

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: P772375

Luminaire Tested: LD6D80BD010-EU6DR6570959024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772375
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-EU6DR6570959024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7287.9 lumens
Efficiency: N/A
Efficacy: 92.4 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

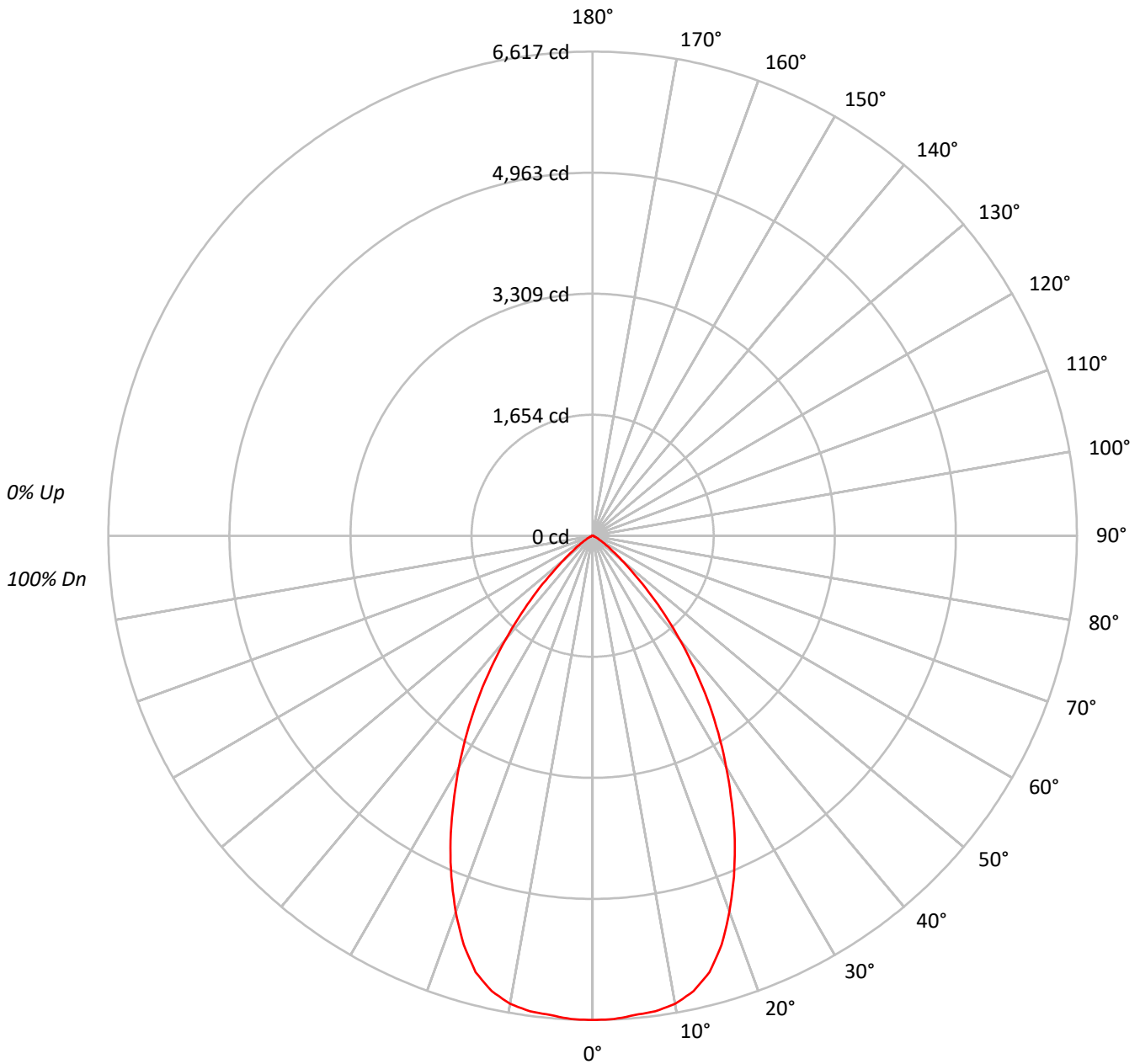
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P772375

CATALOG NUMBER: LD6D80BD010-EU6DR6570959024-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P772375
 CATALOG NUMBER: LD6D80BD010-EU6DR6570959024-6LBCSSQMB

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
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°	386476
5°	385502
10°	385167
15°	373293
20°	339841
25°	296148
30°	246314
35°	195164
40°	140863
45°	88988
50°	46384
55°	24652
60°	12954
65°	7117
70°	2988
75°	3295
80°	2287
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88988 cd/sqm



TEST NUMBER: P772375

CATALOG NUMBER: LD6D80BD010-EU6DR6570959024-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.8	8.6
10°-20°	1713.6	23.5
20°-30°	2094.6	28.7
30°-40°	1699.5	23.3
40°-50°	846.9	11.6
50°-60°	236.2	3.2
60°-70°	53.7	0.7
70°-80°	14.0	0.2
80°-90°	3.6	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°	4434.1	60.8
0°-40°	6133.6	84.2
0°-60°	7216.7	99.0
0°-90°	7287.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7287.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6617	
5°	6576	626
15°	6174	1714
25°	4596	2095
35°	2737	1700
45°	1077	847
55°	242	236
65°	52	54
75°	15	14
85°	3	4
90°	0	



TEST NUMBER: P772375

CATALOG NUMBER: LD6D80BD010-EU6DR6570959024-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6617.3
2.5°	6612.4
5°	6575.5
7.5°	6554.1
10°	6494.7
12.5°	6374.2
15°	6173.8
17.5°	5860.7
20°	5467.9
22.5°	5043.9
25°	4595.6
27.5°	4116.2
30°	3652.4
32.5°	3194.4
35°	2737.3
37.5°	2281.3
40°	1847.6
42.5°	1441.1
45°	1077.4
47.5°	750.7
50°	510.5
52.5°	352.0
55°	242.1
57.5°	163.4
60°	110.9
62.5°	76.8
65°	51.5
67.5°	26.3
70°	17.5
72.5°	16.5
75°	14.6
77.5°	9.7
80°	6.8
82.5°	4.9
85°	2.9
87.5°	1.9
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)