

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: P771863

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771863  
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-EU6DR3070959030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9935.2 lumens  
Efficiency: N/A  
Efficacy: 125.9 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

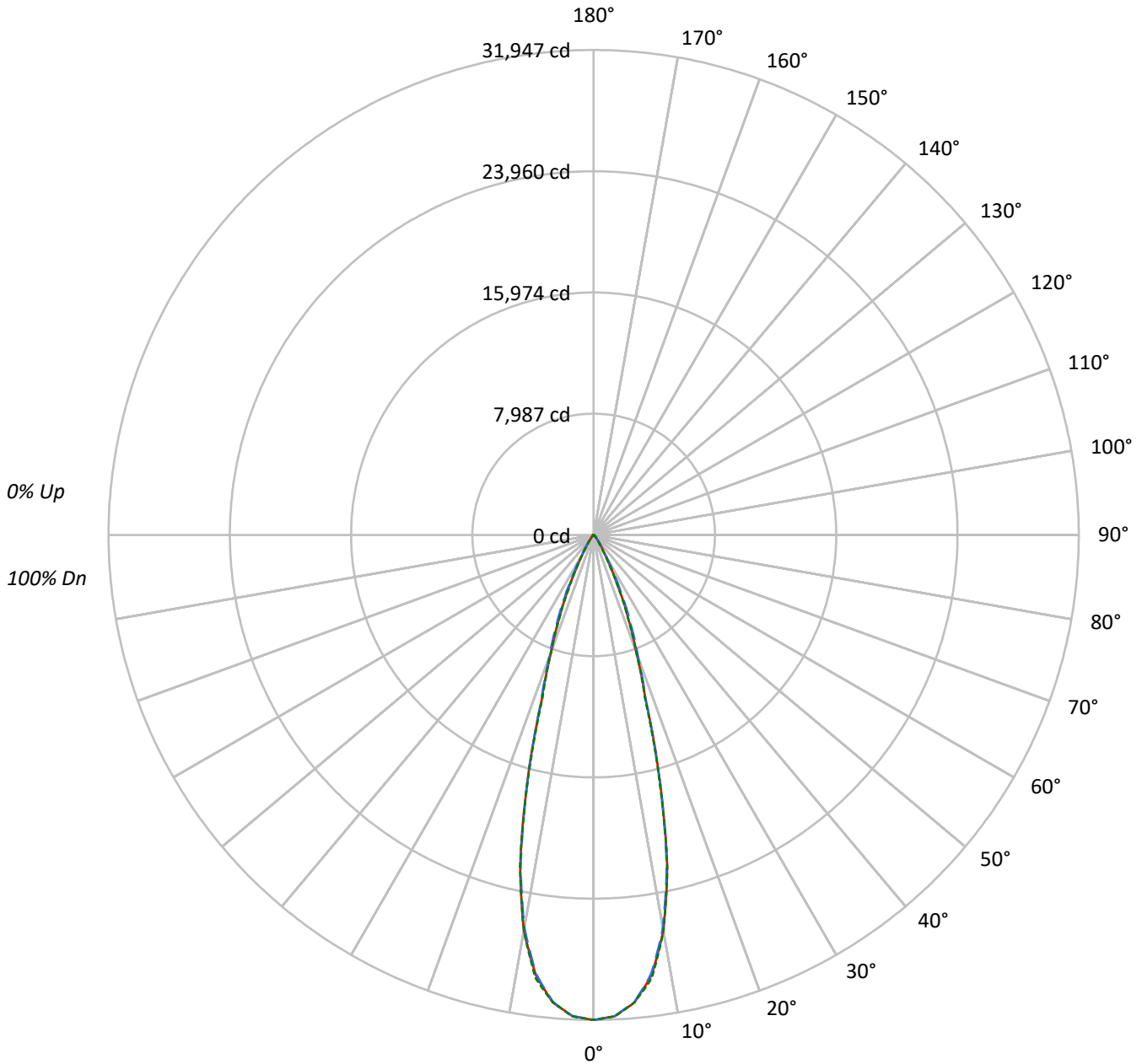
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P771863  
CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P771863

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBS1H

**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°	2445309	2445309	2445309
5°	2375109	2372335	2375232
10°	2057204	2042701	2056714
15°	1342227	1335016	1328304
20°	667424	692464	666528
25°	336204	379124	329312
30°	134610	146666	117278
35°	62438	59794	50122
40°	26958	29936	25390
45°	19019	23598	19182
50°	6538	17183	6907
55°	3763	7113	3977
60°	2648	3123	2648
65°	1703	1703	1703
70°	1052	694	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 23598 cd/sqm



TEST NUMBER: P771863

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2809.2	28.3
10°-20°	4524.3	45.5
20°-30°	1955.1	19.7
30°-40°	445.6	4.5
40°-50°	153.0	1.5
50°-60°	37.4	0.4
60°-70°	9.7	0.1
70°-80°	1.0	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°	9288.6	93.5
0°-40°	9734.2	98.0
0°-60°	9924.5	99.9
0°-90°	9935.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9935.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31947	31947	31947	31947	31947	
5°	30912	30882	30875	30940	30913	2812
15°	16938	16734	16847	16792	16762	4535
25°	3981	4131	4489	4026	3899	1905
35°	668	682	640	635	536	453
45°	176	218	218	218	177	125
55°	28	30	53	31	30	27
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771863

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	31946.7	31946.7	31946.7	31946.7	31946.7
2.5°	31734.9	31713.0	31725.5	31741.2	31747.5
5°	30911.5	30881.7	30875.4	30939.7	30913.1
7.5°	29250.5	29208.1	29143.8	29289.7	29426.1
10°	26468.0	26420.9	26281.4	26350.4	26461.7
12.5°	22360.2	22208.0	22204.9	22424.5	22394.7
15°	16938.0	16734.1	16847.0	16792.1	16762.3
17.5°	11390.3	11311.8	11462.4	11416.9	11220.9
20°	8193.7	8214.1	8501.1	8356.8	8182.7
22.5°	5979.0	6052.7	6393.1	6021.4	5884.9
25°	3980.8	4131.4	4489.0	4026.3	3899.2
27.5°	2448.4	2517.4	2879.7	2417.0	2348.0
30°	1523.0	1488.5	1659.4	1424.2	1326.9
32.5°	999.1	955.2	1010.1	906.6	828.2
35°	668.2	682.3	639.9	635.2	536.4
37.5°	417.2	480.0	423.5	451.7	345.1
40°	269.8	348.2	299.6	330.9	254.1
42.5°	221.2	268.2	246.3	261.9	225.9
45°	175.7	218.0	218.0	218.0	177.2
47.5°	97.2	145.9	186.6	149.0	103.5
50°	54.9	73.7	144.3	76.9	58.0
52.5°	37.6	42.3	98.8	43.9	39.2
55°	28.2	29.8	53.3	31.4	29.8
57.5°	22.0	23.5	28.2	23.5	22.0
60°	17.3	17.3	20.4	18.8	17.3
62.5°	12.5	12.5	14.1	12.5	12.5
65°	9.4	9.4	9.4	9.4	9.4
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.1	3.1	3.1	4.7
72.5°	3.1	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)