

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: P772402

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772402
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: LD6D80BD010-EU6DR6570959030-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

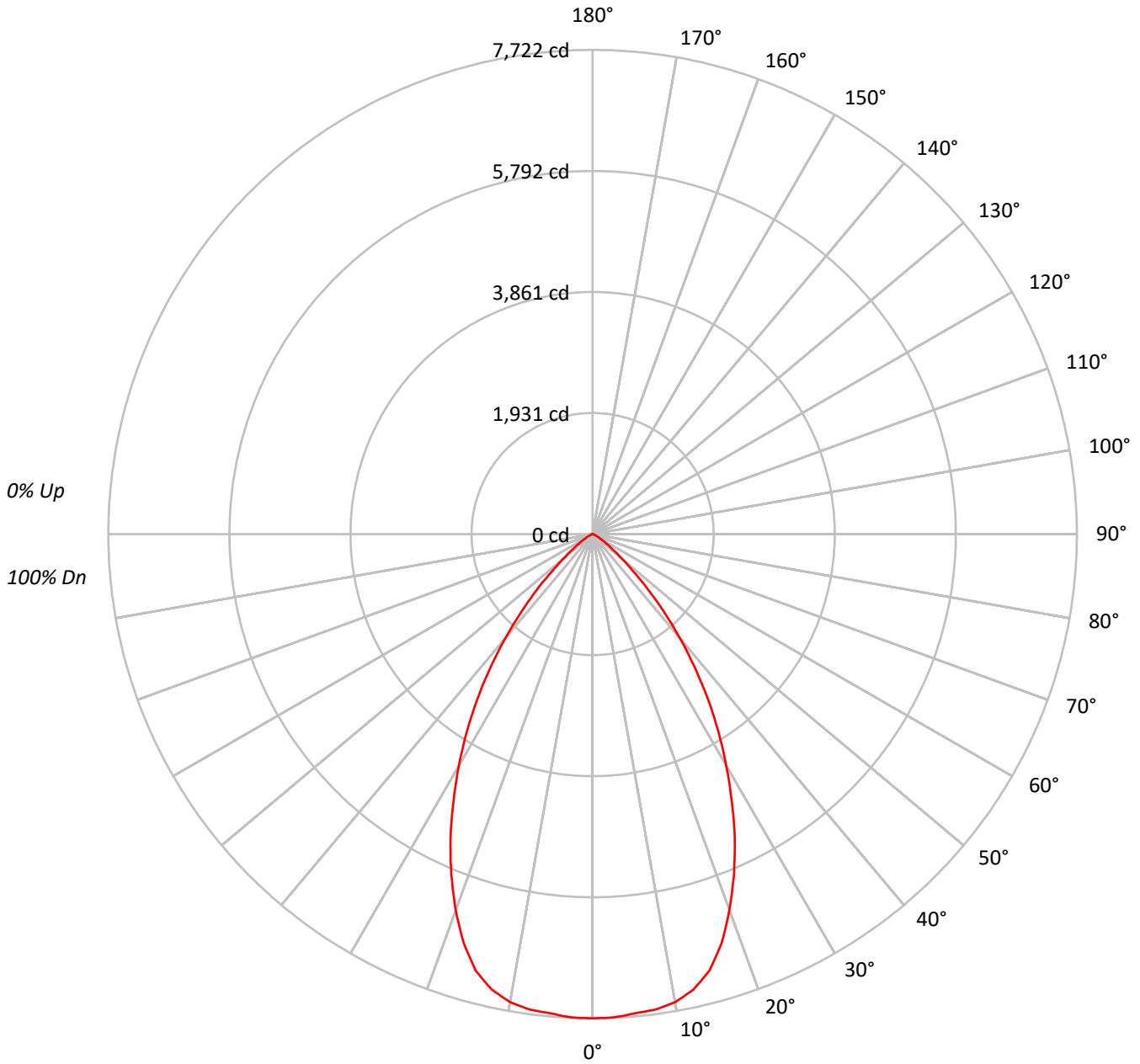
Lumens per Lamp: N/A
Luminaire Lumens: 8505.1 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P772402
CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P772402

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBCSSQMMS

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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	451018
5°	449880
10°	449495
15°	435644
20°	396599
25°	345606
30°	287452
35°	227761
40°	164390
45°	103856
50°	54135
55°	28775
60°	15115
65°	8306
70°	3484
75°	3836
80°	2657
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 103856 cd/sqm



TEST NUMBER: P772402

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.3	8.6
10°-20°	1999.8	23.5
20°-30°	2444.5	28.7
30°-40°	1983.4	23.3
40°-50°	988.4	11.6
50°-60°	275.7	3.2
60°-70°	62.6	0.7
70°-80°	16.3	0.2
80°-90°	4.2	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°	5174.6	60.8
0°-40°	7158.0	84.2
0°-60°	8422.0	99.0
0°-90°	8505.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8505.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7722	
5°	7674	730
15°	7205	2000
25°	5363	2444
35°	3194	1983
45°	1257	988
55°	283	276
65°	60	63
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P772402

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	7722.4
2.5°	7716.8
5°	7673.6
7.5°	7648.7
10°	7579.4
12.5°	7438.7
15°	7205.0
17.5°	6839.5
20°	6381.1
22.5°	5886.3
25°	5363.1
27.5°	4803.7
30°	4262.4
32.5°	3727.9
35°	3194.5
37.5°	2662.3
40°	2156.2
42.5°	1681.8
45°	1257.4
47.5°	876.1
50°	595.8
52.5°	410.8
55°	282.6
57.5°	190.6
60°	129.4
62.5°	89.7
65°	60.1
67.5°	30.6
70°	20.4
72.5°	19.3
75°	17.0
77.5°	11.3
80°	7.9
82.5°	5.7
85°	3.4
87.5°	2.3
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)