

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: P743766

Luminaire Tested: LD4D15D010-EU4DR700215IC9040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743766
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: LD4D15D010-EU4DR700215IC9040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.3 lumens
Efficiency: N/A
Efficacy: 57.5 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): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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

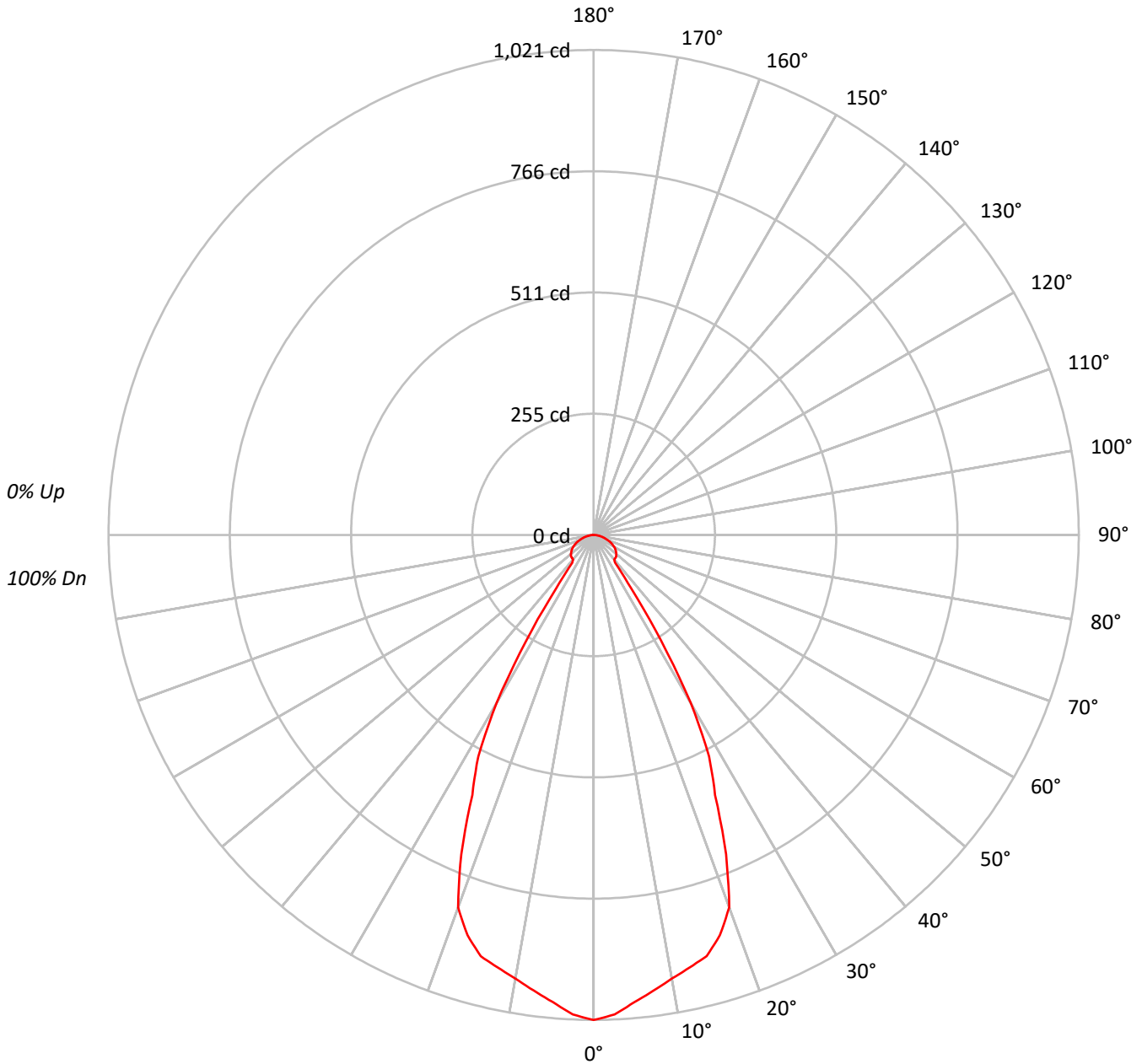


Downlight



TEST NUMBER: P743766
CATALOG NUMBER: LD4D15D010-EU4DR700215IC9040-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P743766

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9040-4LBSQW1B

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	88	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°	111577
5°	108263
10°	105244
15°	103874
20°	96995
25°	72864
30°	51513
35°	18247
40°	9599
45°	10214
50°	10590
55°	10782
60°	10839
65°	10626
70°	9999
75°	9287
80°	8243
85°	6644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 10839 cd/sqm



TEST NUMBER: P743766

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9040-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	10.3
10°-20°	255.4	28.1
20°-30°	281.3	31.0
30°-40°	107.5	11.8
40°-50°	50.8	5.6
50°-60°	50.4	5.6
60°-70°	40.4	4.4
70°-80°	23.2	2.6
80°-90°	6.3	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°	629.8	69.3
0°-40°	737.2	81.2
0°-60°	838.4	92.3
0°-90°	908.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1021	
5°	987	93
15°	918	255
25°	604	281
35°	137	107
45°	66	51
55°	57	50
65°	41	40
75°	22	23
85°	5	6
90°	0	



TEST NUMBER: P743766
CATALOG NUMBER: LD4D15D010-EU4DR700215IC9040-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1021.2
2.5°	1010.6
5°	987.1
7.5°	967.5
10°	948.6
12.5°	932.6
15°	918.3
17.5°	883.5
20°	834.2
22.5°	727.8
25°	604.4
27.5°	526.1
30°	408.3
32.5°	263.7
35°	136.8
37.5°	73.9
40°	67.3
42.5°	66.8
45°	66.1
47.5°	64.7
50°	62.3
52.5°	59.5
55°	56.6
57.5°	53.3
60°	49.6
62.5°	45.4
65°	41.1
67.5°	36.2
70°	31.3
72.5°	26.5
75°	22.0
77.5°	17.3
80°	13.1
82.5°	9.2
85°	5.3
87.5°	2.1
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)