

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: P753633

Luminaire Tested: LD4D75BD010-EU4DR7070959027-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753633  
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: LD4D75BD010-EU4DR7070959027-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

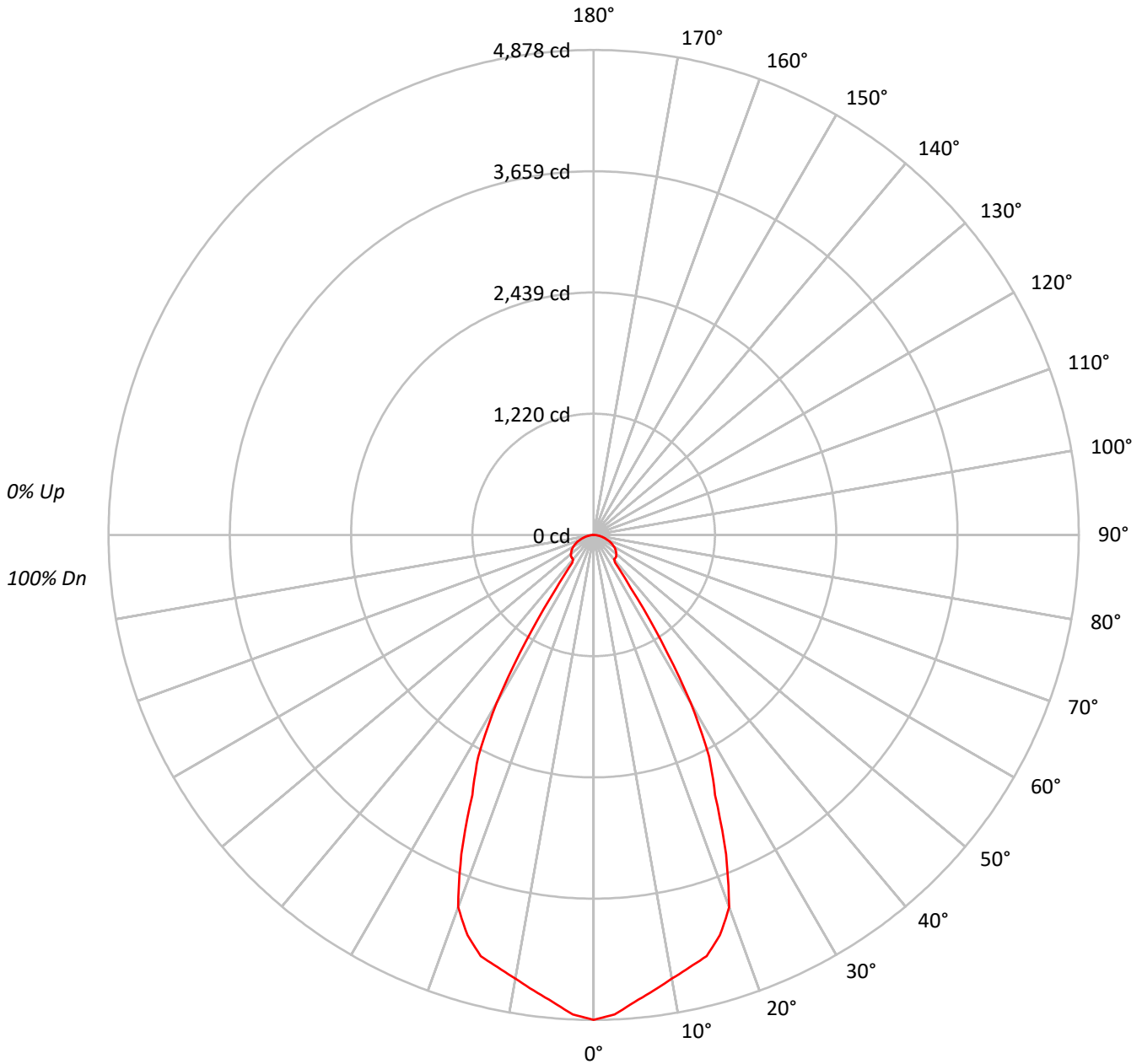
Lumens per Lamp: N/A  
Luminaire Lumens: 4338.9 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.4  
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: P753633  
CATALOG NUMBER: LD4D75BD010-EU4DR7070959027-4LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P753633

CATALOG NUMBER: LD4D75BD010-EU4DR7070959027-4LBSQW1B

**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°	532996
5°	517154
10°	502742
15°	496145
20°	463301
25°	348057
30°	246044
35°	87152
40°	45827
45°	48812
50°	50552
55°	51490
60°	51811
65°	50724
70°	47855
75°	44326
80°	39388
85°	31967

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 51834 cd/sqm



TEST NUMBER: P753633

CATALOG NUMBER: LD4D75BD010-EU4DR7070959027-4LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.7	10.3
10°-20°	1219.9	28.1
20°-30°	1343.6	31.0
30°-40°	513.3	11.8
40°-50°	242.4	5.6
50°-60°	241.0	5.6
60°-70°	192.9	4.4
70°-80°	110.9	2.6
80°-90°	30.1	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°	3008.2	69.3
0°-40°	3521.6	81.2
0°-60°	4004.9	92.3
0°-90°	4338.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4338.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4878	
5°	4715	445
15°	4386	1220
25°	2887	1344
35°	653	513
45°	316	242
55°	270	241
65°	196	193
75°	105	111
85°	26	30
90°	0	



TEST NUMBER: P753633

CATALOG NUMBER: LD4D75BD010-EU4DR7070959027-4LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4878.2
2.5°	4827.2
5°	4715.2
7.5°	4621.8
10°	4531.4
12.5°	4454.9
15°	4386.2
17.5°	4220.1
20°	3984.6
22.5°	3476.4
25°	2887.1
27.5°	2513.2
30°	1950.2
32.5°	1259.7
35°	653.4
37.5°	353.0
40°	321.3
42.5°	319.0
45°	315.9
47.5°	308.9
50°	297.4
52.5°	284.2
55°	270.3
57.5°	254.9
60°	237.1
62.5°	217.0
65°	196.2
67.5°	173.0
70°	149.8
72.5°	126.7
75°	105.0
77.5°	82.6
80°	62.6
82.5°	44.0
85°	25.5
87.5°	10.0
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)