

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: P794223

Luminaire Tested: LER6D60D010-EC6DR3055659030-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D60D010-EC6DR3055659030-6LBDBP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5629.1 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

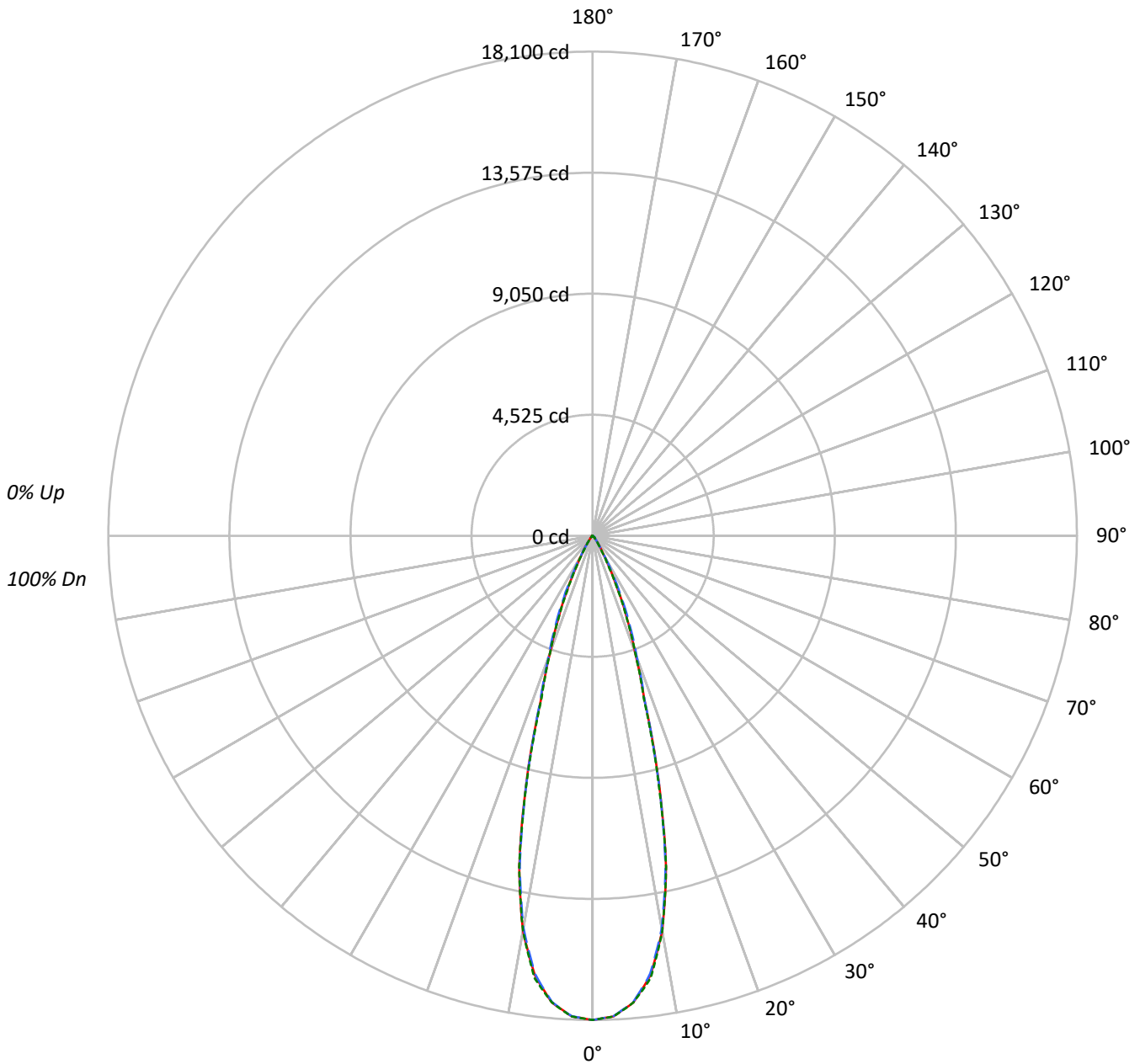
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794223  
CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P794223

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1B

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	1385451	1385451	1385451
5°	1345679	1344111	1345748
10°	1165568	1157344	1165288
15°	760477	756388	752584
20°	378150	392332	377637
25°	190483	214798	186581
30°	76267	83099	66448
35°	35377	33882	28397
40°	15268	16956	14389
45°	10771	13369	10868
50°	3703	9741	3918
55°	2135	4030	2255
60°	1500	1776	1500
65°	960	960	960
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13369 cd/sqm



TEST NUMBER: P794223

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1591.6	28.3
10°-20°	2563.4	45.5
20°-30°	1107.7	19.7
30°-40°	252.5	4.5
40°-50°	86.7	1.5
50°-60°	21.2	0.4
60°-70°	5.5	0.1
70°-80°	0.6	0.0
80°-90°	0.0	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°	5262.7	93.5
0°-40°	5515.1	98.0
0°-60°	5623.0	99.9
0°-90°	5629.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5629.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18100	18100	18100	18100	18100	
5°	17514	17497	17493	17530	17515	1593
15°	9597	9481	9545	9514	9497	2570
25°	2255	2341	2543	2281	2209	1080
35°	379	387	363	360	304	257
45°	100	124	124	124	100	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P794223

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	18100.2	18100.2	18100.2	18100.2	18100.2
2.5°	17980.3	17967.8	17974.9	17983.8	17987.4
5°	17513.7	17496.8	17493.3	17529.7	17514.6
7.5°	16572.6	16548.6	16512.2	16594.9	16672.2
10°	14996.2	14969.5	14890.4	14929.5	14992.6
12.5°	12668.8	12582.6	12580.8	12705.2	12688.3
15°	9596.7	9481.1	9545.1	9514.0	9497.1
17.5°	6453.5	6409.0	6494.3	6468.6	6357.5
20°	4642.4	4653.9	4816.5	4734.8	4636.1
22.5°	3387.6	3429.3	3622.2	3411.6	3334.3
25°	2255.4	2340.7	2543.3	2281.2	2209.2
27.5°	1387.2	1426.3	1631.6	1369.4	1330.3
30°	862.9	843.3	940.2	806.9	751.8
32.5°	566.1	541.2	572.3	513.6	469.2
35°	378.6	386.6	362.6	359.9	303.9
37.5°	236.4	271.9	239.9	255.9	195.5
40°	152.8	197.3	169.7	187.5	144.0
42.5°	125.3	152.0	139.5	148.4	128.0
45°	99.5	123.5	123.5	123.5	100.4
47.5°	55.1	82.6	105.8	84.4	58.7
50°	31.1	41.8	81.8	43.5	32.9
52.5°	21.3	24.0	56.0	24.9	22.2
55°	16.0	16.9	30.2	17.8	16.9
57.5°	12.4	13.3	16.0	13.3	12.4
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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)