

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: P790684

Luminaire Tested: LER6D25D010-EC6DR2015309035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR2015309035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3339.0 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

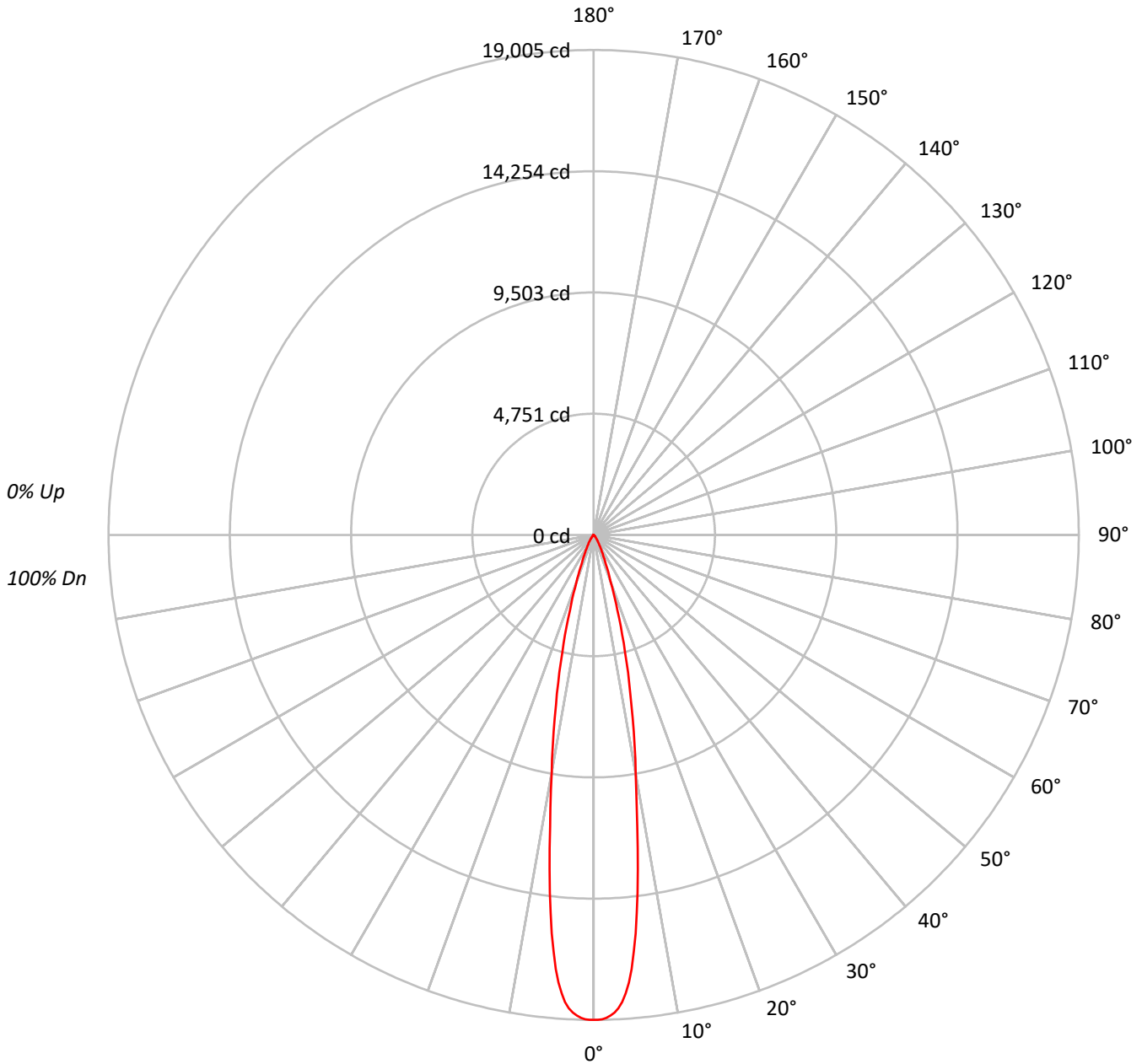
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790684  
CATALOG NUMBER: LER6D25D010-EC6DR2015309035-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P790684

CATALOG NUMBER: LER6D25D010-EC6DR2015309035-6LBS1H

**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	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	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	89																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	86																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	84																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	82																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	80																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	78																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	76																

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

	0°
0°	2076468
5°	1873357
10°	1051438
15°	534457
20°	226290
25°	104462
30°	55297
35°	29798
40°	15932
45°	9410
50°	5473
55°	2895
60°	1857
65°	1319
70°	543
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9410 cd/sqm



TEST NUMBER: P790684

CATALOG NUMBER: LER6D25D010-EC6DR2015309035-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1353.1	40.5
10°-20°	1332.4	39.9
20°-30°	435.3	13.0
30°-40°	148.2	4.4
40°-50°	49.8	1.5
50°-60°	15.0	0.4
60°-70°	5.0	0.2
70°-80°	0.2	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°	3120.8	93.5
0°-40°	3269.0	97.9
0°-60°	3333.8	99.8
0°-90°	3339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3339.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19005	
5°	17080	###
15°	4725	1332
25°	866	435
35°	223	148
45°	61	50
55°	15	15
65°	5	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P790684

CATALOG NUMBER: LER6D25D010-EC6DR2015309035-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19004.7
0.5°	19004.7
1°	18981.0
1.5°	18933.6
2°	18847.3
2.5°	18732.2
3°	18569.8
3.5°	18343.0
4°	18006.2
4.5°	17596.7
5°	17080.5
5.5°	16401.9
6°	15706.4
6.5°	14909.3
7°	14129.1
7.5°	13215.3
8°	12399.6
8.5°	11578.8
9°	10820.7
9.5°	10125.1
10°	9477.0
12.5°	6804.8
15°	4724.9
17.5°	3086.8
20°	1946.2
22.5°	1260.8
25°	866.5
27.5°	609.2
30°	438.3
32.5°	314.8
35°	223.4
37.5°	155.7
40°	111.7
42.5°	81.2
45°	60.9
47.5°	47.4
50°	32.2
52.5°	20.3
55°	15.2
57.5°	11.8
60°	8.5
62.5°	6.8
65°	5.1



TEST NUMBER: P790684

CATALOG NUMBER: LER6D25D010-EC6DR2015309035-6LBS1H

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	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



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

Scaled Data Report



— 0°-180°

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



67.5°	3.4
70°	1.7

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

Scaled Data Report



(END OF REPORT)