

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: P768742

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768742  
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: LD6D60D010-EU6DR3055659030-6LBS1B  
Description: 6 INCH ROUND SHALLOW 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: 6900.4 lumens  
Efficiency: N/A  
Efficacy: 107.1 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

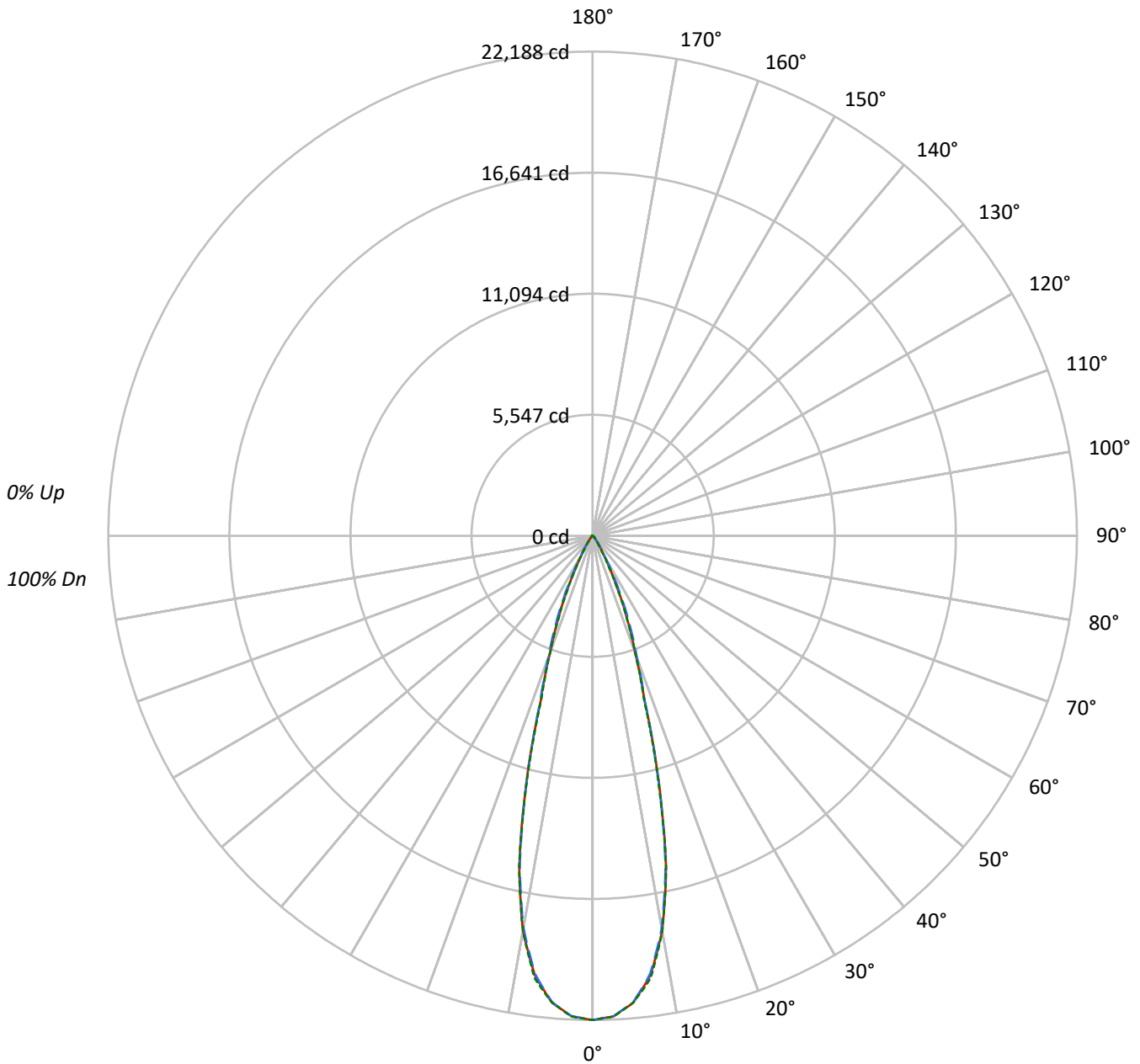
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P768742  
CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P768742

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBS1B

**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																			
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°	1698360	1698360	1698360
5°	1649610	1647682	1649687
10°	1428812	1418731	1428470
15°	932229	927221	922561
20°	463557	480948	462929
25°	233505	263318	228725
30°	93493	101872	81455
35°	43367	41535	34817
40°	18725	20793	17636
45°	13206	16389	13325
50°	4537	11932	4799
55°	2616	4938	2762
60°	1837	2174	1837
65°	1177	1177	1177
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16389 cd/sqm



TEST NUMBER: P768742

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1951.1	28.3
10°-20°	3142.3	45.5
20°-30°	1357.9	19.7
30°-40°	309.5	4.5
40°-50°	106.3	1.5
50°-60°	26.0	0.4
60°-70°	6.7	0.1
70°-80°	0.7	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°	6451.3	93.5
0°-40°	6760.8	98.0
0°-60°	6893.0	99.9
0°-90°	6900.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6900.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22188	22188	22188	22188	22188	
5°	21469	21449	21444	21489	21470	1953
15°	11764	11622	11701	11663	11642	3150
25°	2765	2869	3118	2796	2708	1323
35°	464	474	444	441	373	315
45°	122	151	151	151	123	87
55°	20	21	37	22	21	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P768742

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	22188.2	22188.2	22188.2	22188.2	22188.2
2.5°	22041.2	22025.9	22034.6	22045.5	22049.9
5°	21469.3	21448.6	21444.2	21488.9	21470.3
7.5°	20315.6	20286.2	20241.5	20342.8	20437.6
10°	18383.1	18350.4	18253.4	18301.4	18378.7
12.5°	15530.0	15424.4	15422.2	15574.7	15554.0
15°	11764.1	11622.5	11700.9	11662.8	11642.1
17.5°	7911.0	7856.5	7961.1	7929.5	7793.3
20°	5690.9	5705.0	5904.4	5804.1	5683.2
22.5°	4152.7	4203.9	4440.3	4182.1	4087.3
25°	2764.8	2869.4	3117.8	2796.4	2708.2
27.5°	1700.5	1748.4	2000.1	1678.7	1630.8
30°	1057.8	1033.8	1152.6	989.1	921.6
32.5°	693.9	663.4	701.6	629.7	575.2
35°	464.1	473.9	444.5	441.2	372.6
37.5°	289.8	333.3	294.1	313.7	239.7
40°	187.4	241.8	208.1	229.9	176.5
42.5°	153.6	186.3	171.0	181.9	156.9
45°	122.0	151.4	151.4	151.4	123.1
47.5°	67.5	101.3	129.6	103.5	71.9
50°	38.1	51.2	100.2	53.4	40.3
52.5°	26.1	29.4	68.6	30.5	27.2
55°	19.6	20.7	37.0	21.8	20.7
57.5°	15.3	16.3	19.6	16.3	15.3
60°	12.0	12.0	14.2	13.1	12.0
62.5°	8.7	8.7	9.8	8.7	8.7
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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)