

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: P774793

Luminaire Tested: LD6D95BD010-EU6DR7070959024-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR7070959024-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

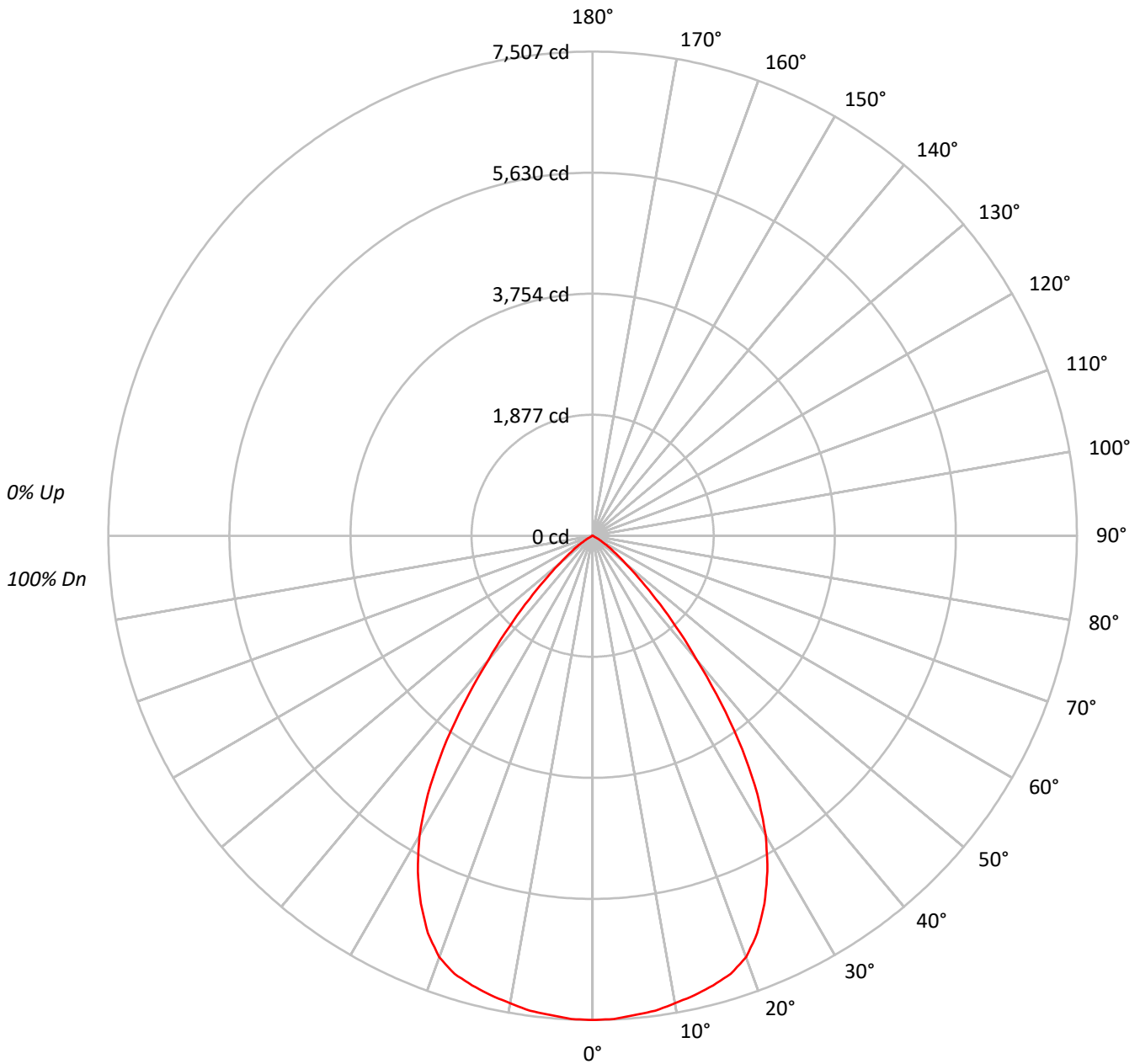
Lumens per Lamp: N/A  
Luminaire Lumens: 9511.7 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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: P774793  
CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P774793  
 CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBCSSQMB

**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	106	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	85	82	87	84	81	85	82	79	78				
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71				
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48				
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				

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

	0°
0°	820264
5°	818221
10°	816443
15°	816216
20°	808236
25°	759237
30°	676854
35°	539667
40°	358343
45°	214239
50°	111065
55°	58385
60°	20650
65°	362
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 214239 cd/sqm



TEST NUMBER: P774793

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	709.5	7.5
10°-20°	2034.7	21.4
20°-30°	2870.4	30.2
30°-40°	2477.9	26.1
40°-50°	1109.7	11.7
50°-60°	290.5	3.1
60°-70°	18.9	0.2
70°-80°	0.0	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°	5614.6	59.0
0°-40°	8092.6	85.1
0°-60°	9492.8	99.8
0°-90°	9511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9511.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7507	
5°	7460	709
15°	7216	2035
25°	6298	2870
35°	4046	2478
45°	1386	1110
55°	306	291
65°	1	19
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774793

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7507.4
2.5°	7499.3
5°	7460.2
7.5°	7427.8
10°	7358.9
12.5°	7296.8
15°	7215.8
17.5°	7122.7
20°	6951.2
22.5°	6669.1
25°	6297.8
27.5°	5867.1
30°	5364.9
32.5°	4750.7
35°	4046.0
37.5°	3268.4
40°	2512.4
42.5°	1908.9
45°	1386.5
47.5°	955.8
50°	653.4
52.5°	450.9
55°	306.5
57.5°	185.0
60°	94.5
62.5°	29.7
65°	1.4
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)