

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: P791674

Luminaire Tested: LER6D30D010-EC6DR6520359027-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR6520359027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4072.7 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' 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

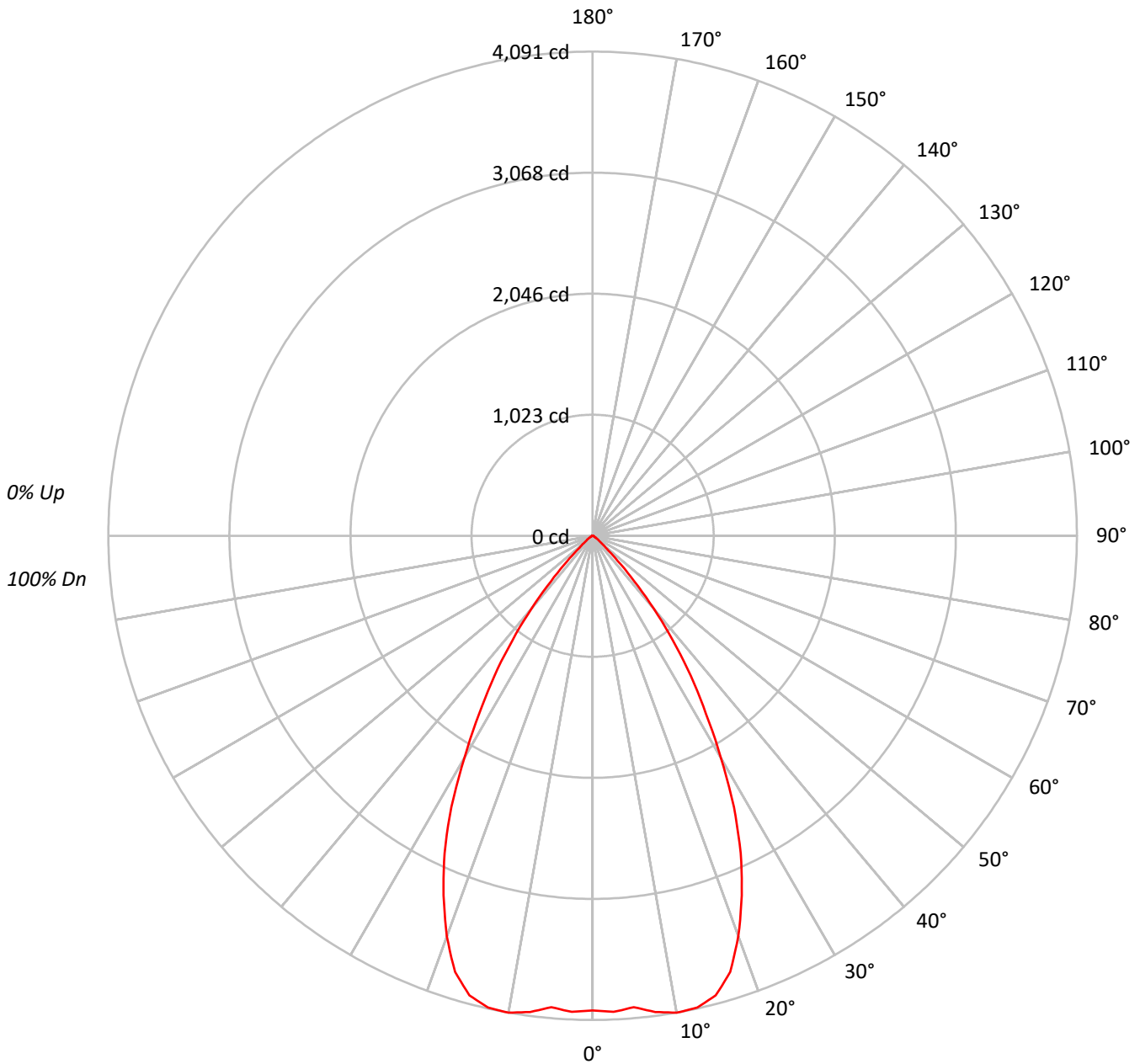


Downlight

TEST NUMBER: P791674

CATALOG NUMBER: LER6D30D010-EC6DR6520359027-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P791674

CATALOG NUMBER: LER6D30D010-EC6DR6520359027-6LBDP1MW

**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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

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

	0°
0°	438125
5°	438482
10°	453926
15°	454677
20°	418606
25°	356677
30°	273043
35°	192898
40°	113861
45°	46232
50°	16760
55°	9334
60°	5354
65°	2947
70°	3099
75°	2406
80°	2517
85°	2131

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 46232 cd/sqm



TEST NUMBER: P791674

CATALOG NUMBER: LER6D30D010-EC6DR6520359027-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.1	9.5
10°-20°	1113.8	27.3
20°-30°	1336.3	32.8
30°-40°	898.0	22.1
40°-50°	268.8	6.6
50°-60°	47.4	1.2
60°-70°	13.5	0.3
70°-80°	6.6	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°	2836.2	69.6
0°-40°	3734.3	91.7
0°-60°	4050.6	99.5
0°-90°	4072.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4010	
5°	3998	386
15°	4020	1114
25°	2959	1336
35°	1446	898
45°	299	269
55°	49	47
65°	11	14
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P791674

CATALOG NUMBER: LER6D30D010-EC6DR6520359027-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4009.9
2.5°	4027.0
5°	3997.9
7.5°	4058.3
10°	4091.4
12.5°	4083.4
15°	4019.6
17.5°	3863.5
20°	3600.2
22.5°	3290.2
25°	2958.6
27.5°	2584.2
30°	2164.2
32.5°	1783.6
35°	1446.2
37.5°	1112.9
40°	798.3
42.5°	521.4
45°	299.2
47.5°	158.4
50°	98.6
52.5°	68.4
55°	49.0
57.5°	35.3
60°	24.5
62.5°	16.0
65°	11.4
67.5°	10.3
70°	9.7
72.5°	7.4
75°	5.7
77.5°	5.1
80°	4.0
82.5°	2.8
85°	1.7
87.5°	1.1
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)