

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: P743318

Luminaire Tested: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P743318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1417.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

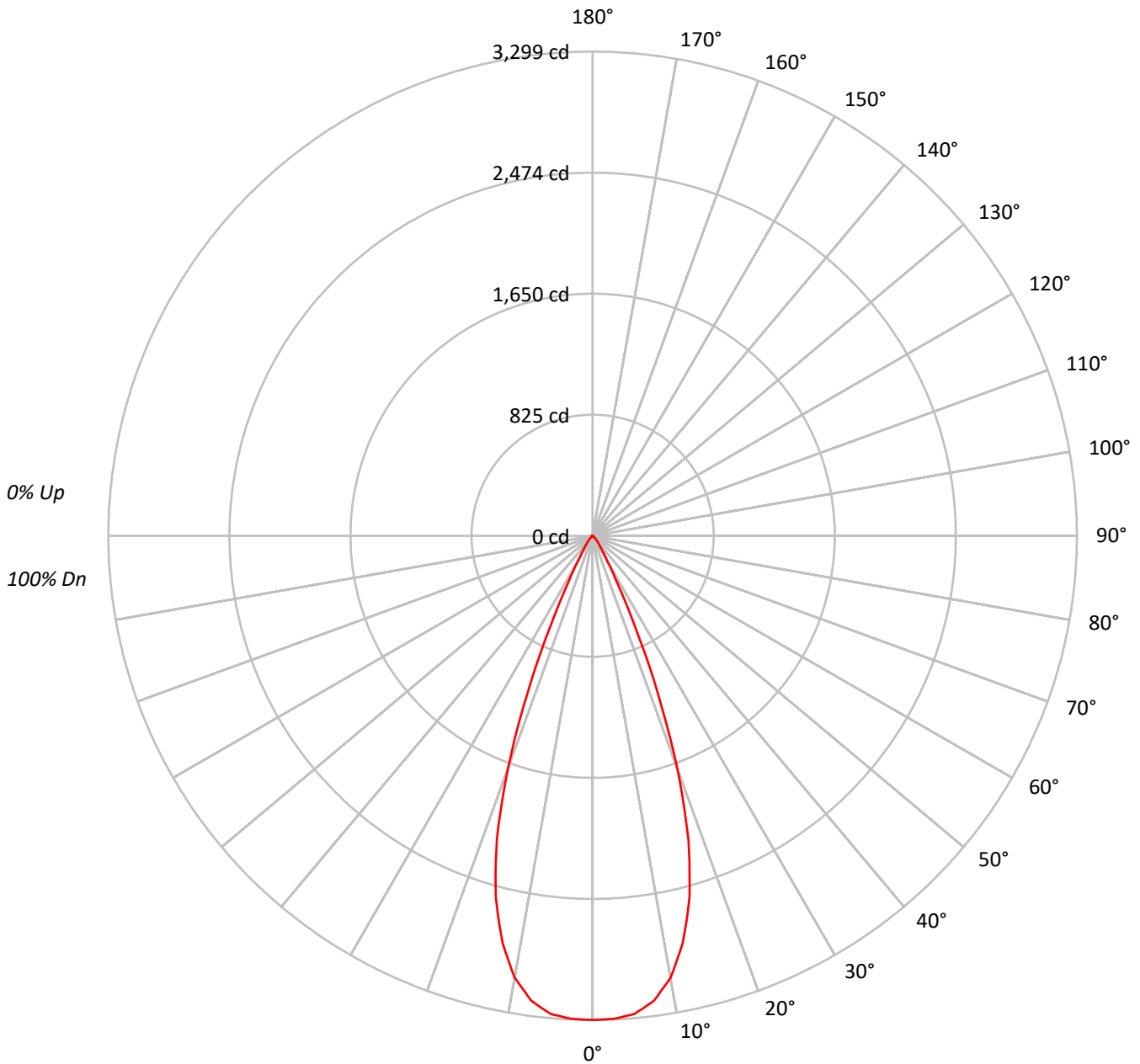


Downlight



TEST NUMBER: P743318
CATALOG NUMBER: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P743318

CATALOG NUMBER: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	100	100	99	98	97	96	95	93	92	91	89	88															
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	93	92	91	89	88	87	85	84	82	81	80															
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	89	88	87	85	84	82	81	79	77	76																
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	85	84	82	81	79	77	76	74	73	72																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	82	81	79	77	76	74	73	72	70	69	68																
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	79	77	76	74	73	72	70	69	68	67	66																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	76	74	73	72	70	69	68	67	66	65	64																
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	73	72	70	69	68	67	66	65	64	63	62																
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	70	69	68	67	66	65	64	63	62	61	60																
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	68	67	66	65	64	63	62	61	60	59	58																
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	66	65	64	63	62	61	60	59	58	57	56																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	360462
5°	358713
10°	339063
15°	288251
20°	196455
25°	81966
30°	25775
35°	11978
40°	6632
45°	3044
50°	1479
55°	800
60°	415
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3044 cd/sqm



TEST NUMBER: P743318

CATALOG NUMBER: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.4	21.6
10°-20°	684.2	48.3
20°-30°	342.5	24.2
30°-40°	62.8	4.4
40°-50°	17.3	1.2
50°-60°	4.1	0.3
60°-70°	0.8	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°	1332.0	94.0
0°-40°	1394.8	98.4
0°-60°	1416.2	99.9
0°-90°	1417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3299	
5°	3271	305
15°	2548	684
25°	680	342
35°	90	63
45°	20	17
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P743318

CATALOG NUMBER: LD4D15D010-EU4DR400215IC9050-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3299.1
2.5°	3294.3
5°	3270.6
7.5°	3195.1
10°	3056.1
12.5°	2839.4
15°	2548.3
17.5°	2169.5
20°	1689.6
22.5°	1151.9
25°	679.9
27.5°	359.4
30°	204.3
32.5°	132.0
35°	89.8
37.5°	64.2
40°	46.5
42.5°	31.8
45°	19.7
47.5°	12.5
50°	8.7
52.5°	6.2
55°	4.2
57.5°	2.7
60°	1.9
62.5°	1.1
65°	0.6
67.5°	0.4
70°	0.2
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)