

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: P740737

Luminaire Tested: LD4D05D010-EU4DR700210IC9035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740737
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: LD4D05D010-EU4DR700210IC9035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 94.8 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): 7.5
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



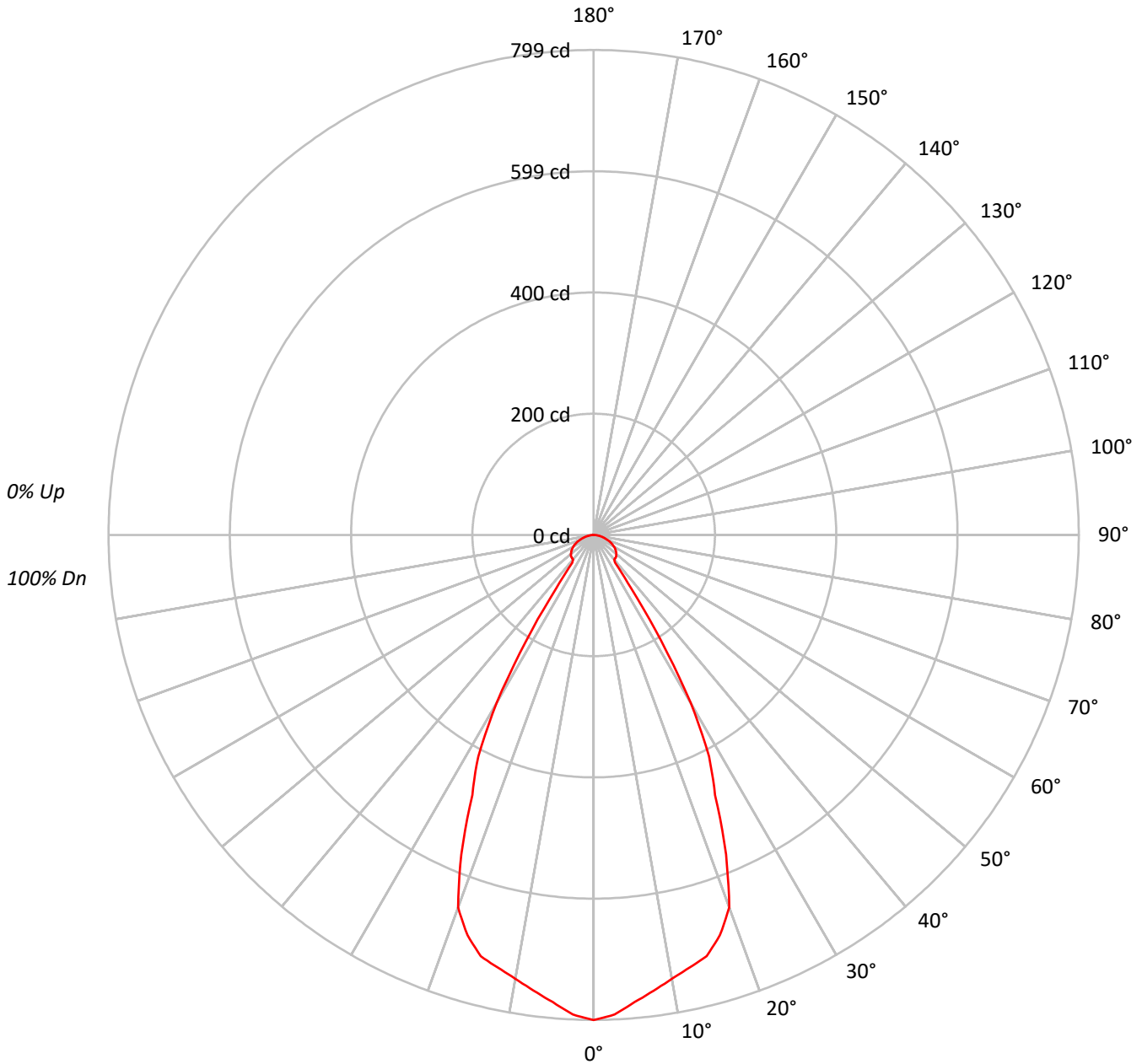
Downlight



TEST NUMBER: P740737

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9035-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P740737

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9035-4LBDP1LI

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																			
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°	87332
5°	84737
10°	82378
15°	81296
20°	75915
25°	57023
30°	40309
35°	14285
40°	7517
45°	7989
50°	8278
55°	8439
60°	8479
65°	8299
70°	7859
75°	7261
80°	6481
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 8500 cd/sqm



TEST NUMBER: P740737

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9035-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	10.3
10°-20°	199.9	28.1
20°-30°	220.1	31.0
30°-40°	84.1	11.8
40°-50°	39.7	5.6
50°-60°	39.5	5.6
60°-70°	31.6	4.4
70°-80°	18.2	2.6
80°-90°	5.0	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°	492.9	69.3
0°-40°	577.0	81.2
0°-60°	656.2	92.3
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	799	
5°	773	73
15°	719	200
25°	473	220
35°	107	84
45°	52	40
55°	44	39
65°	32	32
75°	17	18
85°	4	5
90°	0	



TEST NUMBER: P740737

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9035-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	799.3
2.5°	791.0
5°	772.6
7.5°	757.3
10°	742.5
12.5°	729.9
15°	718.7
17.5°	691.5
20°	652.9
22.5°	569.6
25°	473.0
27.5°	411.8
30°	319.5
32.5°	206.4
35°	107.1
37.5°	57.8
40°	52.7
42.5°	52.3
45°	51.7
47.5°	50.6
50°	48.7
52.5°	46.6
55°	44.3
57.5°	41.8
60°	38.8
62.5°	35.6
65°	32.1
67.5°	28.4
70°	24.6
72.5°	20.7
75°	17.2
77.5°	13.5
80°	10.3
82.5°	7.2
85°	4.2
87.5°	1.7
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)