

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P740266

Luminaire Tested: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P740266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

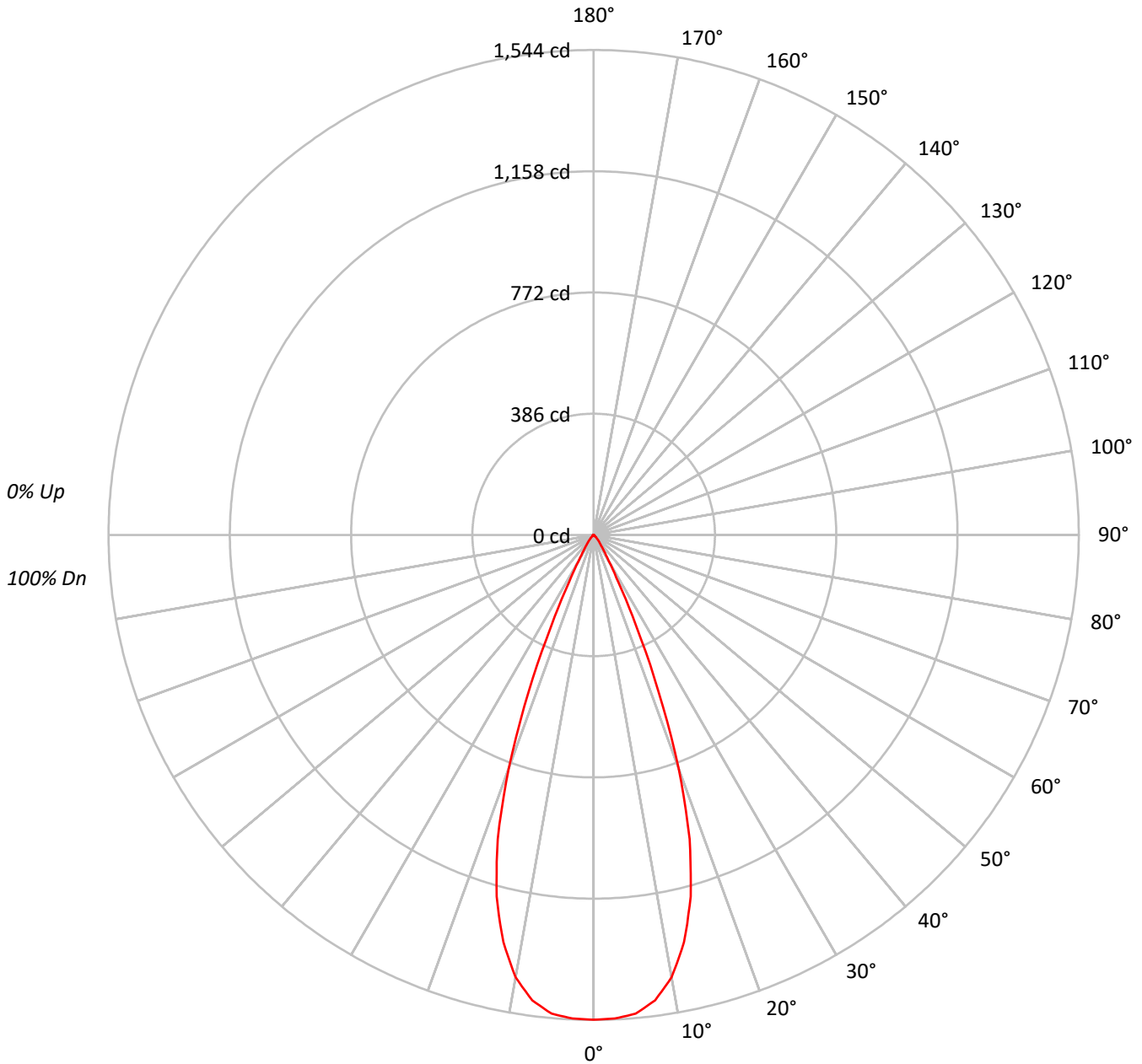


Downlight



TEST NUMBER: P740266
CATALOG NUMBER: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P740266

CATALOG NUMBER: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW

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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																											
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																											
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																											
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																											
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																											
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																											
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																											
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																											
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168644
5°	167829
10°	158631
15°	134856
20°	91914
25°	38349
30°	12061
35°	5602
40°	3095
45°	1422
50°	697
55°	381
60°	197
65°	78
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1422 cd/sqm



TEST NUMBER: P740266

CATALOG NUMBER: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	21.6
10°-20°	320.1	48.3
20°-30°	160.2	24.2
30°-40°	29.4	4.4
40°-50°	8.1	1.2
50°-60°	1.9	0.3
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	623.2	94.0
0°-40°	652.6	98.4
0°-60°	662.6	99.9
0°-90°	663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1544	
5°	1530	143
15°	1192	320
25°	318	160
35°	42	29
45°	9	8
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P740266

CATALOG NUMBER: LD4D05D010-EU4DR400210IC9035-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1543.5
2.5°	1541.3
5°	1530.2
7.5°	1494.8
10°	1429.8
12.5°	1328.4
15°	1192.2
17.5°	1015.0
20°	790.5
22.5°	538.9
25°	318.1
27.5°	168.2
30°	95.6
32.5°	61.8
35°	42.0
37.5°	30.0
40°	21.7
42.5°	14.9
45°	9.2
47.5°	5.8
50°	4.1
52.5°	2.9
55°	2.0
57.5°	1.3
60°	0.9
62.5°	0.5
65°	0.3
67.5°	0.2
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)