

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: P774781

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBCSSQMMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

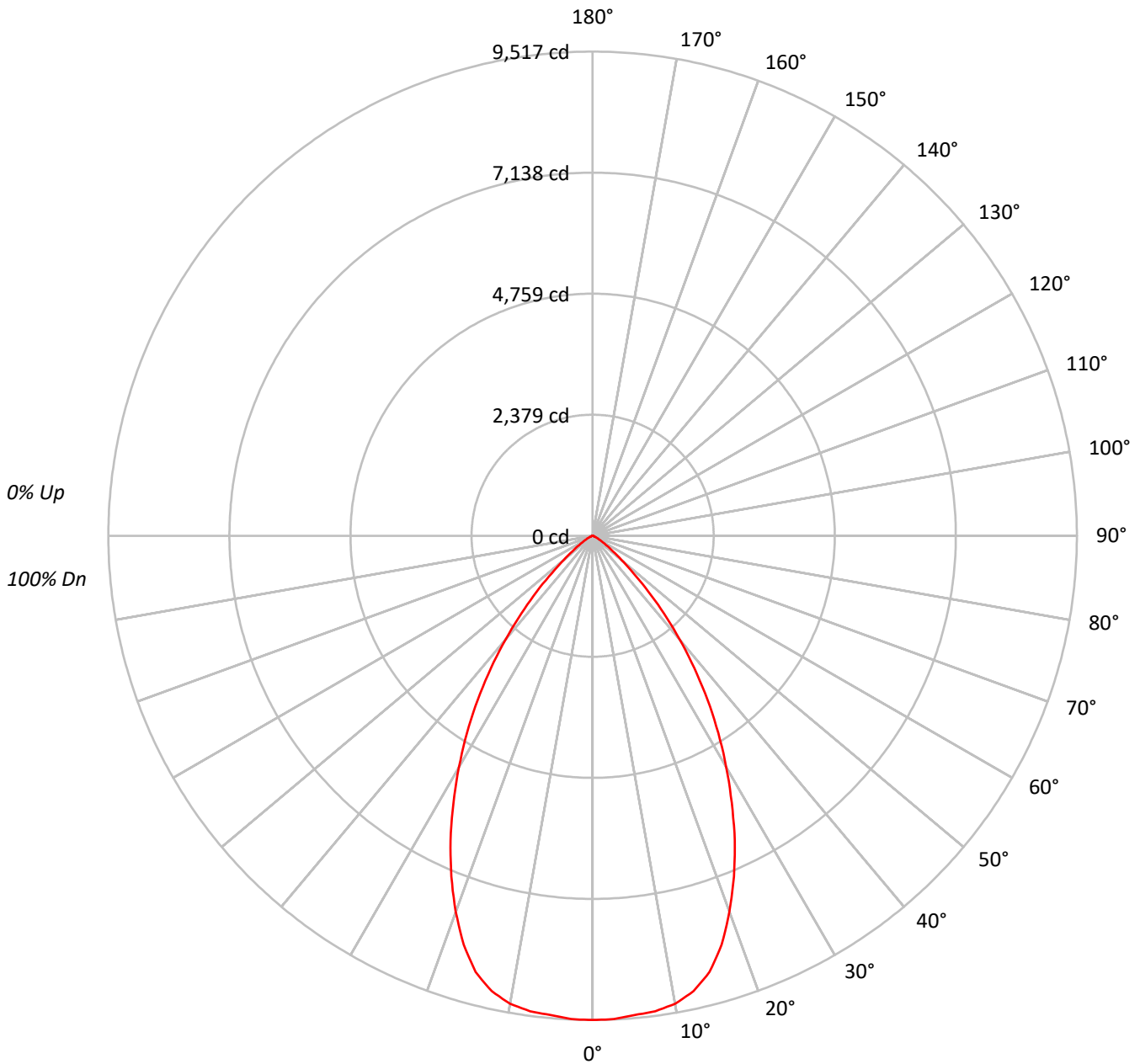
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10481.2 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 99.2  
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: P774781  
CATALOG NUMBER: LD6D95BD010-EU6DR6570959050-6LBCSSQMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P774781

CATALOG NUMBER: LD6D95BD010-EU6DR6570959050-6LBCSSQMMMS

**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	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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

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

	0°
0°	555806
5°	554406
10°	553931
15°	536855
20°	488739
25°	425907
30°	354237
35°	280679
40°	202580
45°	127982
50°	66710
55°	35455
60°	18619
65°	10240
70°	4303
75°	4739
80°	3296
85°	2814

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 127982 cd/sqm



TEST NUMBER: P774781

CATALOG NUMBER: LD6D95BD010-EU6DR6570959050-6LBCSSQMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	900.0	8.6
10°-20°	2464.5	23.5
20°-30°	3012.4	28.7
30°-40°	2444.2	23.3
40°-50°	1218.0	11.6
50°-60°	339.7	3.2
60°-70°	77.2	0.7
70°-80°	20.1	0.2
80°-90°	5.1	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°	6376.9	60.8
0°-40°	8821.0	84.2
0°-60°	10378.7	99.0
0°-90°	10481.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10481.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9517	
5°	9456	900
15°	8879	2464
25°	6609	3012
35°	3937	2444
45°	1550	1218
55°	348	340
65°	74	77
75°	21	20
85°	4	5
90°	0	



TEST NUMBER: P774781

CATALOG NUMBER: LD6D95BD010-EU6DR6570959050-6LBCSSQMMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9516.6
2.5°	9509.7
5°	9456.5
7.5°	9425.7
10°	9340.4
12.5°	9167.0
15°	8878.9
17.5°	8428.6
20°	7863.6
22.5°	7253.9
25°	6609.2
27.5°	5919.8
30°	5252.7
32.5°	4594.0
35°	3936.7
37.5°	3280.8
40°	2657.1
42.5°	2072.5
45°	1549.5
47.5°	1079.6
50°	734.2
52.5°	506.2
55°	348.2
57.5°	234.9
60°	159.4
62.5°	110.5
65°	74.1
67.5°	37.8
70°	25.2
72.5°	23.8
75°	21.0
77.5°	14.0
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
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)