

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: P756754

Luminaire Tested: LD4D95BD010-EU4DR7070959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

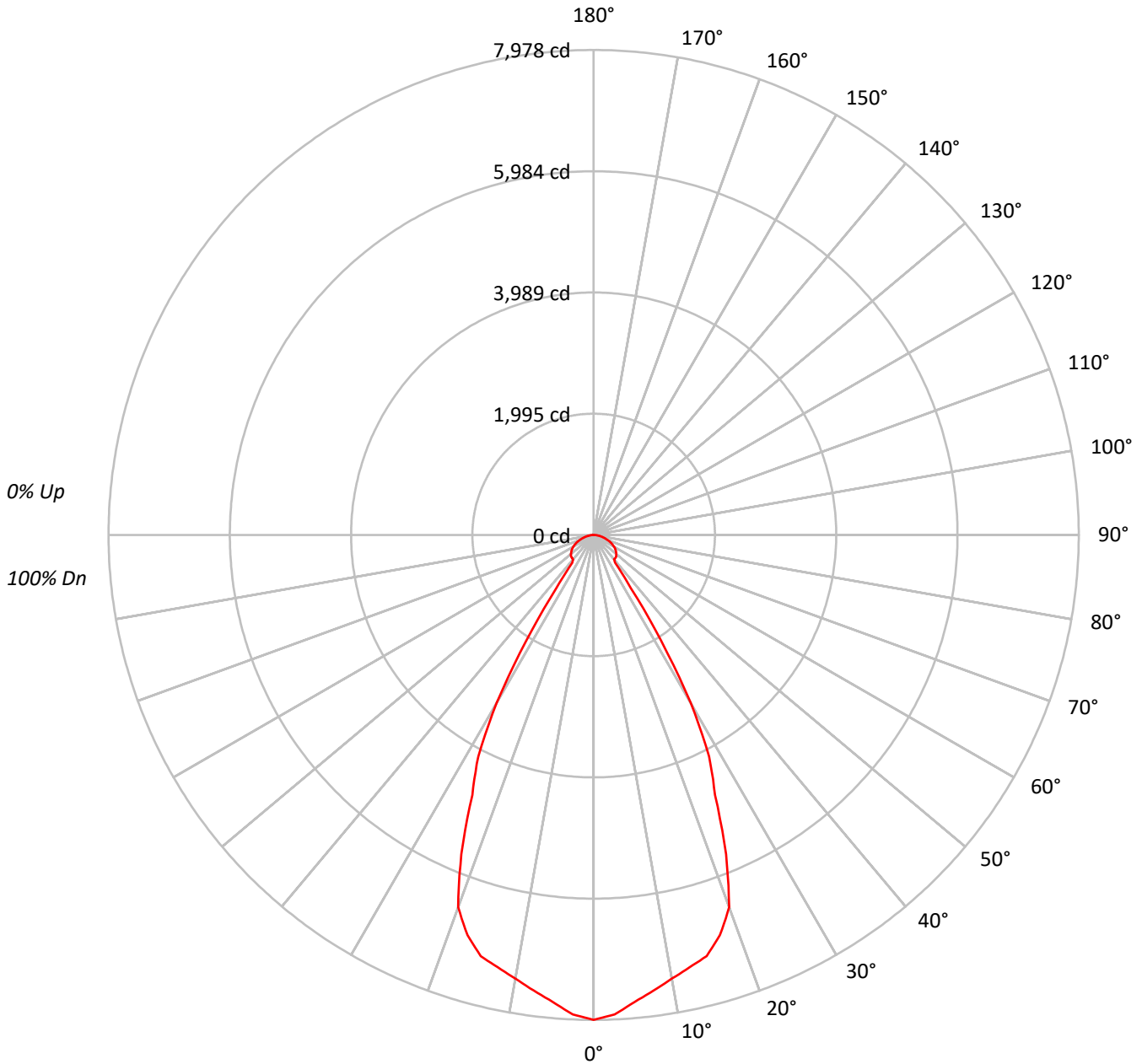
Lumens per Lamp: N/A
Luminaire Lumens: 7096.1 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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: P756754
CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P756754

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBSQW1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	871693
5°	845794
10°	822212
15°	811431
20°	757704
25°	569229
30°	402398
35°	142533
40°	74952
45°	79824
50°	82661
55°	84216
60°	84743
65°	82937
70°	78299
75°	72526
80°	64368
85°	52276

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 84757 cd/sqm



TEST NUMBER: P756754

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.4	10.3
10°-20°	1995.1	28.1
20°-30°	2197.4	31.0
30°-40°	839.6	11.8
40°-50°	396.4	5.6
50°-60°	394.1	5.6
60°-70°	315.5	4.4
70°-80°	181.4	2.6
80°-90°	49.3	0.7
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°	4919.9	69.3
0°-40°	5759.4	81.2
0°-60°	6549.9	92.3
0°-90°	7096.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7096.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7978	
5°	7712	727
15°	7174	1995
25°	4722	2197
35°	1069	840
45°	517	396
55°	442	394
65°	321	316
75°	172	181
85°	42	49
90°	0	



TEST NUMBER: P756754

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7978.1
2.5°	7894.7
5°	7711.6
7.5°	7558.7
10°	7410.9
12.5°	7285.9
15°	7173.5
17.5°	6901.9
20°	6516.6
22.5°	5685.5
25°	4721.7
27.5°	4110.3
30°	3189.5
32.5°	2060.2
35°	1068.6
37.5°	577.3
40°	525.5
42.5°	521.7
45°	516.6
47.5°	505.3
50°	486.3
52.5°	464.8
55°	442.1
57.5°	416.8
60°	387.8
62.5°	354.9
65°	320.8
67.5°	282.9
70°	245.1
72.5°	207.2
75°	171.8
77.5°	135.2
80°	102.3
82.5°	72.0
85°	41.7
87.5°	16.4
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)