

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: P741419

Luminaire Tested: LD4D08D010-EU4DR500210IC9027-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P741419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D08D010-EU4DR500210IC9027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.3 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

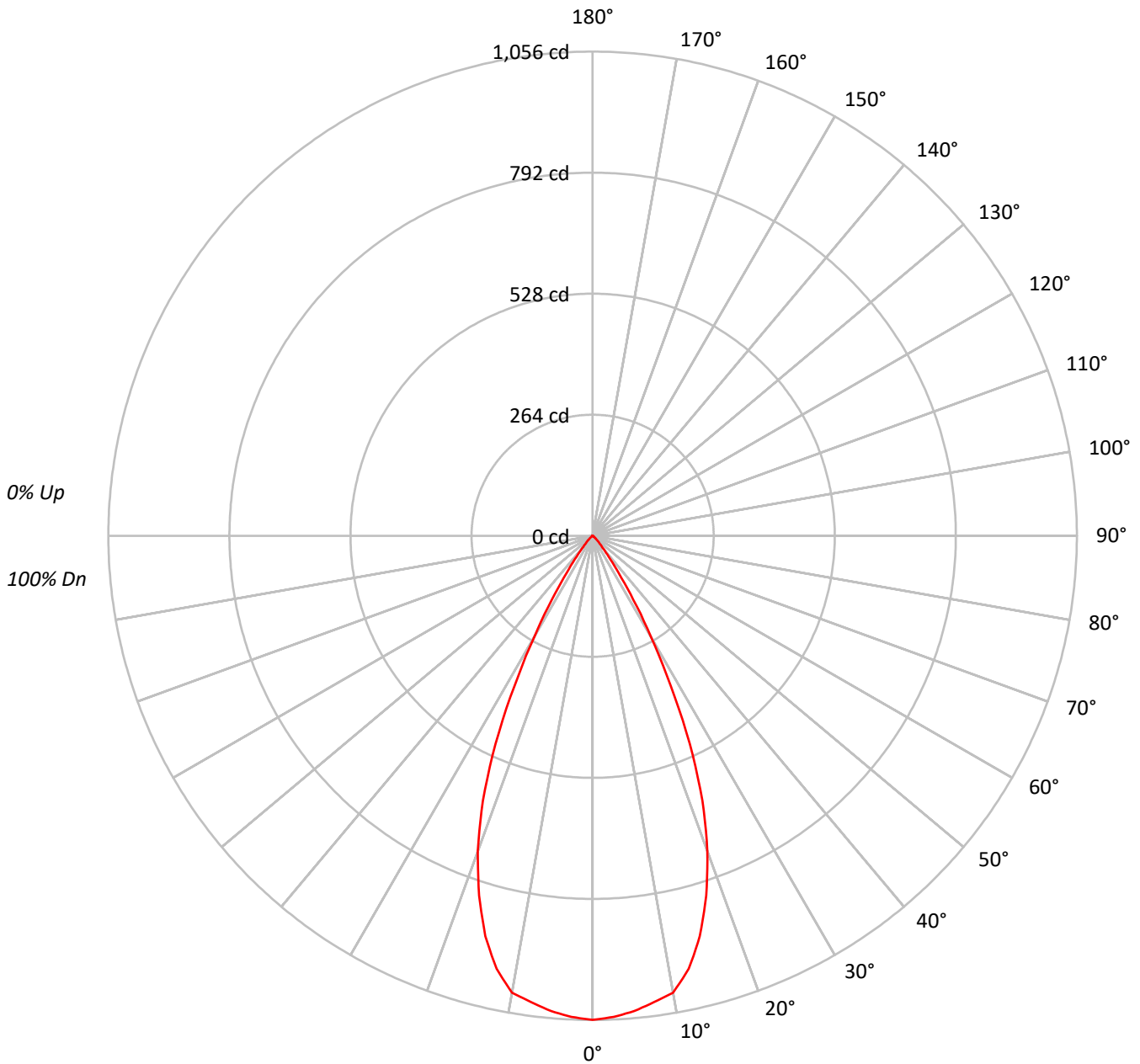


Downlight



TEST NUMBER: P741419
CATALOG NUMBER: LD4D08D010-EU4DR500210IC9027-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P741419
 CATALOG NUMBER: LD4D08D010-EU4DR500210IC9027-4LBSQW1B

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	
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85	
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80	
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76	
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72	
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69	
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65	
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62	
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115358
5°	114142
10°	112267
15°	102222
20°	85065
25°	60386
30°	31957
35°	13018
40°	4835
45°	2210
50°	901
55°	476
60°	240
65°	78
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2210 cd/sqm



TEST NUMBER: P741419

CATALOG NUMBER: LD4D08D010-EU4DR500210IC9027-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	15.0
10°-20°	248.6	37.9
20°-30°	223.3	34.1
30°-40°	69.9	10.7
40°-50°	12.2	1.9
50°-60°	2.5	0.4
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°	570.3	87.0
0°-40°	640.2	97.7
0°-60°	654.9	99.9
0°-90°	655.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1056	
5°	1041	98
15°	904	249
25°	501	223
35°	98	70
45°	14	12
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P741419

CATALOG NUMBER: LD4D08D010-EU4DR500210IC9027-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1055.8
2.5°	1050.5
5°	1040.7
7.5°	1025.8
10°	1011.9
12.5°	967.4
15°	903.7
17.5°	822.9
20°	731.6
22.5°	625.9
25°	500.9
27.5°	368.2
30°	253.3
32.5°	165.0
35°	97.6
37.5°	56.1
40°	33.9
42.5°	22.1
45°	14.3
47.5°	8.7
50°	5.3
52.5°	3.7
55°	2.5
57.5°	1.7
60°	1.1
62.5°	0.6
65°	0.3
67.5°	0.1
70°	0.0
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)