

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: P743774

Luminaire Tested: LD4D15D010-EU4DR700215IC9050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743774
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-EU4DR700215IC9050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.1 lumens
Efficiency: N/A
Efficacy: 71.8 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



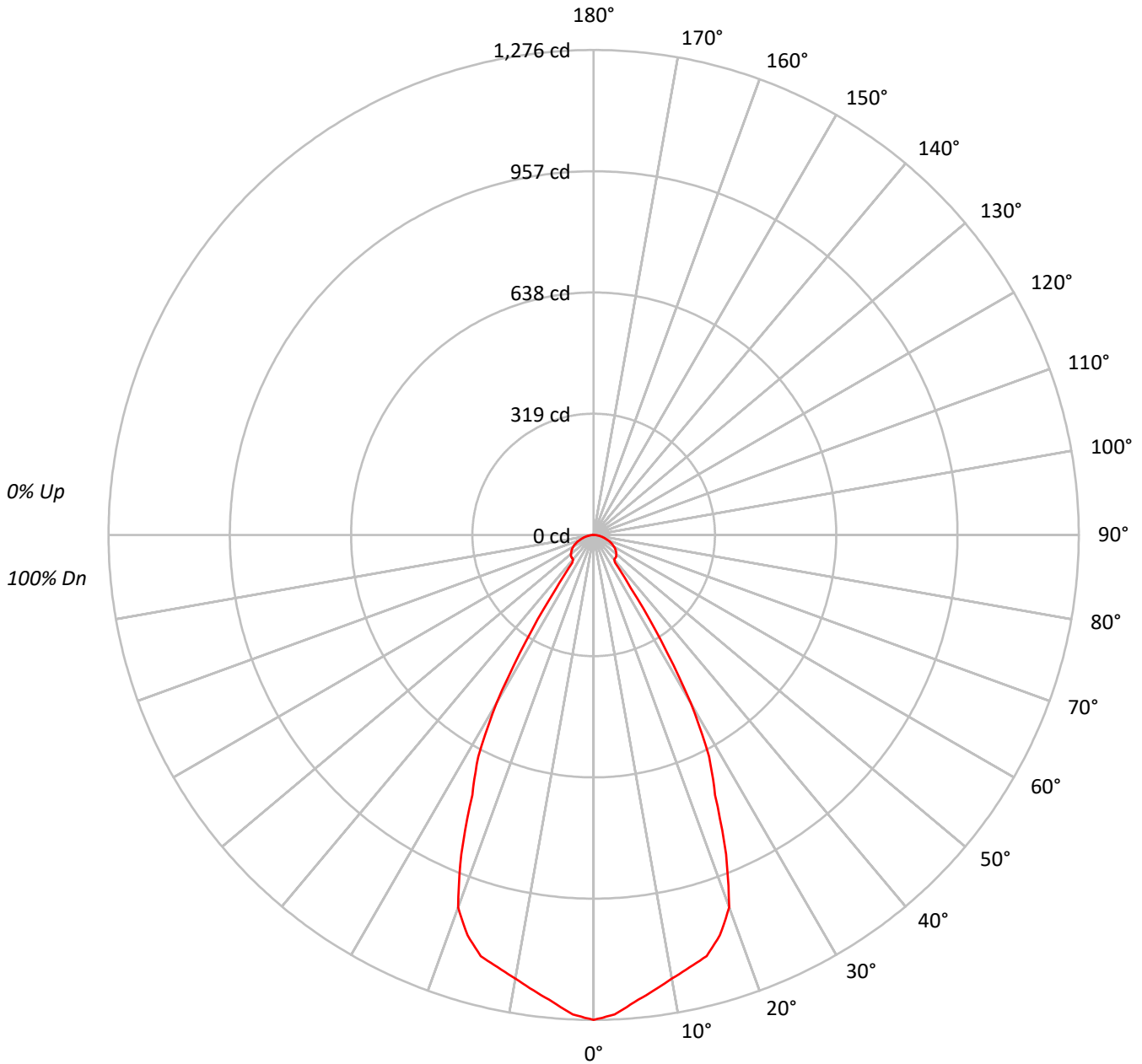
Downlight



TEST NUMBER: P743774

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9050-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P743774

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9050-4LBDP1MW

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	87	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°	139428
5°	135288
10°	131516
15°	129788
20°	121203
25°	91056
30°	64369
35°	22795
40°	11995
45°	12763
50°	13224
55°	13468
60°	13570
65°	13263
70°	12523
75°	11609
80°	10319
85°	8274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 13570 cd/sqm



TEST NUMBER: P743774

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9050-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	10.2
10°-20°	319.1	28.1
20°-30°	351.5	31.0
30°-40°	134.3	11.8
40°-50°	63.4	5.6
50°-60°	63.1	5.6
60°-70°	50.5	4.4
70°-80°	29.0	2.6
80°-90°	7.9	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°	787.0	69.3
0°-40°	921.3	81.2
0°-60°	1047.7	92.3
0°-90°	1135.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1276	
5°	1234	116
15°	1147	319
25°	755	351
35°	171	134
45°	83	63
55°	71	63
65°	51	50
75°	28	29
85°	7	8
90°	0	



TEST NUMBER: P743774

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9050-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1276.1
2.5°	1262.8
5°	1233.5
7.5°	1209.1
10°	1185.4
12.5°	1165.4
15°	1147.4
17.5°	1104.0
20°	1042.4
22.5°	909.4
25°	755.3
27.5°	657.5
30°	510.2
32.5°	329.6
35°	170.9
37.5°	92.4
40°	84.1
42.5°	83.4
45°	82.6
47.5°	80.8
50°	77.8
52.5°	74.4
55°	70.7
57.5°	66.7
60°	62.1
62.5°	56.8
65°	51.3
67.5°	45.3
70°	39.2
72.5°	33.1
75°	27.5
77.5°	21.6
80°	16.4
82.5°	11.5
85°	6.6
87.5°	2.6
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)