

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: P742622

Luminaire Tested: LD4D10D010-EU4DR600210IC9040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P742622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D10D010-EU4DR600210IC9040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1141.6 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



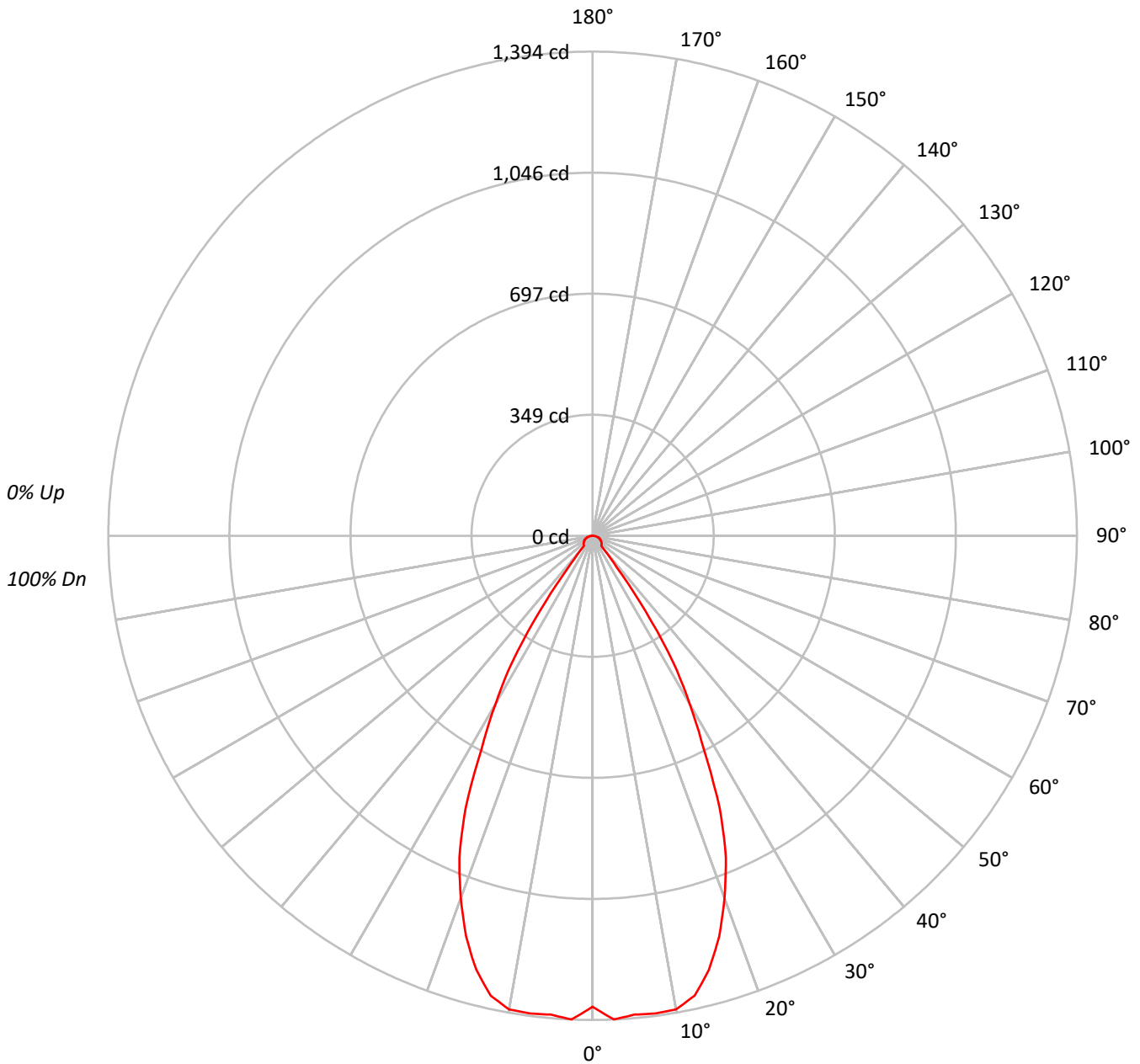
Downlight



TEST NUMBER: P742622

CATALOG NUMBER: LD4D10D010-EU4DR600210IC9040-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P742622

CATALOG NUMBER: LD4D10D010-EU4DR600210IC9040-4LBDP1LI

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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148136
5°	151773
10°	153616
15°	146337
20°	129028
25°	104353
30°	70588
35°	35373
40°	5734
45°	5609
50°	5728
55°	5810
60°	5966
65°	6127
70°	6261
75°	6332
80°	6103
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6332 cd/sqm



TEST NUMBER: P742622

CATALOG NUMBER: LD4D10D010-EU4DR600210IC9040-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	11.6
10°-20°	357.9	31.3
20°-30°	385.0	33.7
30°-40°	167.4	14.7
40°-50°	28.1	2.5
50°-60°	27.3	2.4
60°-70°	23.4	2.0
70°-80°	15.7	1.4
80°-90°	4.7	0.4
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°	875.1	76.7
0°-40°	1042.5	91.3
0°-60°	1097.9	96.2
0°-90°	1141.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1356	
5°	1384	132
15°	1294	358
25°	866	385
35°	265	167
45°	36	28
55°	30	27
65°	24	23
75°	15	16
85°	4	5
90°	0	



TEST NUMBER: P742622

CATALOG NUMBER: LD4D10D010-EU4DR600210IC9040-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1355.8
2.5°	1393.9
5°	1383.8
7.5°	1387.1
10°	1384.6
12.5°	1356.0
15°	1293.7
17.5°	1210.1
20°	1109.7
22.5°	1002.2
25°	865.6
27.5°	692.4
30°	559.5
32.5°	431.3
35°	265.2
37.5°	113.4
40°	40.2
42.5°	37.1
45°	36.3
47.5°	35.1
50°	33.7
52.5°	32.1
55°	30.5
57.5°	28.9
60°	27.3
62.5°	25.6
65°	23.7
67.5°	21.7
70°	19.6
72.5°	17.3
75°	15.0
77.5°	12.4
80°	9.7
82.5°	6.9
85°	4.1
87.5°	1.4
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)