

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: P771855

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771855  
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-EU6DR3070959030-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8619.1 lumens  
Efficiency: N/A  
Efficacy: 109.2 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

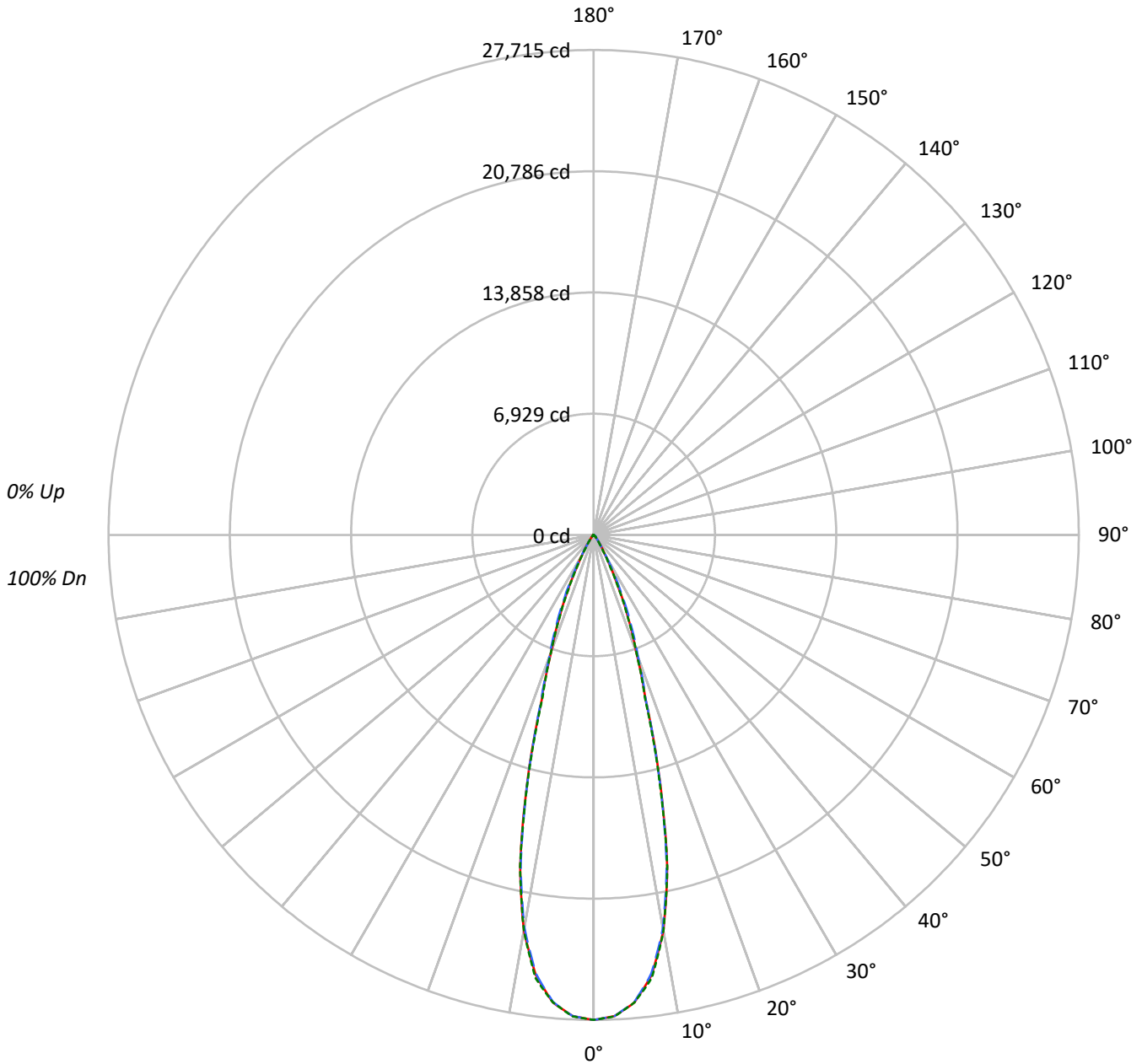
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P771855

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P771855

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMB

**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°	2121370	2121370	2121370
5°	2060467	2058069	2060574
10°	1784680	1772096	1784260
15°	1164413	1158160	1152336
20°	579012	600736	578230
25°	291661	328898	285690
30°	116774	127239	101740
35°	54168	51879	43488
40°	23381	25969	22022
45°	16497	20470	16649
50°	5668	14909	5990
55°	3270	6179	3456
60°	2296	2710	2296
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20470 cd/sqm



TEST NUMBER: P771855

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2437.1	28.3
10°-20°	3924.9	45.5
20°-30°	1696.1	19.7
30°-40°	386.6	4.5
40°-50°	132.7	1.5
50°-60°	32.4	0.4
60°-70°	8.4	0.1
70°-80°	0.9	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°	8058.1	93.5
0°-40°	8444.7	98.0
0°-60°	8609.8	99.9
0°-90°	8619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8619.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	27715	27715	27715	27715	27715	
5°	26816	26791	26785	26841	26818	2439
15°	14694	14517	14615	14568	14542	3935
25°	3453	3584	3894	3493	3383	1653
35°	580	592	555	551	465	393
45°	152	189	189	189	154	108
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771855

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	27714.6	27714.6	27714.6	27714.6	27714.6
2.5°	27530.9	27511.9	27522.7	27536.4	27541.8
5°	26816.5	26790.7	26785.3	26841.0	26817.9
7.5°	25375.6	25338.8	25283.0	25409.6	25528.0
10°	22961.7	22920.9	22799.8	22859.6	22956.3
12.5°	19398.0	19266.1	19263.3	19453.8	19428.0
15°	14694.1	14517.2	14615.2	14567.6	14541.7
17.5°	9881.4	9813.3	9943.9	9904.5	9734.4
20°	7108.3	7126.0	7375.0	7249.8	7098.7
22.5°	5187.0	5250.9	5546.2	5223.7	5105.3
25°	3453.4	3584.1	3894.3	3492.9	3382.7
27.5°	2124.0	2183.9	2498.2	2096.8	2037.0
30°	1321.2	1291.3	1439.6	1235.5	1151.1
32.5°	866.8	828.7	876.3	786.5	718.4
35°	579.7	591.9	555.2	551.1	465.4
37.5°	361.9	416.4	367.4	391.9	299.4
40°	234.0	302.1	259.9	287.1	220.4
42.5°	191.9	232.7	213.6	227.2	195.9
45°	152.4	189.1	189.1	189.1	153.8
47.5°	84.4	126.5	161.9	129.3	89.8
50°	47.6	64.0	125.2	66.7	50.3
52.5°	32.7	36.7	85.7	38.1	34.0
55°	24.5	25.9	46.3	27.2	25.9
57.5°	19.0	20.4	24.5	20.4	19.0
60°	15.0	15.0	17.7	16.3	15.0
62.5°	10.9	10.9	12.2	10.9	10.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.4	5.4	5.4	5.4
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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)