

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: P771841

Luminaire Tested: LD6D80BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771841  
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: LD6D80BD010-EU6DR3070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6799.7 lumens  
Efficiency: N/A  
Efficacy: 86.2 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

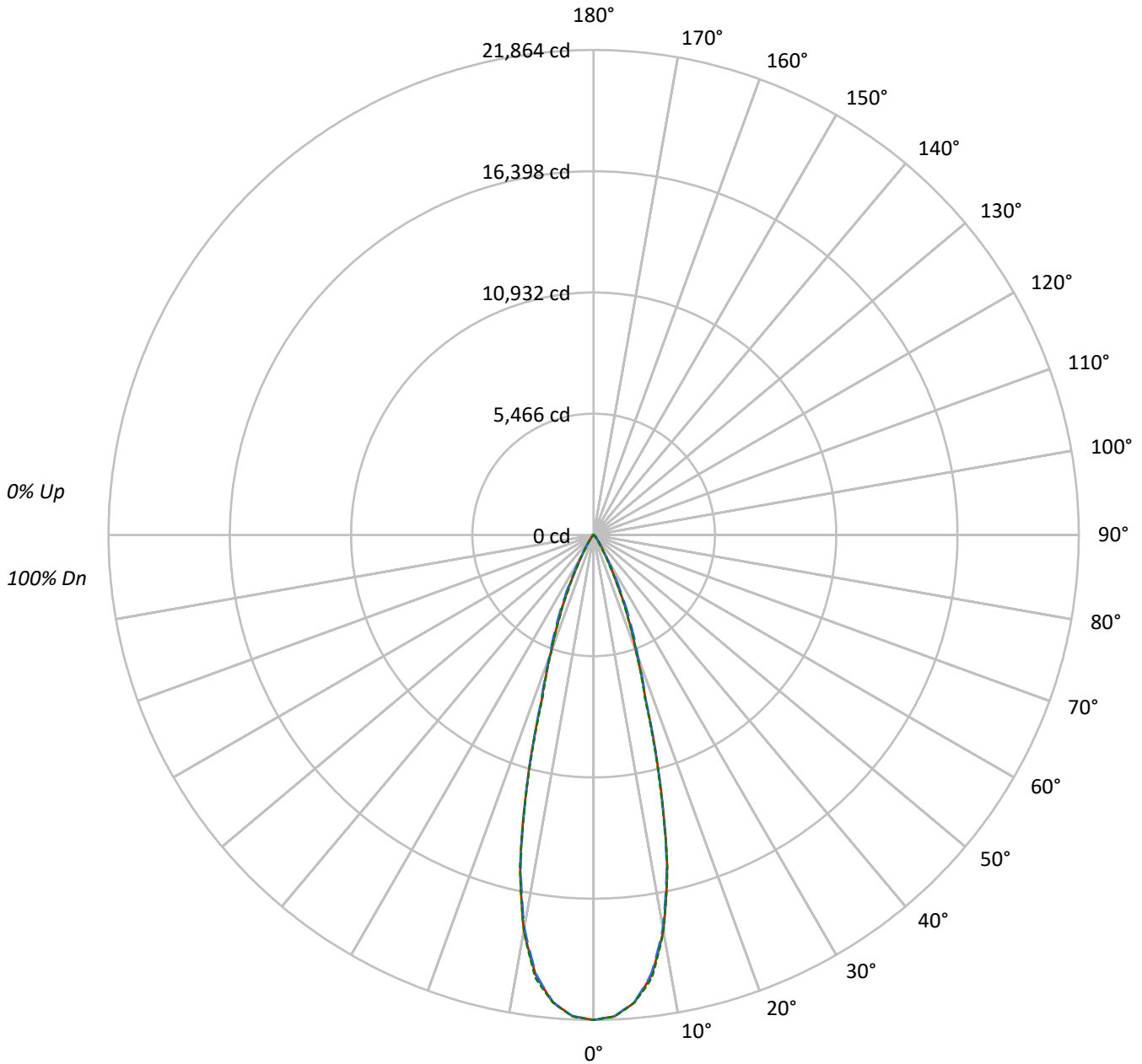
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P771841

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P771841

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBSQW1MW

**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	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°	1673568	1673568	1673568
5°	1625522	1623625	1625607
10°	1407951	1398025	1407616
15°	918615	913686	909090
20°	456788	473926	456177
25°	230101	259475	225380
30°	92123	100379	80271
35°	42731	40928	34303
40°	18445	20484	17376
45°	13011	16151	13131
50°	4477	11765	4727
55°	2576	4871	2722
60°	1806	2143	1806
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16151 cd/sqm



TEST NUMBER: P771841

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1922.6	28.3
10°-20°	3096.4	45.5
20°-30°	1338.0	19.7
30°-40°	305.0	4.5
40°-50°	104.7	1.5
50°-60°	25.6	0.4
60°-70°	6.6	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°	6357.1	93.5
0°-40°	6662.1	98.0
0°-60°	6792.4	99.9
0°-90°	6799.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6799.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21864	21864	21864	21864	21864	
5°	21156	21135	21131	21175	21157	1924
15°	11592	11453	11530	11492	11472	3104
25°	2724	2828	3072	2756	2669	1304
35°	457	467	438	435	367	310
45°	120	149	149	149	121	85
55°	19	20	36	22	20	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: P771841

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21864.3	21864.3	21864.3	21864.3	21864.3
2.5°	21719.4	21704.4	21713.0	21723.7	21728.0
5°	21155.8	21135.4	21131.1	21175.2	21156.9
7.5°	20019.0	19990.1	19946.0	20045.9	20139.3
10°	18114.7	18082.5	17987.0	18034.2	18110.4
12.5°	15303.3	15199.2	15197.0	15347.3	15326.9
15°	11592.3	11452.8	11530.1	11492.5	11472.1
17.5°	7795.5	7741.8	7844.9	7813.7	7679.6
20°	5607.8	5621.7	5818.2	5719.4	5600.3
22.5°	4092.0	4142.5	4375.4	4121.0	4027.6
25°	2724.5	2827.5	3072.3	2755.6	2668.6
27.5°	1675.7	1722.9	1970.9	1654.2	1607.0
30°	1042.3	1018.7	1135.7	974.7	908.2
32.5°	683.8	653.7	691.3	620.5	566.8
35°	457.3	467.0	438.0	434.8	367.1
37.5°	285.5	328.5	289.8	309.2	236.2
40°	184.6	238.3	205.0	226.5	173.9
42.5°	151.4	183.6	168.5	179.3	154.6
45°	120.2	149.2	149.2	149.2	121.3
47.5°	66.6	99.8	127.7	102.0	70.8
50°	37.6	50.5	98.8	52.6	39.7
52.5°	25.8	29.0	67.6	30.1	26.8
55°	19.3	20.4	36.5	21.5	20.4
57.5°	15.0	16.1	19.3	16.1	15.0
60°	11.8	11.8	14.0	12.9	11.8
62.5°	8.6	8.6	9.7	8.6	8.6
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	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)