

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: P740549

Luminaire Tested: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 499.7 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

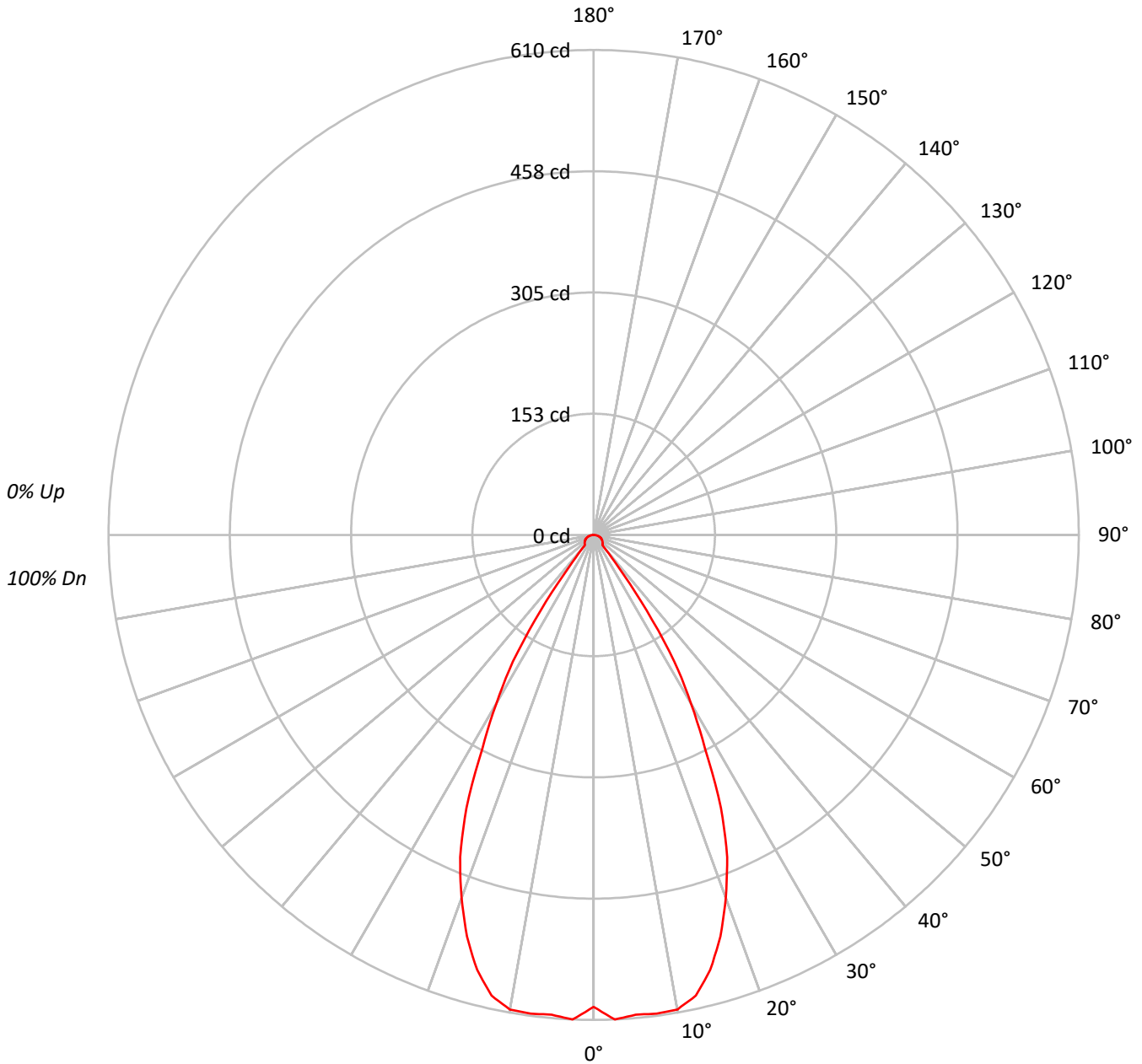


Downlight



TEST NUMBER: P740549
CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P740549

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64846
5°	66432
10°	67245
15°	64057
20°	56474
25°	45679
30°	30897
35°	15486
40°	2510
45°	2457
50°	2499
55°	2534
60°	2622
65°	2689
70°	2747
75°	2786
80°	2643
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 2786 cd/sqm



TEST NUMBER: P740549

CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	11.6
10°-20°	156.6	31.3
20°-30°	168.5	33.7
30°-40°	73.3	14.7
40°-50°	12.3	2.5
50°-60°	11.9	2.4
60°-70°	10.3	2.1
70°-80°	6.9	1.4
80°-90°	2.0	0.4
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°	383.1	76.7
0°-40°	456.3	91.3
0°-60°	480.6	96.2
0°-90°	499.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	594	
5°	606	58
15°	566	157
25°	379	169
35°	116	73
45°	16	12
55°	13	12
65°	10	10
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P740549
CATALOG NUMBER: LD4D05D010-EU4DR600210IC9024-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	593.5
2.5°	610.1
5°	605.7
7.5°	607.2
10°	606.1
12.5°	593.5
15°	566.3
17.5°	529.7
20°	485.7
22.5°	438.7
25°	378.9
27.5°	303.1
30°	244.9
32.5°	188.8
35°	116.1
37.5°	49.7
40°	17.6
42.5°	16.2
45°	15.9
47.5°	15.4
50°	14.7
52.5°	14.0
55°	13.3
57.5°	12.7
60°	12.0
62.5°	11.2
65°	10.4
67.5°	9.5
70°	8.6
72.5°	7.6
75°	6.6
77.5°	5.4
80°	4.2
82.5°	3.0
85°	1.8
87.5°	0.6
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)