

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: P753647

Luminaire Tested: LD4D75BD010-EU4DR7070959030-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753647  
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-EU4DR7070959030-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

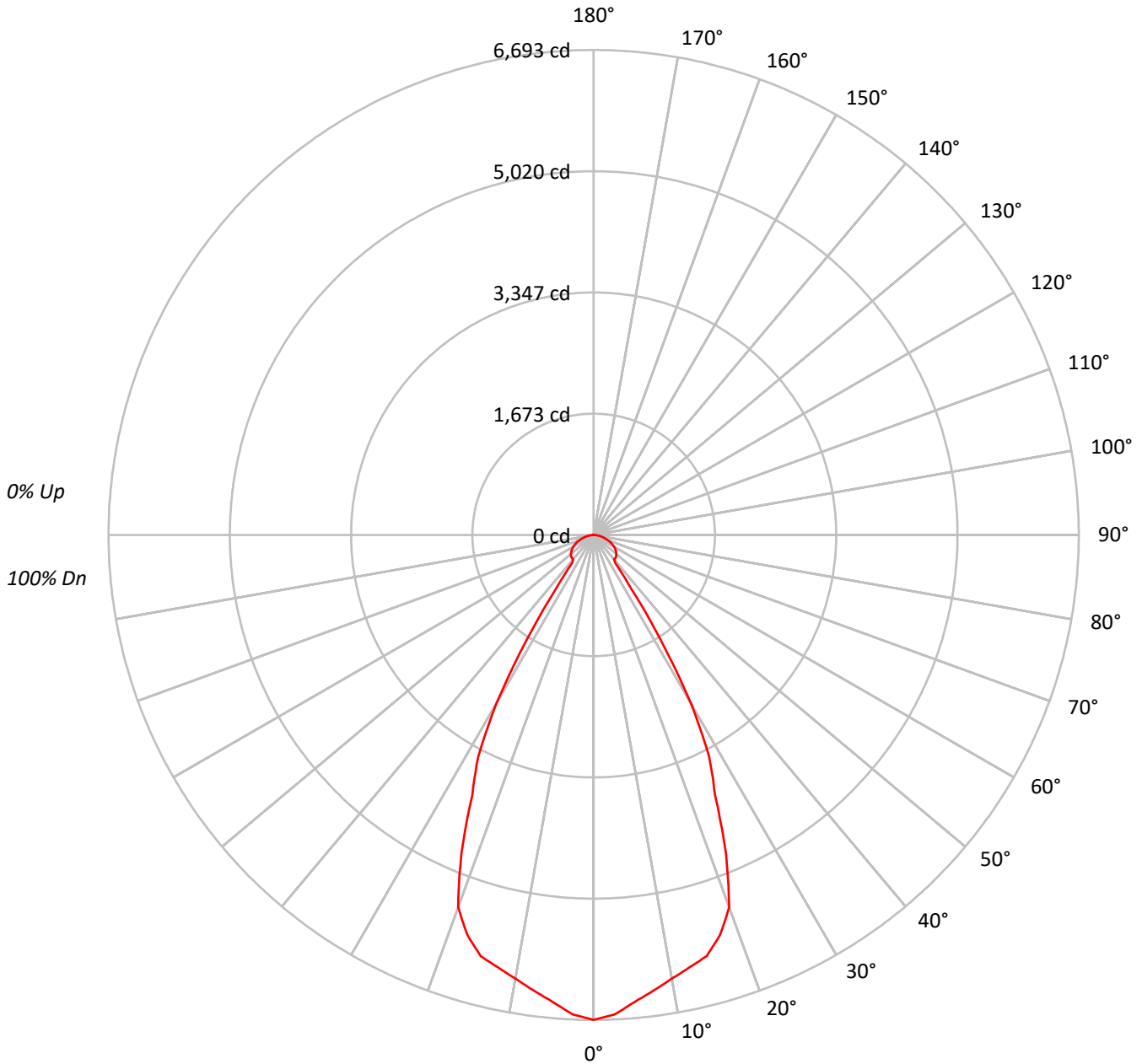
Lumens per Lamp: N/A  
Luminaire Lumens: 5953.3 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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: P753647  
CATALOG NUMBER: LD4D75BD010-EU4DR7070959030-4LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P753647

CATALOG NUMBER: LD4D75BD010-EU4DR7070959030-4LBSQW1MW

**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°	731315
5°	709584
10°	689797
15°	680749
20°	635687
25°	477558
30°	337588
35°	119578
40°	62871
45°	66968
50°	69352
55°	70653
60°	71085
65°	69597
70°	65680
75°	60832
80°	53986
85°	43877

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 71112 cd/sqm



TEST NUMBER: P753647

CATALOG NUMBER: LD4D75BD010-EU4DR7070959030-4LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.2	10.3
10°-20°	1673.8	28.1
20°-30°	1843.5	31.0
30°-40°	704.3	11.8
40°-50°	332.6	5.6
50°-60°	330.6	5.6
60°-70°	264.7	4.4
70°-80°	152.1	2.6
80°-90°	41.4	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°	4127.6	69.3
0°-40°	4831.9	81.2
0°-60°	5495.1	92.3
0°-90°	5953.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5953.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6693	
5°	6470	610
15°	6018	1674
25°	3961	1844
35°	896	704
45°	433	333
55°	371	331
65°	269	265
75°	144	152
85°	35	41
90°	0	



TEST NUMBER: P753647

CATALOG NUMBER: LD4D75BD010-EU4DR7070959030-4LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6693.3
2.5°	6623.3
5°	6469.7
7.5°	6341.4
10°	6217.4
12.5°	6112.5
15°	6018.2
17.5°	5790.4
20°	5467.2
22.5°	4769.9
25°	3961.3
27.5°	3448.4
30°	2675.8
32.5°	1728.4
35°	896.5
37.5°	484.3
40°	440.8
42.5°	437.7
45°	433.4
47.5°	423.9
50°	408.0
52.5°	390.0
55°	370.9
57.5°	349.7
60°	325.3
62.5°	297.8
65°	269.2
67.5°	237.4
70°	205.6
72.5°	173.8
75°	144.1
77.5°	113.4
80°	85.8
82.5°	60.4
85°	35.0
87.5°	13.8
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)