

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



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: P791702

Luminaire Tested: LER6D30D010-EC6DR6520359040-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR6520359040-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5289.0 lumens  
Efficiency: N/A  
Efficacy: 182.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

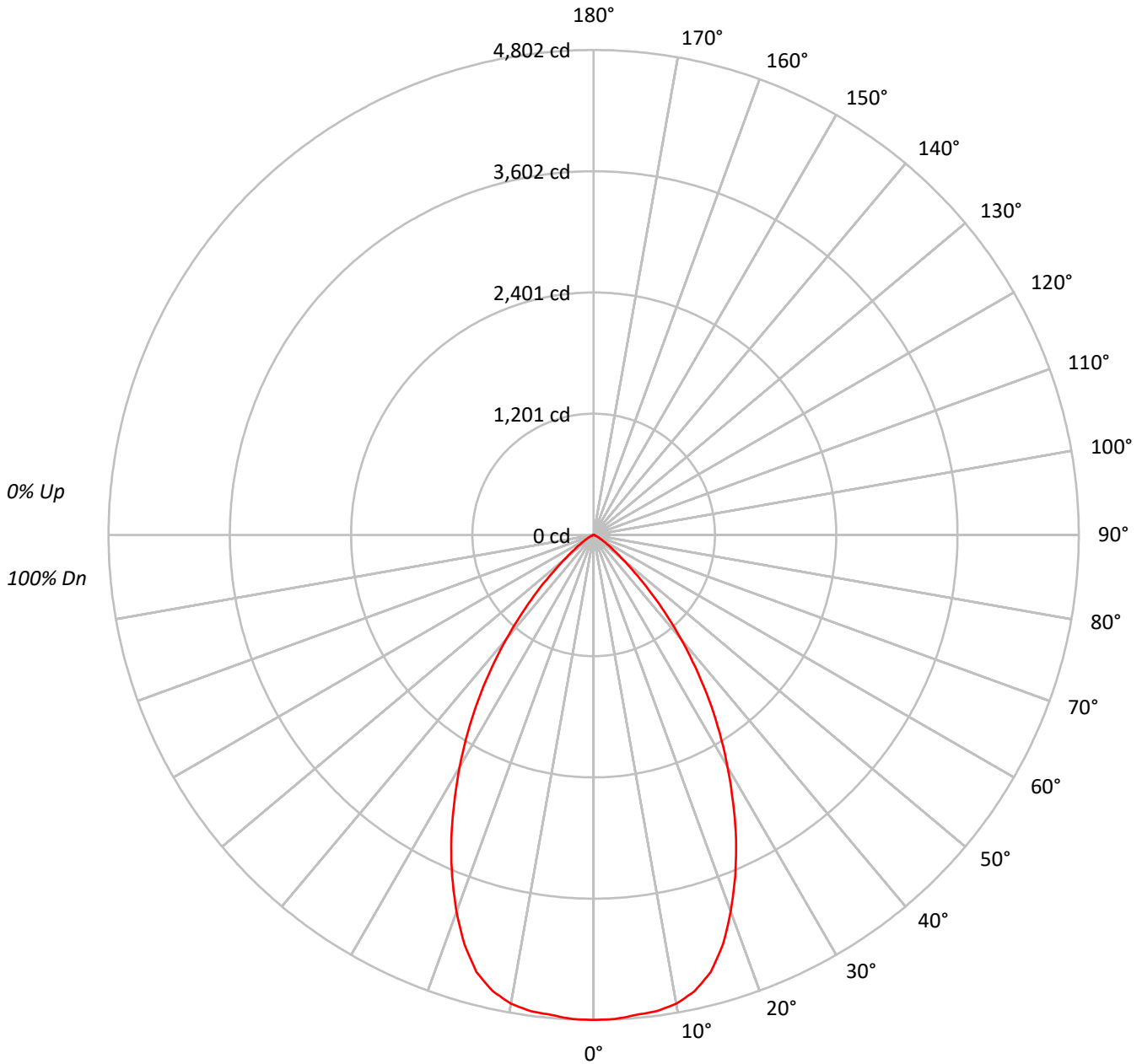
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791702  
CATALOG NUMBER: LER6D30D010-EC6DR6520359040-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P791702  
 CATALOG NUMBER: LER6D30D010-EC6DR6520359040-6LBS1MW

**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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	280473
5°	279762
10°	279527
15°	270910
20°	246626
25°	214919
30°	178754
35°	141633
40°	102224
45°	64581
50°	33664
55°	17890
60°	9391
65°	5169
70°	2169
75°	2392
80°	1648
85°	1407

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 64581 cd/sqm



TEST NUMBER: P791702

CATALOG NUMBER: LER6D30D010-EC6DR6520359040-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.1	8.6
10°-20°	1243.6	23.5
20°-30°	1520.1	28.7
30°-40°	1233.4	23.3
40°-50°	614.6	11.6
50°-60°	171.4	3.2
60°-70°	39.0	0.7
70°-80°	10.1	0.2
80°-90°	2.6	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°	3217.9	60.8
0°-40°	4451.3	84.2
0°-60°	5237.3	99.0
0°-90°	5289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5289.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4802	
5°	4772	454
15°	4480	1244
25°	3335	1520
35°	1986	1233
45°	782	615
55°	176	171
65°	37	39
75°	11	10
85°	2	3
90°	0	



TEST NUMBER: P791702

CATALOG NUMBER: LER6D30D010-EC6DR6520359040-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4802.3
2.5°	4798.7
5°	4771.9
7.5°	4756.4
10°	4713.4
12.5°	4625.8
15°	4480.5
17.5°	4253.2
20°	3968.1
22.5°	3660.5
25°	3335.1
27.5°	2987.2
30°	2650.6
32.5°	2318.2
35°	1986.5
37.5°	1655.6
40°	1340.8
42.5°	1045.8
45°	781.9
47.5°	544.8
50°	370.5
52.5°	255.5
55°	175.7
57.5°	118.6
60°	80.4
62.5°	55.8
65°	37.4
67.5°	19.1
70°	12.7
72.5°	12.0
75°	10.6
77.5°	7.1
80°	4.9
82.5°	3.5
85°	2.1
87.5°	1.4
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)