

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: P739620

Luminaire Tested: LD4D02D010-EU4DR650210IC9027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR650210IC9027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 255.1 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

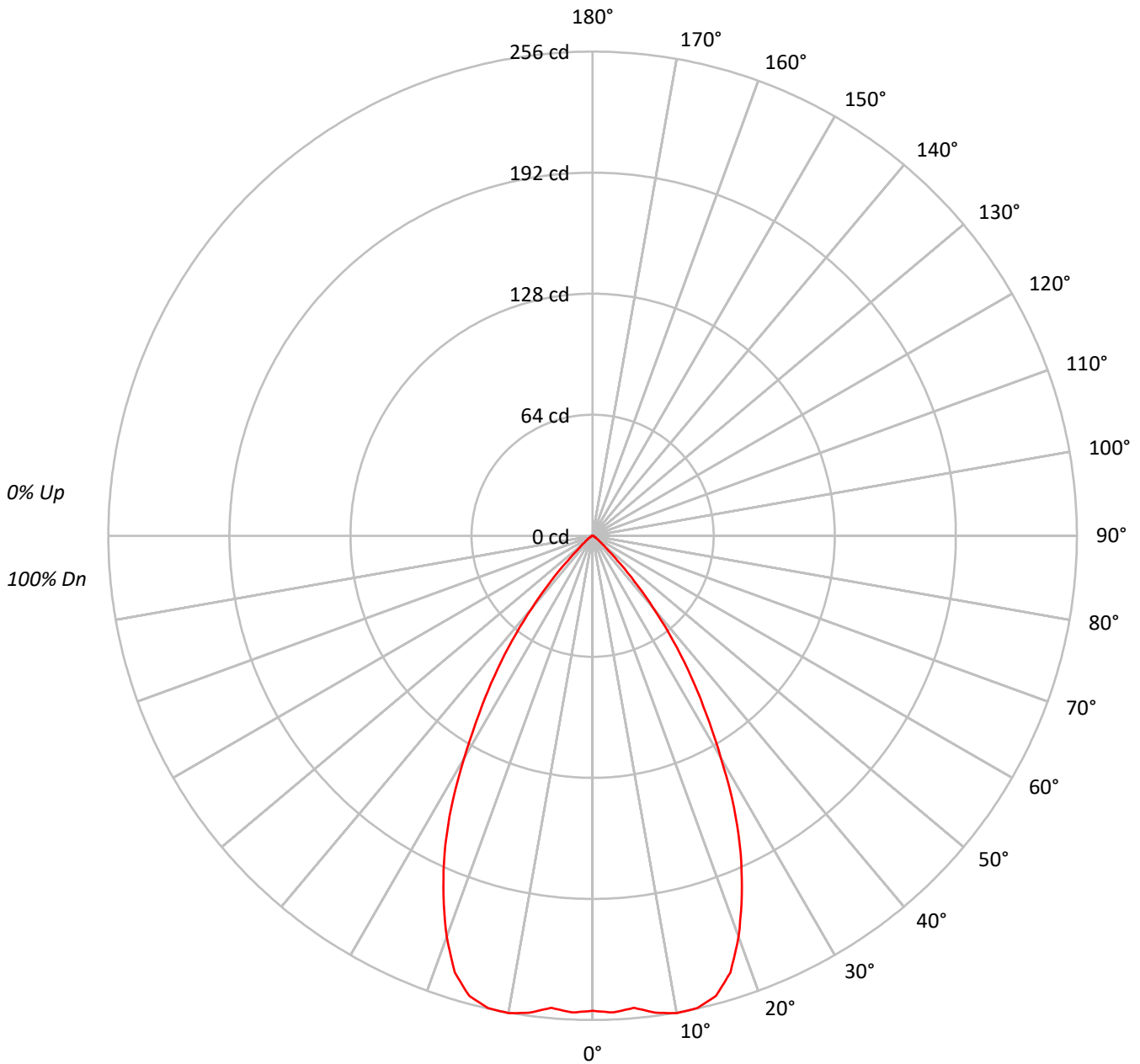


Downlight



TEST NUMBER: P739620
CATALOG NUMBER: LD4D02D010-EU4DR650210IC9027-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P739620

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9027-4LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27446
5°	27474
10°	28436
15°	28494
20°	26231
25°	22339
30°	17108
35°	12084
40°	7131
45°	2889
50°	1054
55°	591
60°	328
65°	181
70°	192
75°	127
80°	126
85°	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2889 cd/sqm



TEST NUMBER: P739620

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9027-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	9.5
10°-20°	69.8	27.4
20°-30°	83.7	32.8
30°-40°	56.3	22.0
40°-50°	16.8	6.6
50°-60°	3.0	1.2
60°-70°	0.8	0.3
70°-80°	0.4	0.2
80°-90°	0.1	0.1
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°	177.7	69.7
0°-40°	233.9	91.7
0°-60°	253.8	99.5
0°-90°	255.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	251	
5°	250	24
15°	252	70
25°	185	84
35°	91	56
45°	19	17
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P739620

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9027-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	251.2
2.5°	252.3
5°	250.5
7.5°	254.3
10°	256.3
12.5°	255.8
15°	251.9
17.5°	242.1
20°	225.6
22.5°	206.1
25°	185.3
27.5°	161.9
30°	135.6
32.5°	111.7
35°	90.6
37.5°	69.7
40°	50.0
42.5°	32.7
45°	18.7
47.5°	9.9
50°	6.2
52.5°	4.3
55°	3.1
57.5°	2.2
60°	1.5
62.5°	1.0
65°	0.7
67.5°	0.6
70°	0.6
72.5°	0.5
75°	0.3
77.5°	0.3
80°	0.2
82.5°	0.2
85°	0.1
87.5°	0.1
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)