

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: P741771

Luminaire Tested: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P741771
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: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.4 lumens
Efficiency: N/A
Efficacy: 75.7 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): 8.9
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



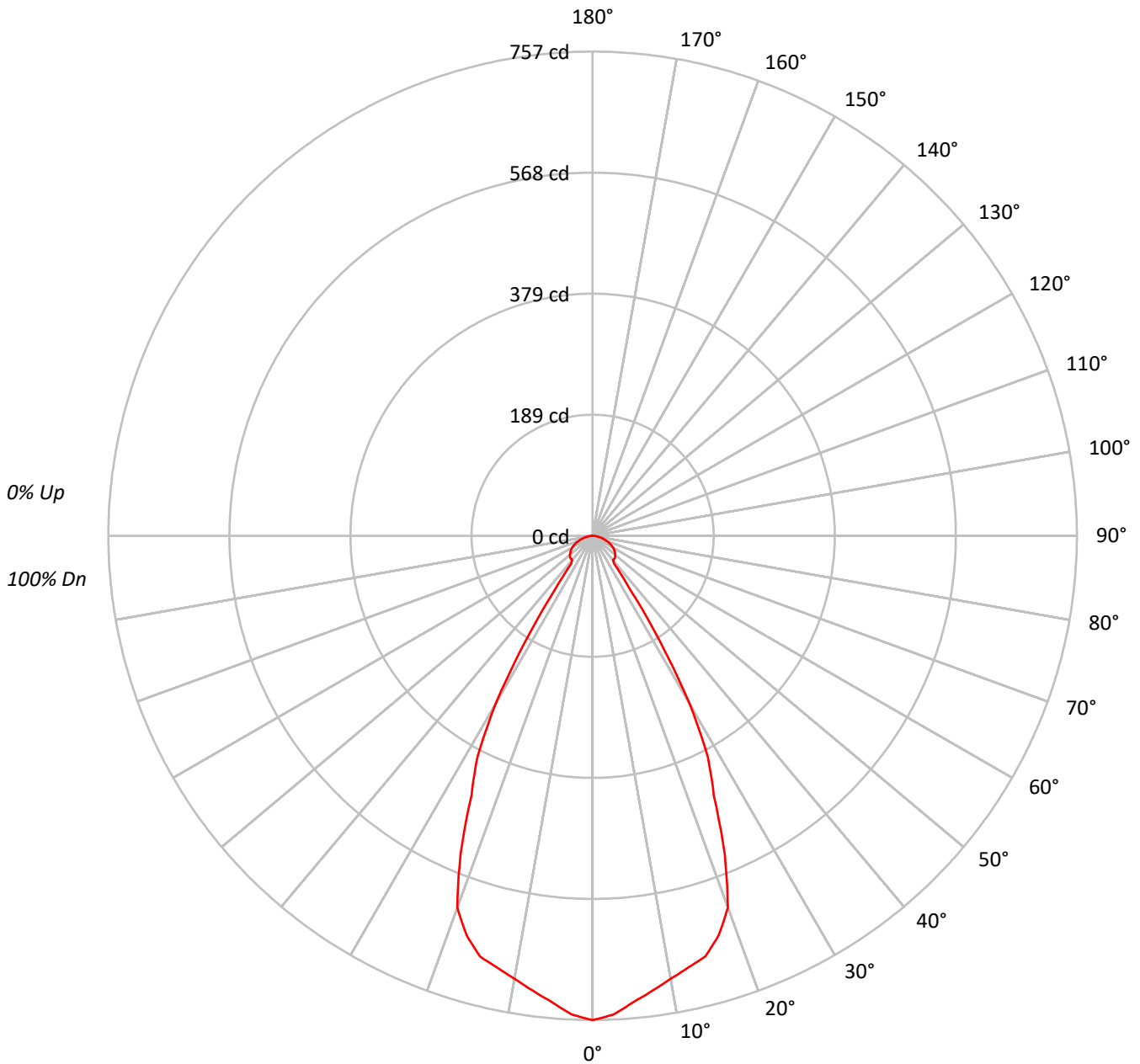
Downlight



TEST NUMBER: P741771

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P741771

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW

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	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°	82732
5°	80262
10°	78029
15°	77009
20°	71903
25°	54021
30°	38190
35°	13525
40°	7103
45°	7571
50°	7853
55°	7982
60°	8042
65°	7859
70°	7443
75°	6881
80°	6103
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 8042 cd/sqm



TEST NUMBER: P741771

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	10.3
10°-20°	189.3	28.1
20°-30°	208.5	31.0
30°-40°	79.7	11.8
40°-50°	37.6	5.6
50°-60°	37.4	5.6
60°-70°	30.0	4.4
70°-80°	17.2	2.6
80°-90°	4.7	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°	466.9	69.3
0°-40°	546.6	81.2
0°-60°	621.6	92.3
0°-90°	673.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	757	
5°	732	69
15°	681	189
25°	448	209
35°	101	80
45°	49	38
55°	42	37
65°	30	30
75°	16	17
85°	4	5
90°	0	



TEST NUMBER: P741771
CATALOG NUMBER: LD4D08D010-EU4DR700210IC9040-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	757.2
2.5°	749.2
5°	731.8
7.5°	717.3
10°	703.3
12.5°	691.4
15°	680.8
17.5°	655.0
20°	618.4
22.5°	539.5
25°	448.1
27.5°	390.1
30°	302.7
32.5°	195.5
35°	101.4
37.5°	54.8
40°	49.8
42.5°	49.5
45°	49.0
47.5°	48.0
50°	46.2
52.5°	44.1
55°	41.9
57.5°	39.5
60°	36.8
62.5°	33.7
65°	30.4
67.5°	26.9
70°	23.3
72.5°	19.7
75°	16.3
77.5°	12.8
80°	9.7
82.5°	6.8
85°	4.0
87.5°	1.5
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)