

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P754326

Luminaire Tested: LD4D80BD010-EU4DR6570959027-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754326
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: LD4D80BD010-EU4DR6570959027-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6621.9 lumens
Efficiency: N/A
Efficacy: 83.9 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

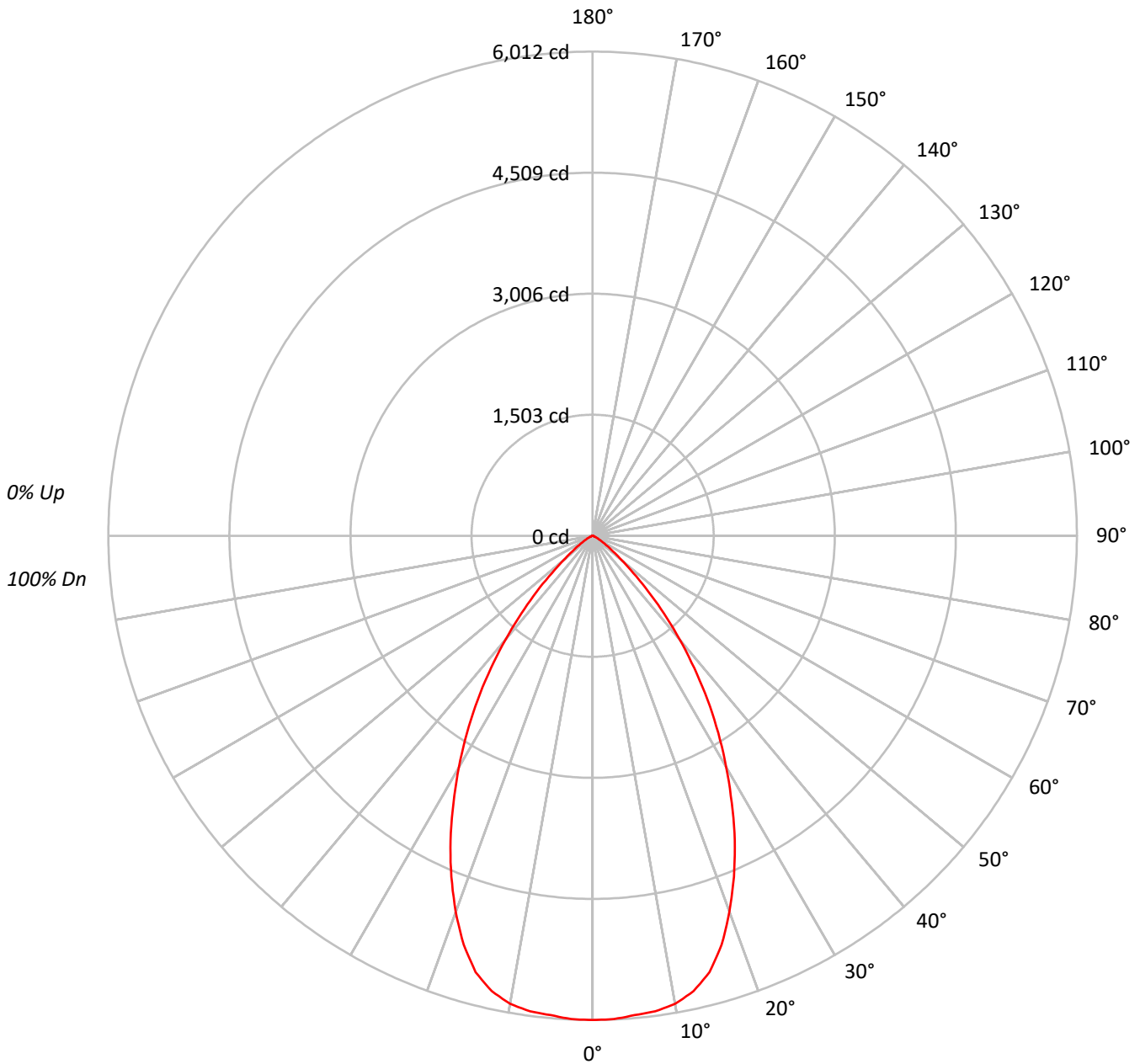
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P754326

CATALOG NUMBER: LD4D80BD010-EU4DR6570959027-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P754326

CATALOG NUMBER: LD4D80BD010-EU4DR6570959027-4LBCSSQMW

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	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°	351147
5°	350267
10°	349964
15°	339180
20°	308778
25°	269082
30°	223803
35°	177325
40°	127985
45°	80861
50°	42150
55°	22401
60°	11763
65°	6468
70°	2715
75°	3001
80°	2085
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80861 cd/sqm



TEST NUMBER: P754326

CATALOG NUMBER: LD4D80BD010-EU4DR6570959027-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.6	8.6
10°-20°	1557.0	23.5
20°-30°	1903.2	28.7
30°-40°	1544.2	23.3
40°-50°	769.5	11.6
50°-60°	214.6	3.2
60°-70°	48.8	0.7
70°-80°	12.7	0.2
80°-90°	3.3	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°	4028.8	60.8
0°-40°	5573.0	84.2
0°-60°	6557.1	99.0
0°-90°	6621.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6621.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6012	
5°	5974	569
15°	5610	1557
25°	4176	1903
35°	2487	1544
45°	979	770
55°	220	215
65°	47	49
75°	13	13
85°	3	3
90°	0	



TEST NUMBER: P754326

CATALOG NUMBER: LD4D80BD010-EU4DR6570959027-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6012.4
2.5°	6008.0
5°	5974.5
7.5°	5955.0
10°	5901.1
12.5°	5791.6
15°	5609.6
17.5°	5325.1
20°	4968.1
22.5°	4582.9
25°	4175.6
27.5°	3740.0
30°	3318.6
32.5°	2902.4
35°	2487.1
37.5°	2072.8
40°	1678.7
42.5°	1309.4
45°	979.0
47.5°	682.1
50°	463.9
52.5°	319.8
55°	220.0
57.5°	148.4
60°	100.7
62.5°	69.8
65°	46.8
67.5°	23.9
70°	15.9
72.5°	15.0
75°	13.3
77.5°	8.8
80°	6.2
82.5°	4.4
85°	2.7
87.5°	1.8
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)