

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P753505

Luminaire Tested: LD4D75BD010-EU4DR6070959040-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959040-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

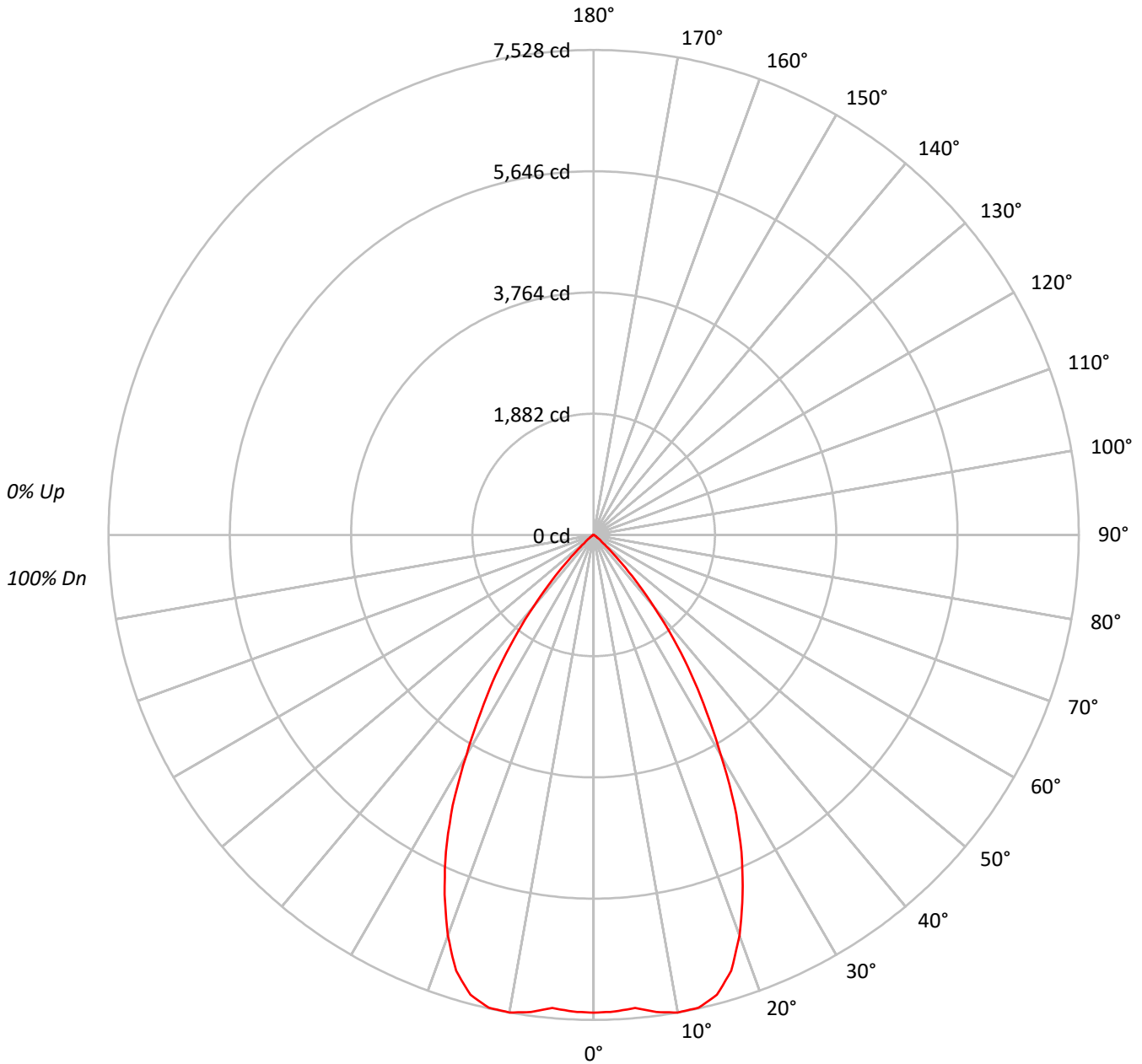
Lumens per Lamp: N/A
Luminaire Lumens: 7410.7 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P753505
CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P753505
 CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBCSSQMB

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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87				
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75				
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70				
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65				
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61				
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57				
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53				
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	810300
5°	808317
10°	835170
15°	836022
20°	769238
25°	654281
30°	498547
35°	352557
40°	207027
45°	83532
50°	27894
55°	13430
60°	5507
65°	827
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83532 cd/sqm



TEST NUMBER: P753505
 CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.9	9.6
10°-20°	2047.5	27.6
20°-30°	2450.6	33.1
30°-40°	1639.1	22.1
40°-50°	486.0	6.6
50°-60°	69.9	0.9
60°-70°	6.7	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°	5209.1	70.3
0°-40°	6848.2	92.4
0°-60°	7404.1	99.9
0°-90°	7410.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7410.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7416	
5°	7370	711
15°	7391	2048
25°	5427	2451
35°	2643	1639
45°	541	486
55°	70	70
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753505

CATALOG NUMBER: LD4D75BD010-EU4DR6070959040-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7416.2
2.5°	7406.7
5°	7369.9
7.5°	7469.8
10°	7527.7
12.5°	7517.1
15°	7390.9
17.5°	7093.3
20°	6615.8
22.5°	6042.5
25°	5427.2
27.5°	4734.1
30°	3951.6
32.5°	3253.2
35°	2643.2
37.5°	2032.1
40°	1451.5
42.5°	957.1
45°	540.6
47.5°	276.6
50°	164.1
52.5°	106.2
55°	70.5
57.5°	45.2
60°	25.2
62.5°	10.5
65°	3.2
67.5°	1.1
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)