

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: P791398

Luminaire Tested: LER6D30D010-EC6DR3520359030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR3520359030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5316.4 lumens  
Efficiency: N/A  
Efficacy: 183.3 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

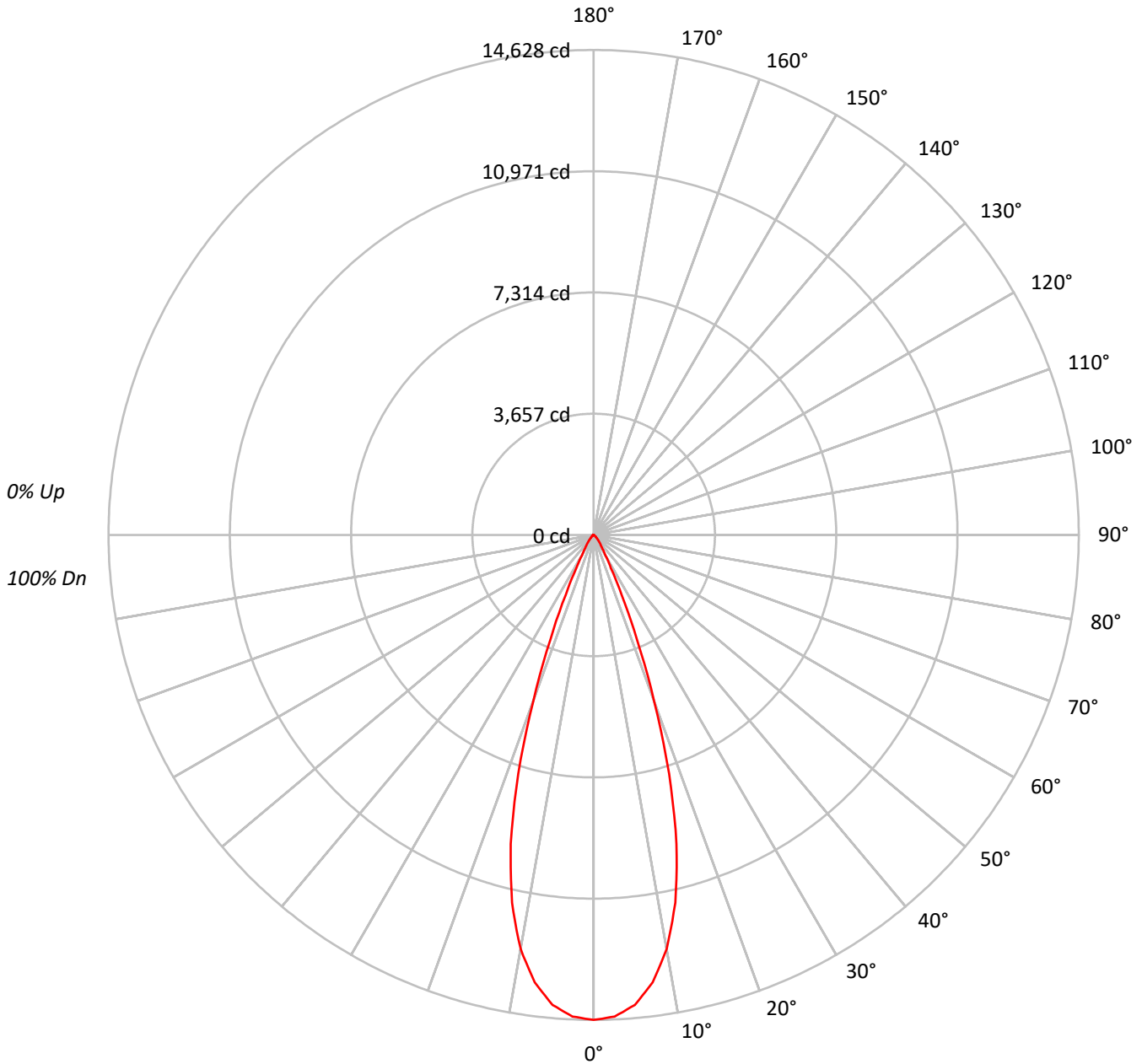
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791398  
CATALOG NUMBER: LER6D30D010-EC6DR3520359030-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P791398

CATALOG NUMBER: LER6D30D010-EC6DR3520359030-6LBS1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

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

	0°
0°	1598277
5°	1560720
10°	1406621
15°	1091764
20°	619234
25°	240907
30°	89879
35°	49272
40°	32206
45°	19593
50°	12476
55°	8820
60°	6446
65°	3516
70°	256
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19593 cd/sqm



TEST NUMBER: P791398

CATALOG NUMBER: LER6D30D010-EC6DR3520359030-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1308.7	24.6
10°-20°	2555.2	48.1
20°-30°	1042.1	19.6
30°-40°	249.4	4.7
40°-50°	103.9	2.0
50°-60°	43.0	0.8
60°-70°	13.5	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4906.1	92.3
0°-40°	5155.5	97.0
0°-60°	5302.4	99.7
0°-90°	5316.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5316.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14628	
5°	14230	###
15°	9652	2555
25°	1998	1042
35°	369	249
45°	127	104
55°	46	43
65°	14	13
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P791398

CATALOG NUMBER: LER6D30D010-EC6DR3520359030-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14628.1
2.5°	14540.3
5°	14230.0
7.5°	13610.9
10°	12678.4
12.5°	11365.3
15°	9651.8
17.5°	7556.1
20°	5325.7
22.5°	3396.0
25°	1998.3
27.5°	1129.6
30°	712.4
32.5°	500.2
35°	369.4
37.5°	285.6
40°	225.8
42.5°	173.9
45°	126.8
47.5°	94.9
50°	73.4
52.5°	58.2
55°	46.3
57.5°	37.5
60°	29.5
62.5°	21.5
65°	13.6
67.5°	4.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.8
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



(END OF REPORT)