

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: P771886

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771886  
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-EU6DR3070959040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10483.0 lumens  
Efficiency: N/A  
Efficacy: 132.9 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

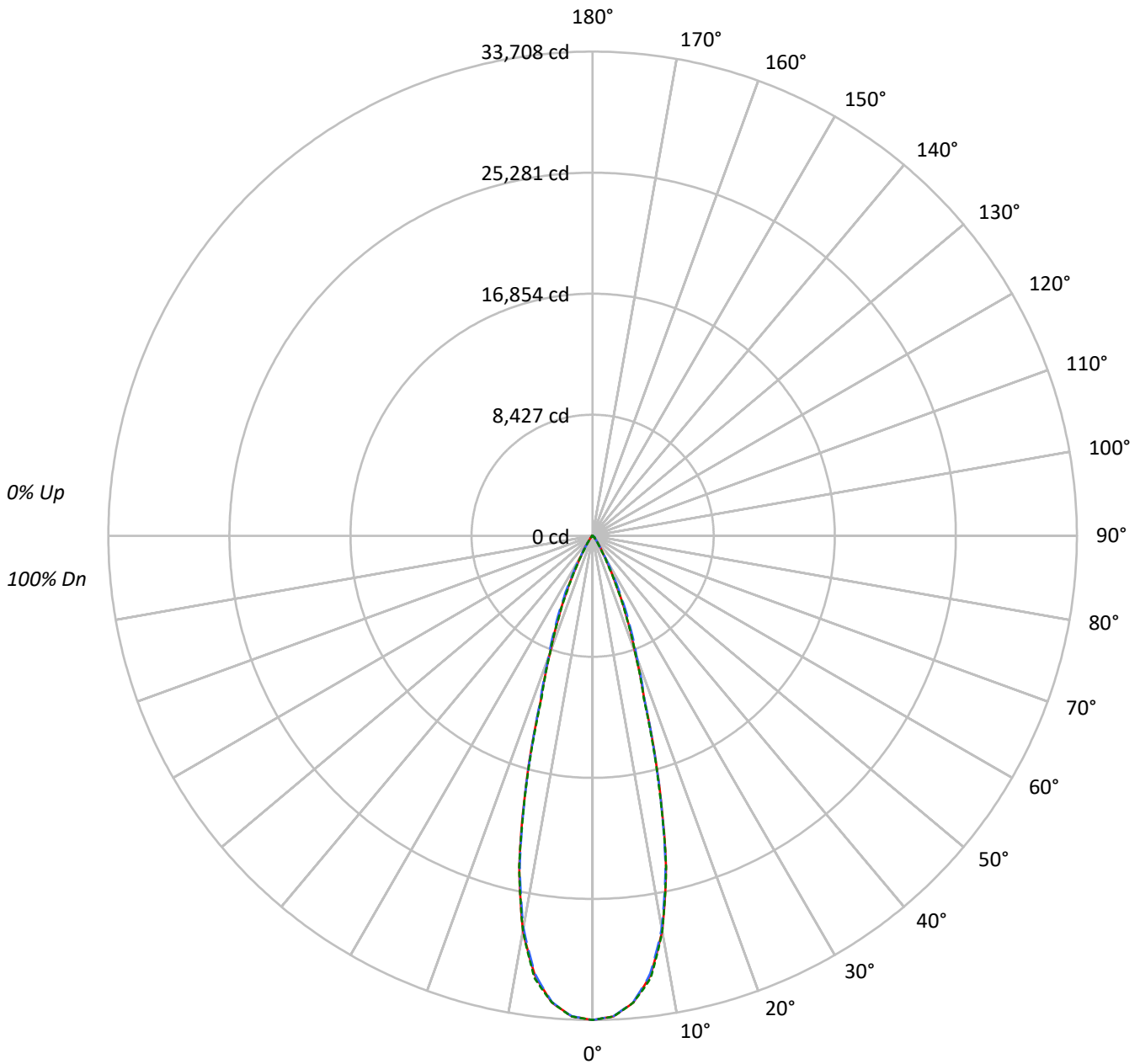


Downlight

TEST NUMBER: P771886

CATALOG NUMBER: LD6D80BD010-EU6DR3070959040-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P771886

CATALOG NUMBER: LD6D80BD010-EU6DR3070959040-6LBDP1LI

**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°	2580125	2580125	2580125
5°	2506053	2503133	2506183
10°	2170627	2155315	2170114
15°	1416225	1408618	1401533
20°	704226	730642	703281
25°	354742	400027	347470
30°	142034	154753	123747
35°	65877	63092	52888
40°	28447	31585	26789
45°	20069	24897	20243
50°	6895	18136	7288
55°	3977	7513	4190
60°	2786	3291	2786
65°	1793	1793	1793
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 24897 cd/sqm



TEST NUMBER: P771886

CATALOG NUMBER: LD6D80BD010-EU6DR3070959040-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2964.1	28.3
10°-20°	4773.7	45.5
20°-30°	2062.9	19.7
30°-40°	470.2	4.5
40°-50°	161.4	1.5
50°-60°	39.4	0.4
60°-70°	10.2	0.1
70°-80°	1.1	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°	9800.7	93.5
0°-40°	10270.9	98.0
0°-60°	10471.7	99.9
0°-90°	10483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33708	33708	33708	33708	33708	
5°	32616	32584	32578	32646	32617	2967
15°	17872	17657	17776	17718	17686	4785
25°	4200	4359	4736	4248	4114	2011
35°	705	720	675	670	566	478
45°	185	230	230	230	187	132
55°	30	31	56	33	31	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771886

CATALOG NUMBER: LD6D80BD010-EU6DR3070959040-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	33708.0	33708.0	33708.0	33708.0	33708.0
2.5°	33484.6	33461.4	33474.7	33491.2	33497.8
5°	32615.7	32584.3	32577.7	32645.5	32617.4
7.5°	30863.2	30818.5	30750.6	30904.5	31048.5
10°	27927.3	27877.6	27730.3	27803.2	27920.7
12.5°	23593.0	23432.4	23429.1	23660.8	23629.4
15°	17871.8	17656.7	17775.8	17717.9	17686.4
17.5°	12018.2	11935.5	12094.4	12046.4	11839.5
20°	8645.5	8667.0	8969.8	8817.6	8633.9
22.5°	6308.7	6386.5	6745.6	6353.4	6209.4
25°	4200.3	4359.1	4736.5	4248.3	4114.2
27.5°	2583.4	2656.2	3038.5	2550.3	2477.5
30°	1607.0	1570.5	1750.9	1502.7	1400.1
32.5°	1054.2	1007.9	1065.8	956.6	873.8
35°	705.0	719.9	675.2	670.3	566.0
37.5°	440.2	506.4	446.8	476.6	364.1
40°	284.7	367.4	316.1	349.2	268.1
42.5°	233.3	283.0	259.8	276.4	238.3
45°	185.4	230.0	230.0	230.0	187.0
47.5°	102.6	153.9	196.9	157.2	109.2
50°	57.9	77.8	152.3	81.1	61.2
52.5°	39.7	44.7	104.3	46.3	41.4
55°	29.8	31.4	56.3	33.1	31.4
57.5°	23.2	24.8	29.8	24.8	23.2
60°	18.2	18.2	21.5	19.9	18.2
62.5°	13.2	13.2	14.9	13.2	13.2
65°	9.9	9.9	9.9	9.9	9.9
67.5°	5.0	6.6	6.6	6.6	6.6
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)