

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: P740658

Luminaire Tested: LD4D05D010-EU4DR650210IC9035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740658
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: LD4D05D010-EU4DR650210IC9035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 587.8 lumens
Efficiency: N/A
Efficacy: 78.4 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): 7.5
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



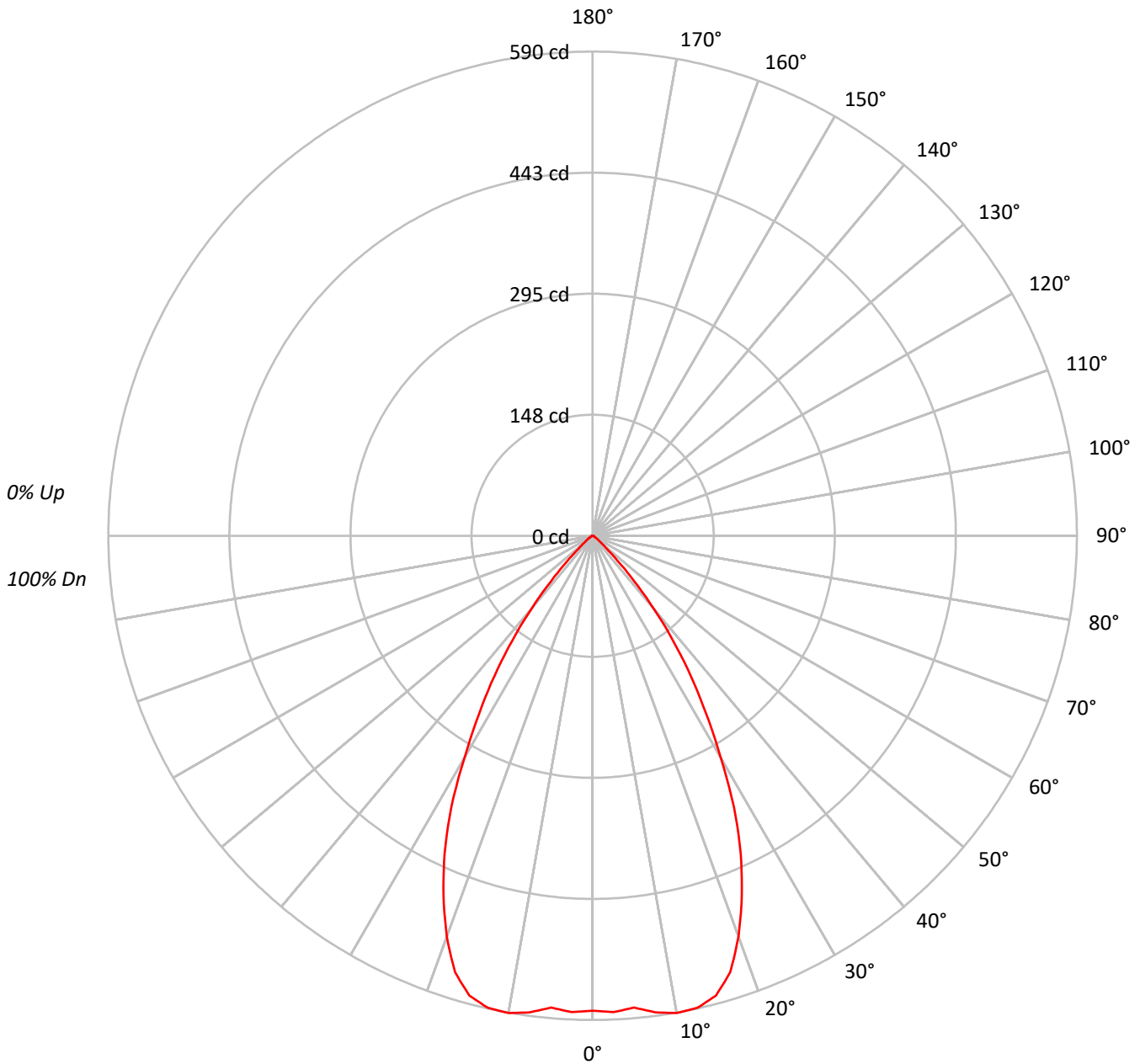
Downlight



TEST NUMBER: P740658

CATALOG NUMBER: LD4D05D010-EU4DR650210IC9035-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P740658

CATALOG NUMBER: LD4D05D010-EU4DR650210IC9035-4LBDP1H

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	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°	63229
5°	63284
10°	65514
15°	65618
20°	60415
25°	51477
30°	39401
35°	27837
40°	16431
45°	6675
50°	2414
55°	1333
60°	787
65°	440
70°	447
75°	338
80°	378
85°	251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6675 cd/sqm



TEST NUMBER: P740658

CATALOG NUMBER: LD4D05D010-EU4DR650210IC9035-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	9.5
10°-20°	160.7	27.3
20°-30°	192.9	32.8
30°-40°	129.6	22.0
40°-50°	38.8	6.6
50°-60°	6.8	1.2
60°-70°	2.0	0.3
70°-80°	0.9	0.2
80°-90°	0.3	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°	409.3	69.6
0°-40°	538.9	91.7
0°-60°	584.6	99.5
0°-90°	587.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	579	
5°	577	56
15°	580	161
25°	427	193
35°	209	130
45°	43	39
55°	7	7
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P740658

CATALOG NUMBER: LD4D05D010-EU4DR650210IC9035-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	578.7
2.5°	581.1
5°	577.0
7.5°	585.7
10°	590.5
12.5°	589.3
15°	580.1
17.5°	557.5
20°	519.6
22.5°	474.9
25°	427.0
27.5°	372.9
30°	312.3
32.5°	257.4
35°	208.7
37.5°	160.6
40°	115.2
42.5°	75.2
45°	43.2
47.5°	22.9
50°	14.2
52.5°	9.9
55°	7.0
57.5°	5.1
60°	3.6
62.5°	2.3
65°	1.7
67.5°	1.5
70°	1.4
72.5°	1.1
75°	0.8
77.5°	0.7
80°	0.6
82.5°	0.4
85°	0.2
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)