

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: P742675

Luminaire Tested: LD4D10D010-EU4DR650210IC9030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P742675
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: LD4D10D010-EU4DR650210IC9030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 755.5 lumens
Efficiency: N/A
Efficacy: 64.6 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): 11.7
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



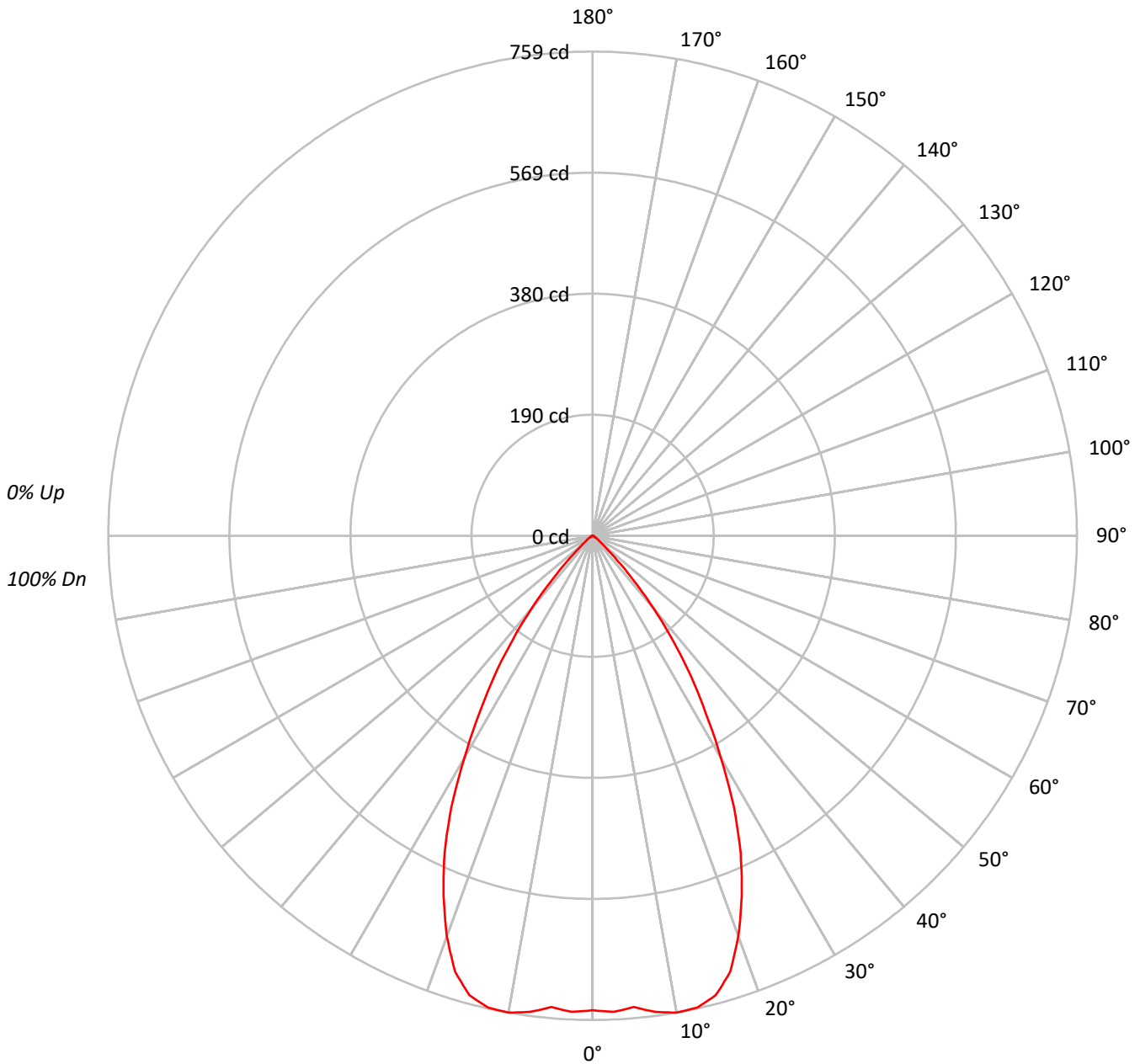
Downlight



TEST NUMBER: P742675

CATALOG NUMBER: LD4D10D010-EU4DR650210IC9030-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P742675

CATALOG NUMBER: LD4D10D010-EU4DR650210IC9030-4LBDP1MW

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	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	62	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°	81279
5°	81348
10°	84208
15°	84350
20°	77659
25°	66161
30°	50655
35°	35787
40°	21123
45°	8576
50°	3111
55°	1733
60°	983
65°	543
70°	575
75°	422
80°	440
85°	376

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8576 cd/sqm



TEST NUMBER: P742675

CATALOG NUMBER: LD4D10D010-EU4DR650210IC9030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	9.5
10°-20°	206.6	27.3
20°-30°	247.9	32.8
30°-40°	166.6	22.1
40°-50°	49.9	6.6
50°-60°	8.8	1.2
60°-70°	2.5	0.3
70°-80°	1.2	0.2
80°-90°	0.4	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°	526.2	69.6
0°-40°	692.8	91.7
0°-60°	751.4	99.5
0°-90°	755.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	742	72
15°	746	207
25°	549	248
35°	268	167
45°	56	50
55°	9	9
65°	2	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P742675

CATALOG NUMBER: LD4D10D010-EU4DR650210IC9030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	743.9
2.5°	747.1
5°	741.7
7.5°	752.9
10°	759.0
12.5°	757.5
15°	745.7
17.5°	716.7
20°	667.9
22.5°	610.4
25°	548.8
27.5°	479.4
30°	401.5
32.5°	330.9
35°	268.3
37.5°	206.4
40°	148.1
42.5°	96.7
45°	55.5
47.5°	29.4
50°	18.3
52.5°	12.7
55°	9.1
57.5°	6.5
60°	4.5
62.5°	3.0
65°	2.1
67.5°	1.9
70°	1.8
72.5°	1.4
75°	1.0
77.5°	1.0
80°	0.7
82.5°	0.5
85°	0.3
87.5°	0.2
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)