

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: P791640

Luminaire Tested: LER6D30D010-EC6DR6020359035-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791640  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR6020359035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5888.9 lumens  
Efficiency: N/A  
Efficacy: 203.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

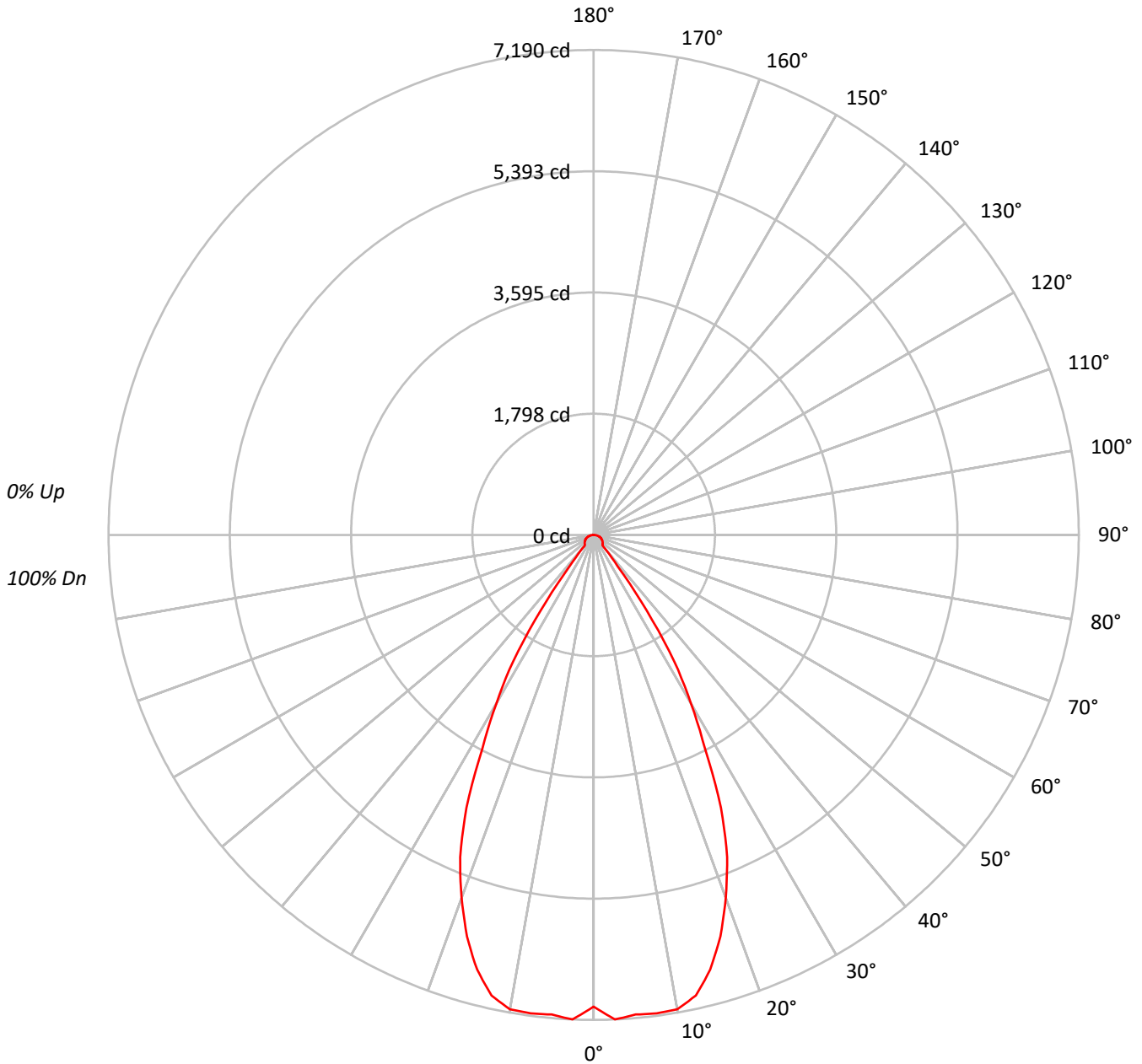
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P791640  
CATALOG NUMBER: LER6D30D010-EC6DR6020359035-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P791640

CATALOG NUMBER: LER6D30D010-EC6DR6020359035-6LBDP1H

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

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

	0°
0°	764137
5°	782926
10°	792389
15°	754851
20°	665546
25°	538318
30°	364120
35°	182468
40°	29596
45°	28972
50°	29542
55°	30002
60°	30833
65°	31541
70°	32265
75°	32674
80°	31523
85°	26201

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 32674 cd/sqm



TEST NUMBER: P791640

CATALOG NUMBER: LER6D30D010-EC6DR6020359035-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	682.3	11.6
10°-20°	1845.9	31.3
20°-30°	1986.0	33.7
30°-40°	863.3	14.7
40°-50°	145.0	2.5
50°-60°	141.0	2.4
60°-70°	120.6	2.0
70°-80°	80.7	1.4
80°-90°	24.1	0.4
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°	4514.2	76.7
0°-40°	5377.4	91.3
0°-60°	5663.4	96.2
0°-90°	5888.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5888.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6994	
5°	7138	682
15°	6673	1846
25°	4465	1986
35°	1368	863
45°	188	145
55°	158	141
65°	122	121
75°	77	81
85°	21	24
90°	0	



TEST NUMBER: P791640  
CATALOG NUMBER: LER6D30D010-EC6DR6020359035-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6993.7
2.5°	7190.3
5°	7138.4
7.5°	7154.8
10°	7142.1
12.5°	6994.6
15°	6673.3
17.5°	6241.9
20°	5724.0
22.5°	5169.8
25°	4465.3
27.5°	3571.5
30°	2886.1
32.5°	2224.4
35°	1368.0
37.5°	585.2
40°	207.5
42.5°	191.1
45°	187.5
47.5°	181.1
50°	173.8
52.5°	165.7
55°	157.5
57.5°	149.3
60°	141.1
62.5°	132.0
65°	122.0
67.5°	112.0
70°	101.0
72.5°	89.2
75°	77.4
77.5°	63.7
80°	50.1
82.5°	35.5
85°	20.9
87.5°	7.3
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)