

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: P791691

Luminaire Tested: LER6D30D010-EC6DR6520359035-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791691  
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-EC6DR6520359035-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5028.8 lumens  
Efficiency: N/A  
Efficacy: 173.4 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

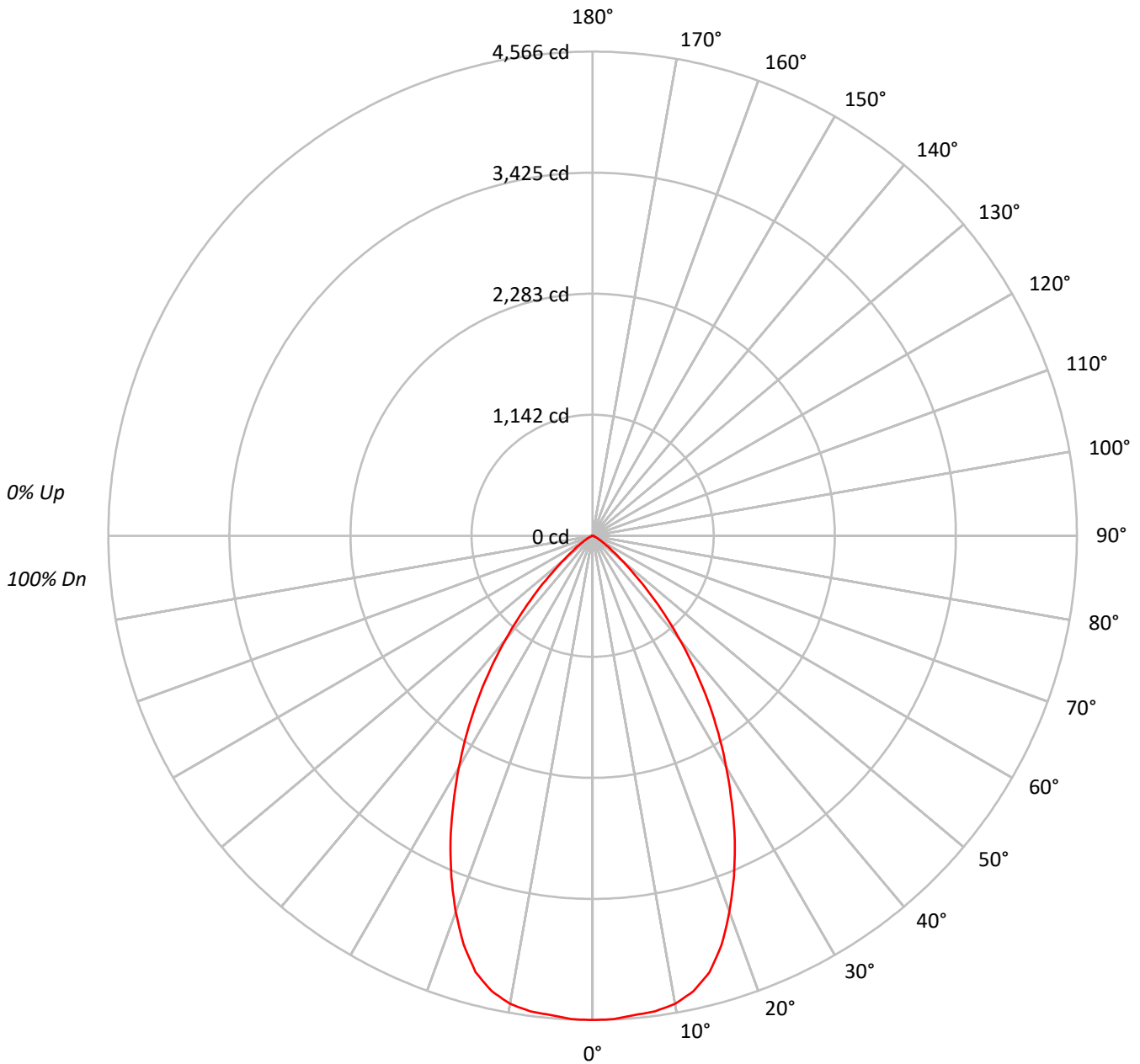


Downlight

TEST NUMBER: P791691

CATALOG NUMBER: LER6D30D010-EC6DR6520359035-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P791691

CATALOG NUMBER: LER6D30D010-EC6DR6520359035-6LBS1B

**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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

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

	0°
0°	266672
5°	266002
10°	265775
15°	257583
20°	234494
25°	204351
30°	169960
35°	134668
40°	97199
45°	61402
50°	32010
55°	17015
60°	8936
65°	4920
70°	2066
75°	2279
80°	1581
85°	1340

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 61402 cd/sqm



TEST NUMBER: P791691

CATALOG NUMBER: LER6D30D010-EC6DR6520359035-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.8	8.6
10°-20°	1182.4	23.5
20°-30°	1445.4	28.7
30°-40°	1172.7	23.3
40°-50°	584.4	11.6
50°-60°	163.0	3.2
60°-70°	37.0	0.7
70°-80°	9.6	0.2
80°-90°	2.5	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°	3059.6	60.8
0°-40°	4232.3	84.2
0°-60°	4979.7	99.0
0°-90°	5028.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5028.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4566	
5°	4537	432
15°	4260	1182
25°	3171	1445
35°	1889	1173
45°	743	584
55°	167	163
65°	36	37
75°	10	10
85°	2	2
90°	0	



TEST NUMBER: P791691

CATALOG NUMBER: LER6D30D010-EC6DR6520359035-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4566.0
2.5°	4562.7
5°	4537.2
7.5°	4522.4
10°	4481.5
12.5°	4398.3
15°	4260.1
17.5°	4044.0
20°	3772.9
22.5°	3480.4
25°	3171.1
27.5°	2840.3
30°	2520.2
32.5°	2204.2
35°	1888.8
37.5°	1574.1
40°	1274.9
42.5°	994.4
45°	743.4
47.5°	518.0
50°	352.3
52.5°	242.9
55°	167.1
57.5°	112.7
60°	76.5
62.5°	53.0
65°	35.6
67.5°	18.1
70°	12.1
72.5°	11.4
75°	10.1
77.5°	6.7
80°	4.7
82.5°	3.4
85°	2.0
87.5°	1.3
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)