

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: P772328

Luminaire Tested: LD6D80BD010-EU6DR6070959030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR6070959030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10177.3 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

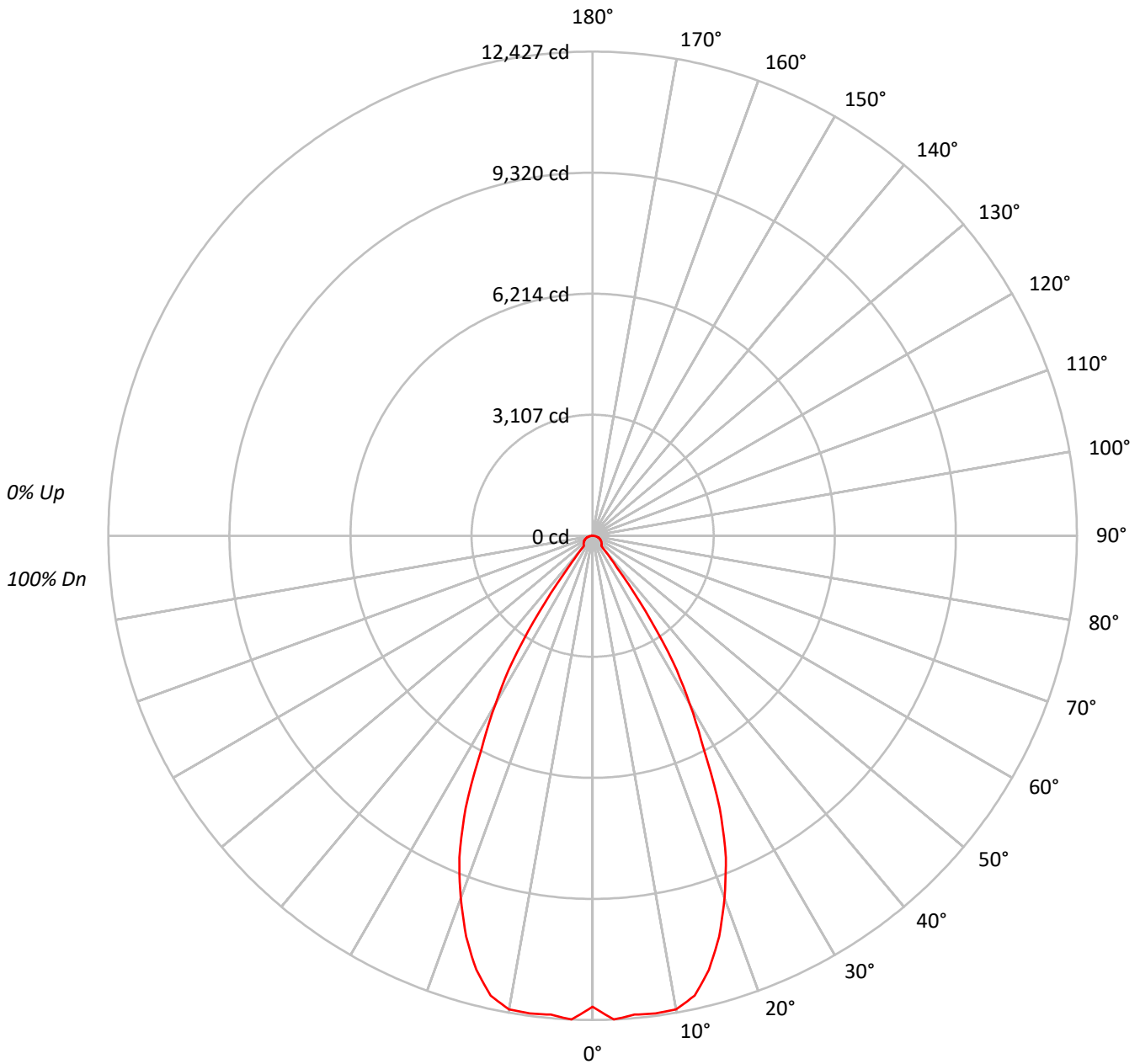
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P772328  
CATALOG NUMBER: LD6D80BD010-EU6DR6070959030-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P772328

CATALOG NUMBER: LD6D80BD010-EU6DR6070959030-6LBDP1LI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1320624
5°	1353099
10°	1369443
15°	1304579
20°	1150241
25°	930342
30°	629303
35°	315344
40°	51147
45°	50064
50°	51062
55°	51832
60°	53276
65°	54499
70°	55777
75°	56442
80°	54426
85°	45381

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 56442 cd/sqm



TEST NUMBER: P772328

CATALOG NUMBER: LD6D80BD010-EU6DR6070959030-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1179.1	11.6
10°-20°	3190.2	31.3
20°-30°	3432.3	33.7
30°-40°	1492.0	14.7
40°-50°	250.6	2.5
50°-60°	243.7	2.4
60°-70°	208.4	2.0
70°-80°	139.4	1.4
80°-90°	41.7	0.4
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°	7801.6	76.7
0°-40°	9293.5	91.3
0°-60°	9787.8	96.2
0°-90°	10177.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10177.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12087	
5°	12337	###
15°	11533	3190
25°	7717	3432
35°	2364	1492
45°	324	251
55°	272	244
65°	211	208
75°	134	139
85°	36	42
90°	0	



TEST NUMBER: P772328

CATALOG NUMBER: LD6D80BD010-EU6DR6070959030-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12086.9
2.5°	12426.7
5°	12337.0
7.5°	12365.3
10°	12343.3
12.5°	12088.5
15°	11533.2
17.5°	10787.6
20°	9892.6
22.5°	8934.6
25°	7717.1
27.5°	6172.4
30°	4988.0
32.5°	3844.4
35°	2364.2
37.5°	1011.4
40°	358.6
42.5°	330.3
45°	324.0
47.5°	313.0
50°	300.4
52.5°	286.3
55°	272.1
57.5°	258.0
60°	243.8
62.5°	228.1
65°	210.8
67.5°	193.5
70°	174.6
72.5°	154.2
75°	133.7
77.5°	110.1
80°	86.5
82.5°	61.3
85°	36.2
87.5°	12.6
90°	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





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

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)