

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: P740770

Luminaire Tested: LD4D05D010-EU4DR700210IC9050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740770
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-EU4DR700210IC9050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 565.7 lumens
Efficiency: N/A
Efficacy: 75.4 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 (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

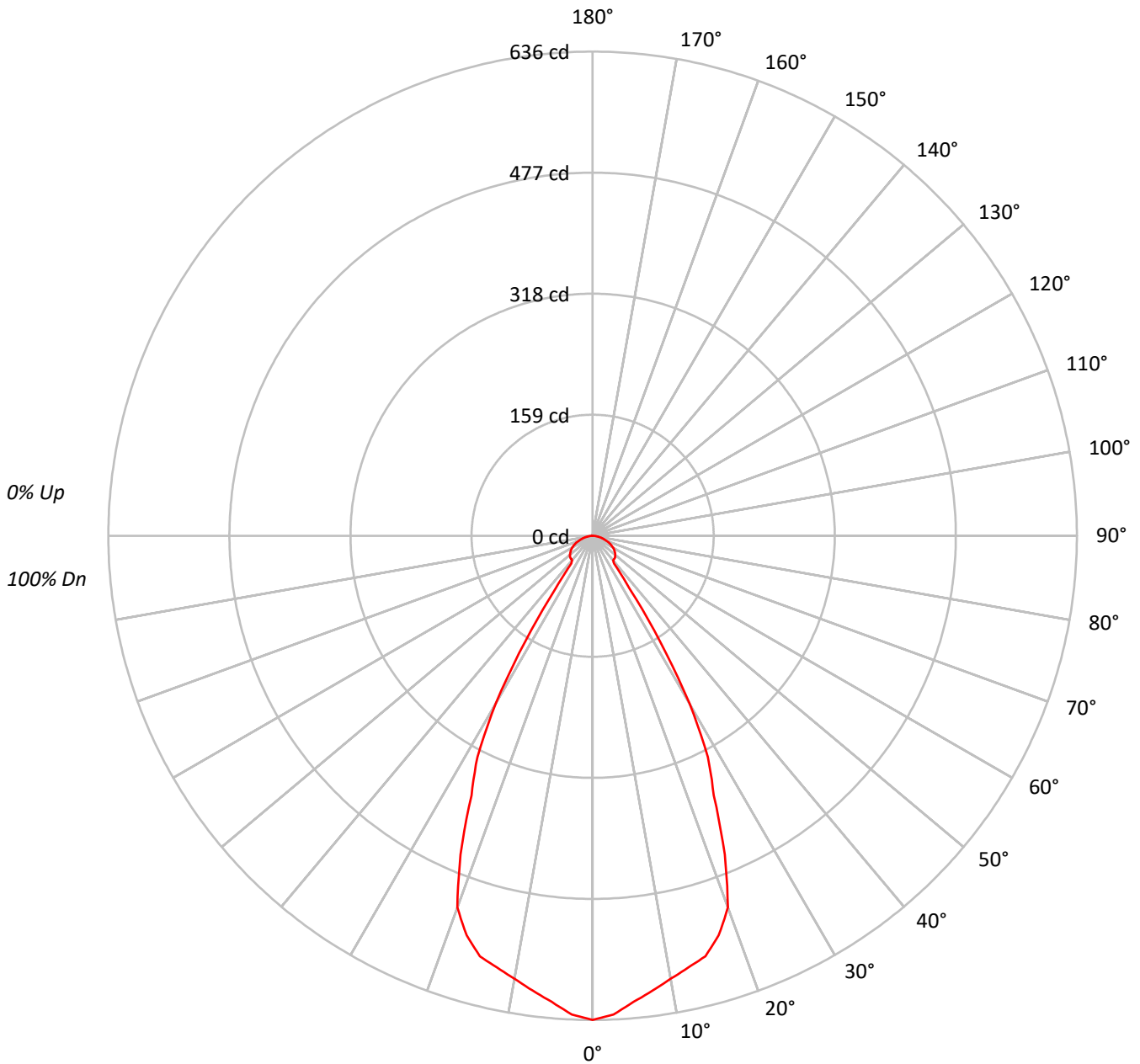


Downlight



TEST NUMBER: P740770
CATALOG NUMBER: LD4D05D010-EU4DR700210IC9050-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P740770

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9050-4LBSQW1MW

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	88	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°	69490
5°	67419
10°	65547
15°	64691
20°	60404
25°	45377
30°	32083
35°	11364
40°	5976
45°	6366
50°	6595
55°	6705
60°	6752
65°	6618
70°	6229
75°	5783
80°	5097
85°	4137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 6752 cd/sqm



TEST NUMBER: P740770

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9050-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	10.3
10°-20°	159.1	28.1
20°-30°	175.2	31.0
30°-40°	66.9	11.8
40°-50°	31.6	5.6
50°-60°	31.4	5.6
60°-70°	25.2	4.4
70°-80°	14.4	2.6
80°-90°	3.9	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°	392.2	69.3
0°-40°	459.1	81.2
0°-60°	522.2	92.3
0°-90°	565.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	636	
5°	615	58
15°	572	159
25°	376	175
35°	85	67
45°	41	32
55°	35	31
65°	26	25
75°	14	14
85°	3	4
90°	0	



TEST NUMBER: P740770

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9050-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	636.0
2.5°	629.3
5°	614.7
7.5°	602.6
10°	590.8
12.5°	580.8
15°	571.9
17.5°	550.2
20°	519.5
22.5°	453.2
25°	376.4
27.5°	327.7
30°	254.3
32.5°	164.2
35°	85.2
37.5°	46.0
40°	41.9
42.5°	41.6
45°	41.2
47.5°	40.3
50°	38.8
52.5°	37.1
55°	35.2
57.5°	33.2
60°	30.9
62.5°	28.3
65°	25.6
67.5°	22.6
70°	19.5
72.5°	16.5
75°	13.7
77.5°	10.8
80°	8.1
82.5°	5.7
85°	3.3
87.5°	1.3
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)