

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: P743719

Luminaire Tested: LD4D15D010-EU4DR700215IC9024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743719
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-EU4DR700215IC9024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 972.8 lumens
Efficiency: N/A
Efficacy: 61.6 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 (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



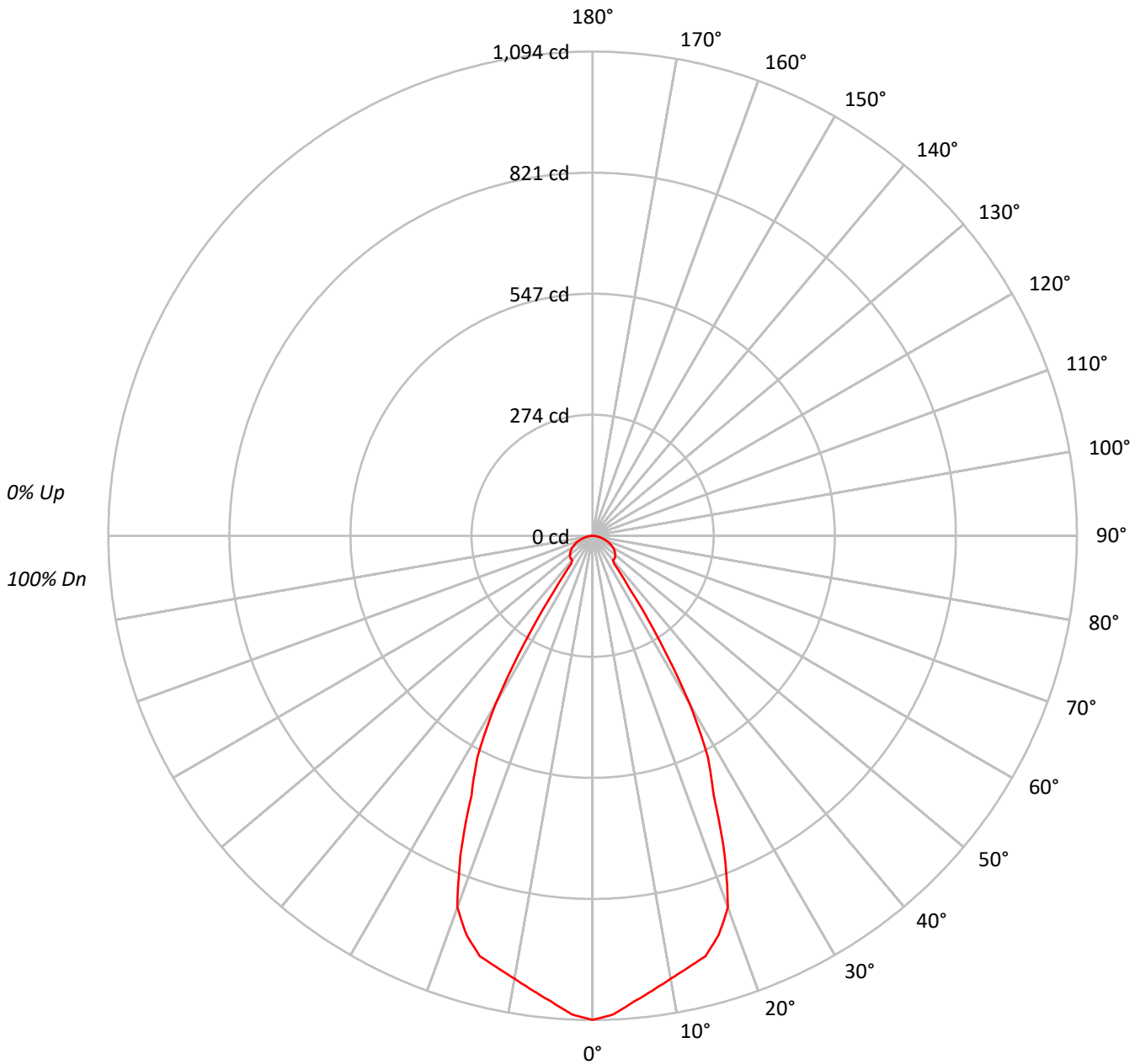
Downlight



TEST NUMBER: P743719

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9024-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P743719

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9024-4LBSQW1MW

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	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°	119509
5°	115963
10°	112721
15°	111249
20°	103878
25°	78036
30°	55171
35°	19541
40°	10269
45°	10940
50°	11338
55°	11544
60°	11625
65°	11375
70°	10734
75°	9921
80°	8809
85°	7146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 11625 cd/sqm



TEST NUMBER: P743719

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9024-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	10.3
10°-20°	273.5	28.1
20°-30°	301.3	31.0
30°-40°	115.1	11.8
40°-50°	54.3	5.6
50°-60°	54.0	5.6
60°-70°	43.3	4.4
70°-80°	24.8	2.6
80°-90°	6.7	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°	674.5	69.3
0°-40°	789.6	81.2
0°-60°	898.0	92.3
0°-90°	972.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1094	
5°	1057	100
15°	984	274
25°	647	301
35°	146	115
45°	71	54
55°	61	54
65°	44	43
75°	24	25
85°	6	7
90°	0	



TEST NUMBER: P743719

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9024-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1093.8
2.5°	1082.4
5°	1057.3
7.5°	1036.3
10°	1016.0
12.5°	998.9
15°	983.5
17.5°	946.2
20°	893.4
22.5°	779.5
25°	647.3
27.5°	563.5
30°	437.3
32.5°	282.5
35°	146.5
37.5°	79.1
40°	72.0
42.5°	71.5
45°	70.8
47.5°	69.3
50°	66.7
52.5°	63.7
55°	60.6
57.5°	57.1
60°	53.2
62.5°	48.6
65°	44.0
67.5°	38.8
70°	33.6
72.5°	28.4
75°	23.5
77.5°	18.5
80°	14.0
82.5°	9.9
85°	5.7
87.5°	2.2
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)