

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: P753245

Luminaire Tested: LD4D75BD010-EU4DR4570959030-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D75BD010-EU4DR4570959030-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

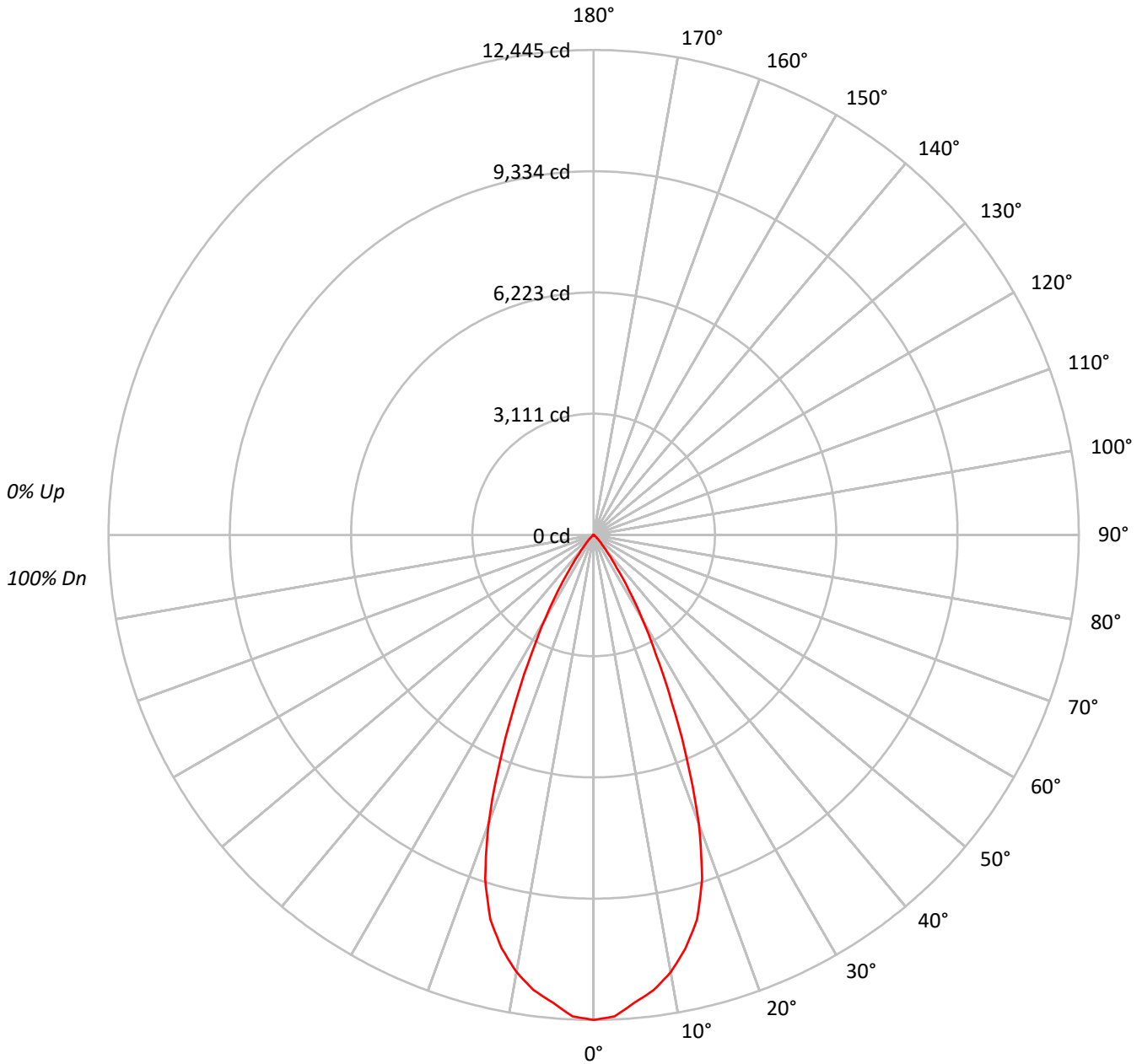
Lumens per Lamp: N/A  
Luminaire Lumens: 7041.1 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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: P753245  
CATALOG NUMBER: LD4D75BD010-EU4DR4570959030-4LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P753245

CATALOG NUMBER: LD4D75BD010-EU4DR4570959030-4LBCSSQMB

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77		
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73		
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69		
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66		
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63		
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1359794
5°	1321073
10°	1263911
15°	1156749
20°	917707
25°	572930
30°	315787
35°	141799
40°	55840
45°	26314
50°	12476
55°	6534
60°	3212
65°	750
70°	319
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26314 cd/sqm



TEST NUMBER: P753245

CATALOG NUMBER: LD4D75BD010-EU4DR4570959030-4LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1131.7	16.1
10°-20°	2785.4	39.6
20°-30°	2205.7	31.3
30°-40°	734.5	10.4
40°-50°	145.8	2.1
50°-60°	33.1	0.5
60°-70°	4.8	0.1
70°-80°	0.1	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°	6122.8	87.0
0°-40°	6857.4	97.4
0°-60°	7036.2	99.9
0°-90°	7041.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7041.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12445	
5°	12045	###
15°	10226	2785
25°	4752	2206
35°	1063	735
45°	170	146
55°	34	33
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753245

CATALOG NUMBER: LD4D75BD010-EU4DR4570959030-4LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12445.4
2.5°	12364.2
5°	12045.0
7.5°	11781.7
10°	11392.1
12.5°	10873.3
15°	10226.3
17.5°	9253.3
20°	7892.7
22.5°	6271.6
25°	4752.4
27.5°	3479.9
30°	2503.0
32.5°	1702.3
35°	1063.1
37.5°	630.4
40°	391.5
42.5°	257.4
45°	170.3
47.5°	109.6
50°	73.4
52.5°	48.9
55°	34.3
57.5°	22.5
60°	14.7
62.5°	7.8
65°	2.9
67.5°	1.0
70°	1.0
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)