

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: P791169

Luminaire Tested: LER6D25D010-EC6DR7020359040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR7020359040-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5690.5 lumens  
Efficiency: N/A  
Efficacy: 226.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

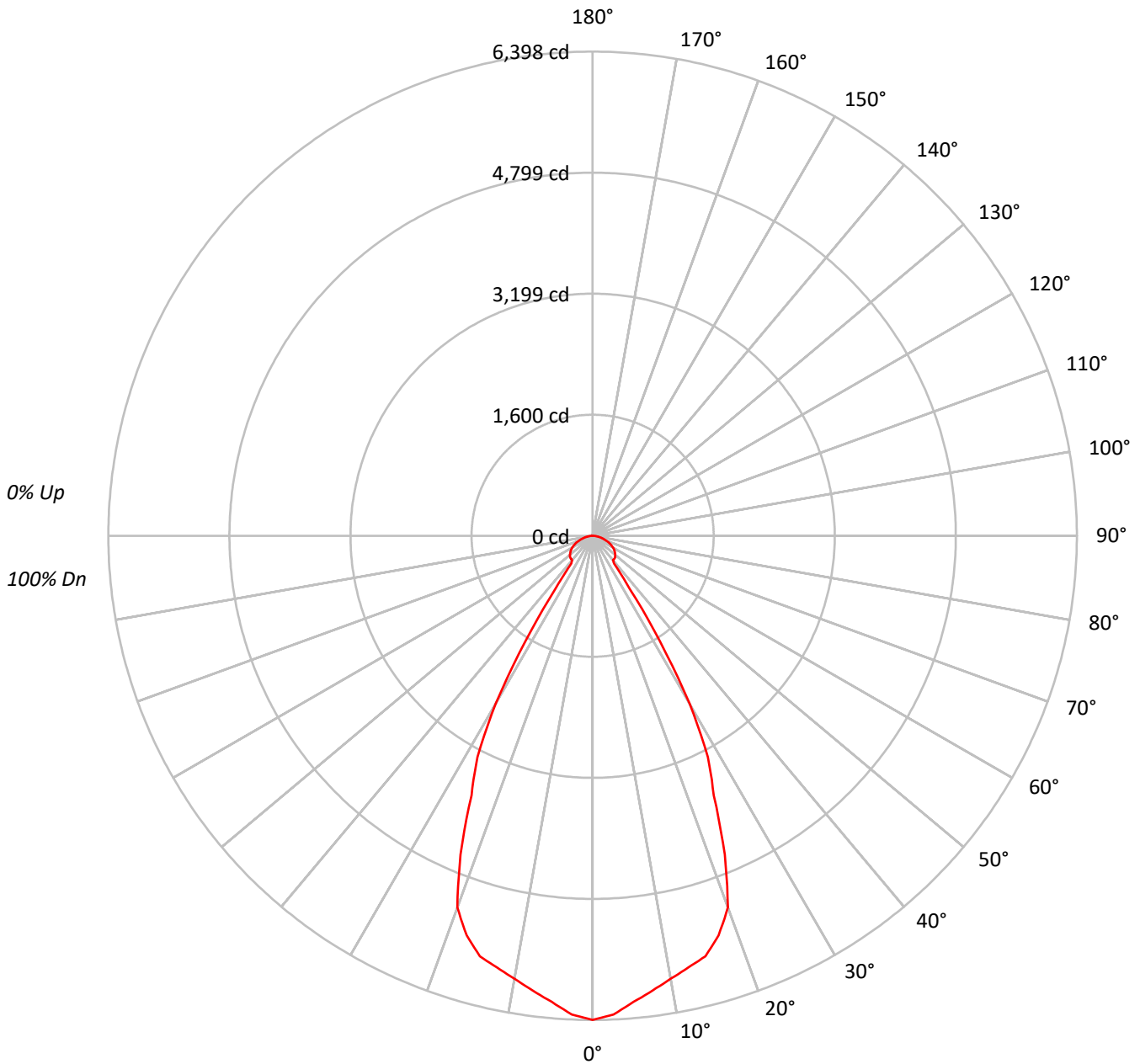
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791169  
CATALOG NUMBER: LER6D25D010-EC6DR7020359040-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P791169

CATALOG NUMBER: LER6D25D010-EC6DR7020359040-6LBDP1LI

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	699028
5°	678249
10°	659354
15°	650694
20°	607619
25°	456473
30°	322688
35°	114309
40°	60104
45°	64017
50°	66292
55°	67529
60°	67960
65°	66521
70°	62773
75°	58172
80°	51595
85°	41871

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 67980 cd/sqm



TEST NUMBER: P791169

CATALOG NUMBER: LER6D25D010-EC6DR7020359040-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.3	10.3
10°-20°	1599.9	28.1
20°-30°	1762.1	31.0
30°-40°	673.3	11.8
40°-50°	317.9	5.6
50°-60°	316.1	5.6
60°-70°	253.0	4.4
70°-80°	145.4	2.6
80°-90°	39.5	0.7
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°	3945.3	69.3
0°-40°	4618.6	81.2
0°-60°	5252.5	92.3
0°-90°	5690.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5690.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6398	
5°	6184	583
15°	5752	1600
25°	3786	1762
35°	857	673
45°	414	318
55°	354	316
65°	257	253
75°	138	145
85°	33	40
90°	0	



TEST NUMBER: P791169

CATALOG NUMBER: LER6D25D010-EC6DR7020359040-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6397.8
2.5°	6330.9
5°	6184.0
7.5°	6061.5
10°	5943.0
12.5°	5842.7
15°	5752.5
17.5°	5534.7
20°	5225.8
22.5°	4559.3
25°	3786.4
27.5°	3296.1
30°	2557.7
32.5°	1652.1
35°	857.0
37.5°	462.9
40°	421.4
42.5°	418.3
45°	414.3
47.5°	405.2
50°	390.0
52.5°	372.8
55°	354.5
57.5°	334.3
60°	311.0
62.5°	284.6
65°	257.3
67.5°	226.9
70°	196.5
72.5°	166.1
75°	137.8
77.5°	108.4
80°	82.0
82.5°	57.7
85°	33.4
87.5°	13.2
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



(END OF REPORT)