

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: P770790

Luminaire Tested: LD6D70BD010-EU6DR6070959040-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6070959040-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

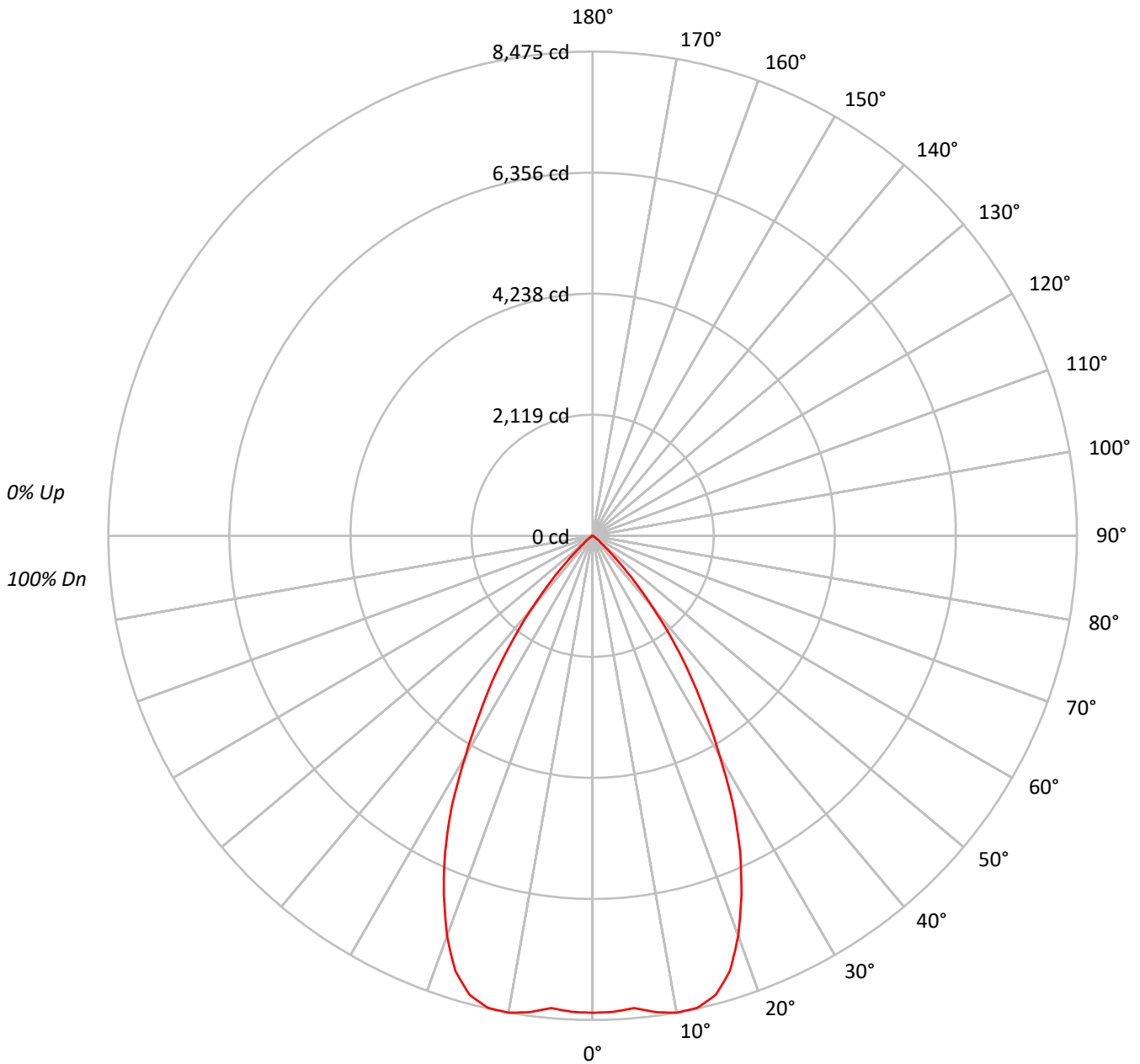
Lumens per Lamp: N/A
Luminaire Lumens: 8343.7 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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: P770790
CATALOG NUMBER: LD6D70BD010-EU6DR6070959040-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P770790

CATALOG NUMBER: LD6D70BD010-EU6DR6070959040-6LBCSSQMMS

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65																			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61																			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57																			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	912316
5°	910087
10°	940314
15°	941287
20°	866082
25°	736657
30°	561314
35°	396934
40°	233086
45°	94055
50°	31395
55°	15106
60°	6206
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 94055 cd/sqm



TEST NUMBER: P770790

CATALOG NUMBER: LD6D70BD010-EU6DR6070959040-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.5	9.6
10°-20°	2305.3	27.6
20°-30°	2759.2	33.1
30°-40°	1845.5	22.1
40°-50°	547.1	6.6
50°-60°	78.6	0.9
60°-70°	7.5	0.1
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°	5865.0	70.3
0°-40°	7710.4	92.4
0°-60°	8336.2	99.9
0°-90°	8343.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8343.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8350	
5°	8298	800
15°	8322	2305
25°	6110	2759
35°	2976	1845
45°	609	547
55°	79	79
65°	4	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770790

CATALOG NUMBER: LD6D70BD010-EU6DR6070959040-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	8349.9
2.5°	8339.2
5°	8297.8
7.5°	8410.3
10°	8475.4
12.5°	8463.6
15°	8321.5
17.5°	7986.3
20°	7448.7
22.5°	6803.3
25°	6110.5
27.5°	5330.1
30°	4449.1
32.5°	3662.8
35°	2975.9
37.5°	2287.9
40°	1634.2
42.5°	1077.6
45°	608.7
47.5°	311.4
50°	184.7
52.5°	119.6
55°	79.3
57.5°	50.9
60°	28.4
62.5°	11.8
65°	3.6
67.5°	1.2
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)