

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: P790764

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790764  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR3020359027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4926.8 lumens  
Efficiency: N/A  
Efficacy: 196.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

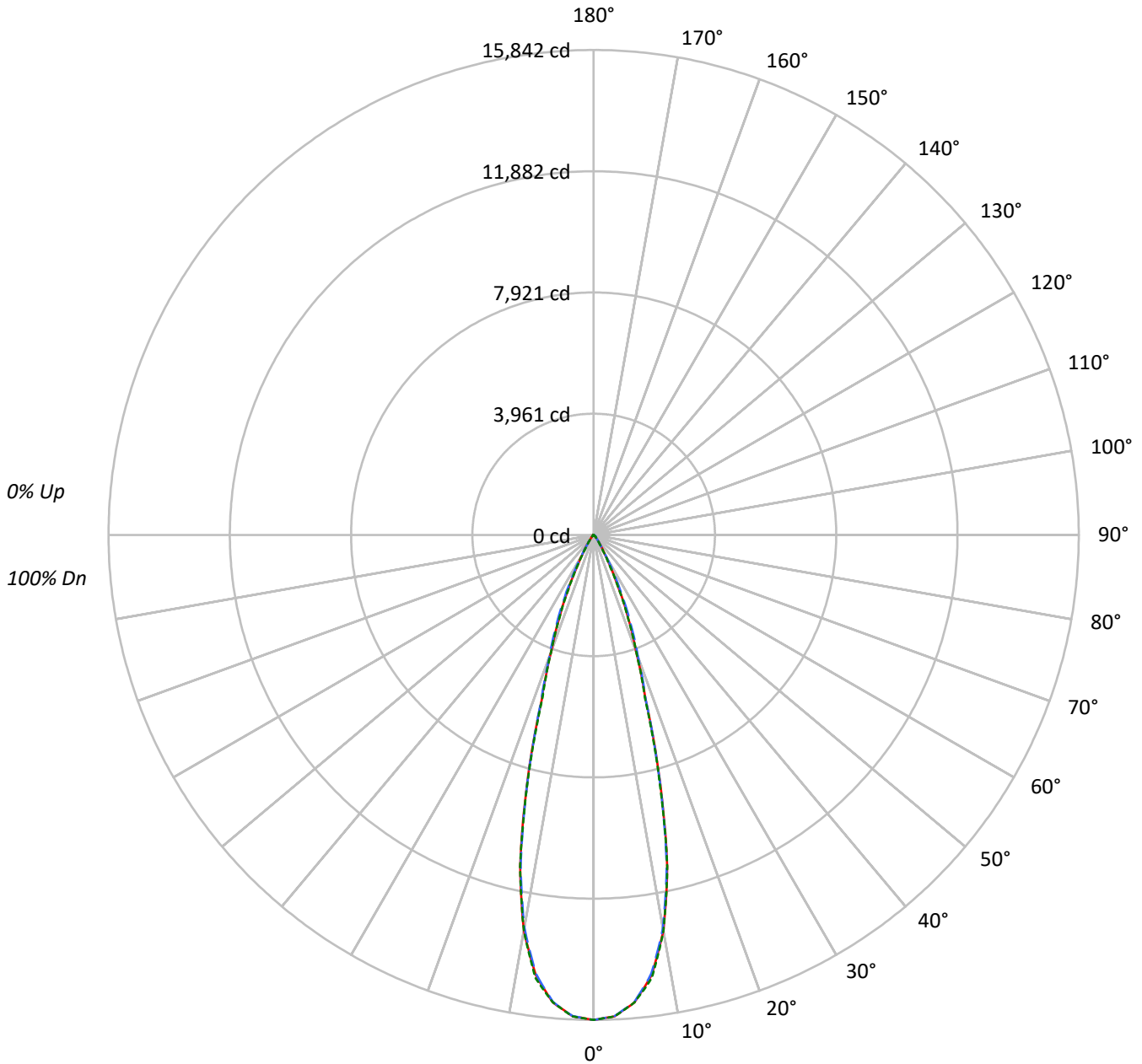
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790764  
CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P790764

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBS1H

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1212608	1212608	1212608
5°	1177793	1176417	1177854
10°	1020153	1012956	1019905
15°	665598	662024	658696
20°	330971	343385	330523
25°	166717	188000	163305
30°	66748	72732	58157
35°	30957	29649	24856
40°	13369	14848	12590
45°	9428	11702	9515
50°	3239	8526	3430
55°	1868	3523	1975
60°	1317	1546	1317
65°	851	851	851
70°	515	358	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 11702 cd/sqm



TEST NUMBER: P790764

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1393.1	28.3
10°-20°	2243.6	45.5
20°-30°	969.5	19.7
30°-40°	221.0	4.5
40°-50°	75.9	1.5
50°-60°	18.5	0.4
60°-70°	4.8	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
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°	4606.1	93.5
0°-40°	4827.1	98.0
0°-60°	4921.5	99.9
0°-90°	4926.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15842	15842	15842	15842	15842	
5°	15329	15314	15311	15343	15330	1394
15°	8399	8298	8354	8327	8312	2249
25°	1974	2049	2226	1997	1934	945
35°	331	338	317	315	266	225
45°	87	108	108	108	88	62
55°	14	15	26	16	15	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P790764

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15842.1	15842.1	15842.1	15842.1	15842.1
2.5°	15737.1	15726.2	15732.4	15740.2	15743.3
5°	15328.7	15314.0	15310.8	15342.7	15329.5
7.5°	14505.1	14484.1	14452.2	14524.5	14592.2
10°	13125.3	13101.9	13032.7	13066.9	13122.1
12.5°	11088.2	11012.8	11011.2	11120.1	11105.3
15°	8399.4	8298.3	8354.3	8327.0	8312.3
17.5°	5648.3	5609.4	5684.1	5661.6	5564.3
20°	4063.2	4073.3	4215.6	4144.1	4057.7
22.5°	2964.9	3001.5	3170.3	2985.9	2918.3
25°	1974.0	2048.7	2226.0	1996.6	1933.6
27.5°	1214.1	1248.4	1428.0	1198.6	1164.4
30°	755.2	738.1	822.9	706.2	658.0
32.5°	495.5	473.7	500.9	449.6	410.7
35°	331.3	338.3	317.3	315.0	266.0
37.5°	206.9	238.0	210.0	224.0	171.1
40°	133.8	172.7	148.6	164.1	126.0
42.5°	109.7	133.0	122.1	129.9	112.0
45°	87.1	108.1	108.1	108.1	87.9
47.5°	48.2	72.3	92.6	73.9	51.3
50°	27.2	36.6	71.6	38.1	28.8
52.5°	18.7	21.0	49.0	21.8	19.4
55°	14.0	14.8	26.4	15.6	14.8
57.5°	10.9	11.7	14.0	11.7	10.9
60°	8.6	8.6	10.1	9.3	8.6
62.5°	6.2	6.2	7.0	6.2	6.2
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.6	1.6	1.6	2.3
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)