	26.3	24.5	24.5
50°	22.6	22.6	22.6	22.6	22.6
52.5°	20.7	20.7	20.7	20.7	20.7
55°	18.8	18.8	18.8	18.8	18.8
57.5°	16.9	16.9	16.9	16.9	16.9
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	11.3
67.5°	11.3	11.3	11.3	11.3	11.3
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.5	7.5	7.5	7.5	7.5
75°	5.6	5.6	5.6	5.6	5.6
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)