

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: P753362

Luminaire Tested: LD4D75BD010-EU4DR5070959050-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5070959050-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

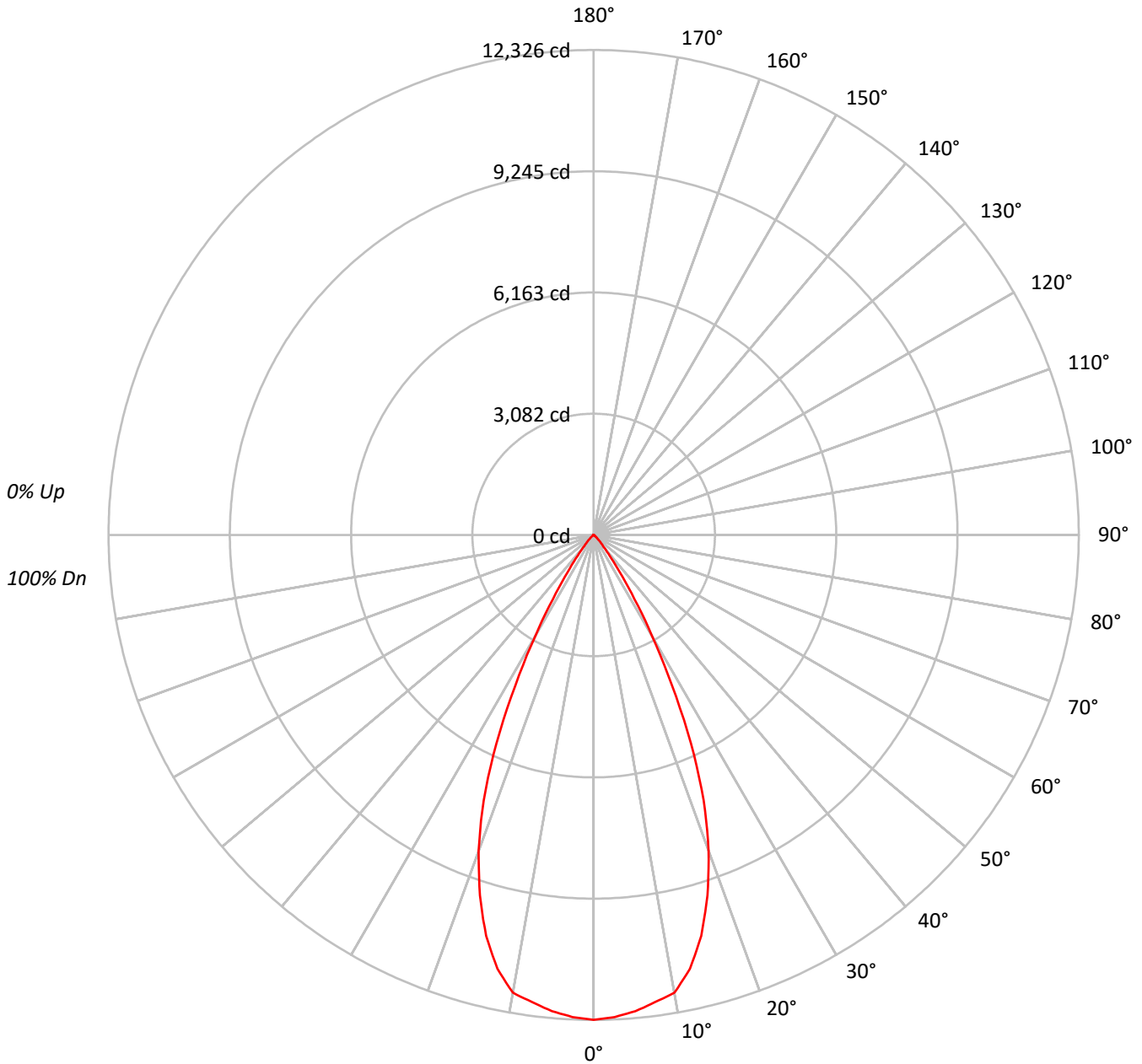
Lumens per Lamp: N/A
Luminaire Lumens: 7650.2 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P753362
CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P753362
 CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBCSSQMB

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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80				
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76				
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72				
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65				
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62				
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1346792
5°	1332677
10°	1310719
15°	1193522
20°	993145
25°	704987
30°	373154
35°	152056
40°	56467
45°	25851
50°	10607
55°	5543
60°	2732
65°	801
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25851 cd/sqm



TEST NUMBER: P753362

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1148.5	15.0
10°-20°	2902.5	37.9
20°-30°	2607.2	34.1
30°-40°	816.3	10.7
40°-50°	142.9	1.9
50°-60°	28.5	0.4
60°-70°	4.3	0.1
70°-80°	0.0	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°	6658.2	87.0
0°-40°	7474.5	97.7
0°-60°	7645.9	99.9
0°-90°	7650.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7650.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12326	
5°	12151	###
15°	10551	2902
25°	5848	2607
35°	1140	816
45°	167	143
55°	29	28
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753362

CATALOG NUMBER: LD4D75BD010-EU4DR5070959050-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	12326.4
2.5°	12265.1
5°	12150.8
7.5°	11976.2
10°	11814.0
12.5°	11294.4
15°	10551.4
17.5°	9607.7
20°	8541.5
22.5°	7307.9
25°	5847.8
27.5°	4299.3
30°	2957.7
32.5°	1925.7
35°	1140.0
37.5°	654.7
40°	395.9
42.5°	257.7
45°	167.3
47.5°	101.8
50°	62.4
52.5°	42.6
55°	29.1
57.5°	19.7
60°	12.5
62.5°	7.3
65°	3.1
67.5°	1.0
70°	0.0
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)