

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: P772465

Luminaire Tested: LD6D80BD010-EU6DR7070959024-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR7070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

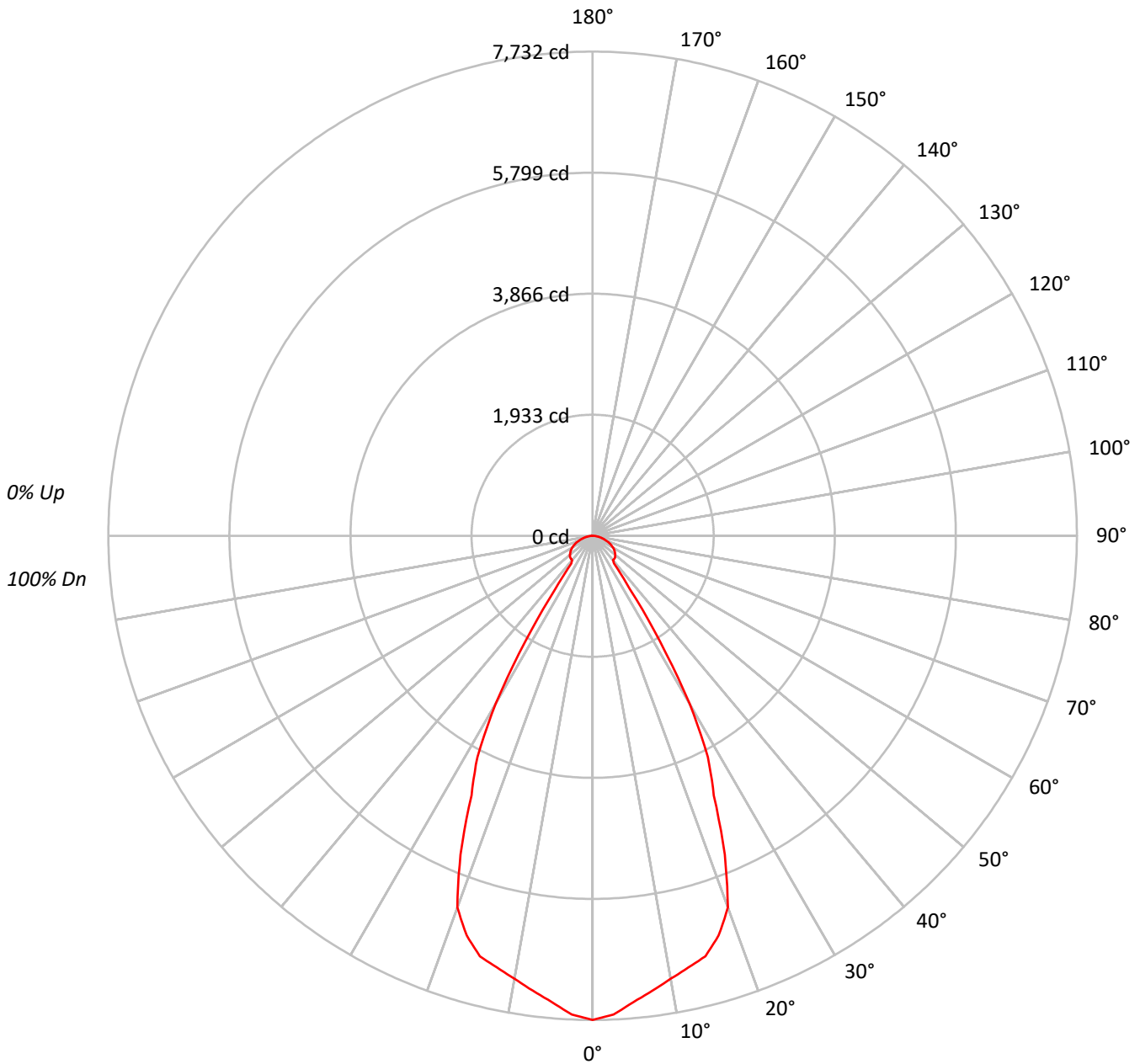
Lumens per Lamp: N/A  
Luminaire Lumens: 6877.6 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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: P772465  
CATALOG NUMBER: LD6D80BD010-EU6DR7070959024-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P772465

CATALOG NUMBER: LD6D80BD010-EU6DR7070959024-6LBSQW1MW

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	844848
5°	819745
10°	796894
15°	786432
20°	734368
25°	551700
30°	389996
35°	138145
40°	72641
45°	77367
50°	80111
55°	81625
60°	82120
65°	80404
70°	75871
75°	70288
80°	62417
85°	50647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 82154 cd/sqm



TEST NUMBER: P772465

CATALOG NUMBER: LD6D80BD010-EU6DR7070959024-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	705.0	10.3
10°-20°	1933.7	28.1
20°-30°	2129.7	31.0
30°-40°	813.7	11.8
40°-50°	384.2	5.6
50°-60°	382.0	5.6
60°-70°	305.8	4.4
70°-80°	175.8	2.6
80°-90°	47.8	0.7
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°	4768.3	69.3
0°-40°	5582.0	81.2
0°-60°	6348.2	92.3
0°-90°	6877.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6877.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7732	
5°	7474	705
15°	6952	1934
25°	4576	2130
35°	1036	814
45°	501	384
55°	428	382
65°	311	306
75°	166	176
85°	40	48
90°	0	



TEST NUMBER: P772465

CATALOG NUMBER: LD6D80BD010-EU6DR7070959024-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7732.4
2.5°	7651.6
5°	7474.1
7.5°	7325.9
10°	7182.7
12.5°	7061.5
15°	6952.5
17.5°	6689.3
20°	6315.9
22.5°	5510.4
25°	4576.3
27.5°	3983.7
30°	3091.2
32.5°	1996.8
35°	1035.7
37.5°	559.5
40°	509.3
42.5°	505.6
45°	500.7
47.5°	489.7
50°	471.3
52.5°	450.5
55°	428.5
57.5°	404.0
60°	375.8
62.5°	344.0
65°	311.0
67.5°	274.2
70°	237.5
72.5°	200.8
75°	166.5
77.5°	131.0
80°	99.2
82.5°	69.8
85°	40.4
87.5°	15.9
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)