

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: P772948

Luminaire Tested: LD6D85BD010-EU6DR5070959030-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR5070959030-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10306.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

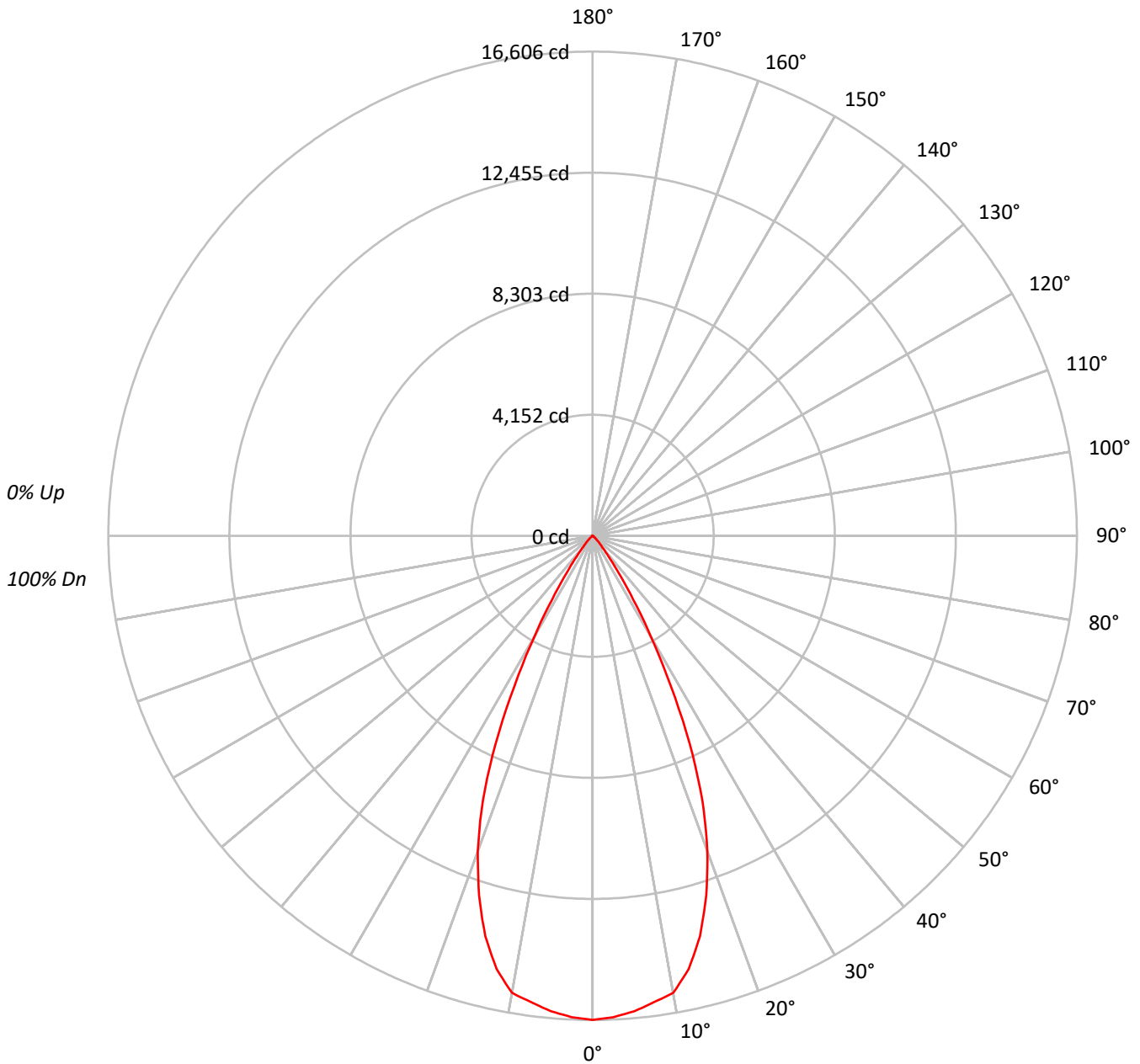
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P772948

CATALOG NUMBER: LD6D85BD010-EU6DR5070959030-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P772948
 CATALOG NUMBER: LD6D85BD010-EU6DR5070959030-6LBCSSQMMS

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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1814428
5°	1795409
10°	1765843
15°	1607942
20°	1337987
25°	949776
30°	502724
35°	204863
40°	76079
45°	34828
50°	14278
55°	7467
60°	3671
65°	1086
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34828 cd/sqm



TEST NUMBER: P772948

CATALOG NUMBER: LD6D85BD010-EU6DR5070959030-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1547.3	15.0
10°-20°	3910.3	37.9
20°-30°	3512.5	34.1
30°-40°	1099.8	10.7
40°-50°	192.6	1.9
50°-60°	38.4	0.4
60°-70°	5.8	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°	8970.1	87.0
0°-40°	10069.8	97.7
0°-60°	10300.8	99.9
0°-90°	10306.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10306.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16606	
5°	16370	###
15°	14215	3910
25°	7878	3512
35°	1536	1100
45°	225	193
55°	39	38
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P772948

CATALOG NUMBER: LD6D85BD010-EU6DR5070959030-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	16606.4
2.5°	16523.8
5°	16369.8
7.5°	16134.6
10°	15916.2
12.5°	15216.2
15°	14215.1
17.5°	12943.8
20°	11507.3
22.5°	9845.4
25°	7878.3
27.5°	5792.2
30°	3984.7
32.5°	2594.4
35°	1535.9
37.5°	882.1
40°	533.4
42.5°	347.2
45°	225.4
47.5°	137.2
50°	84.0
52.5°	57.4
55°	39.2
57.5°	26.6
60°	16.8
62.5°	9.8
65°	4.2
67.5°	1.4
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)