

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: P738950

Luminaire Tested: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P738950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 336.9 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

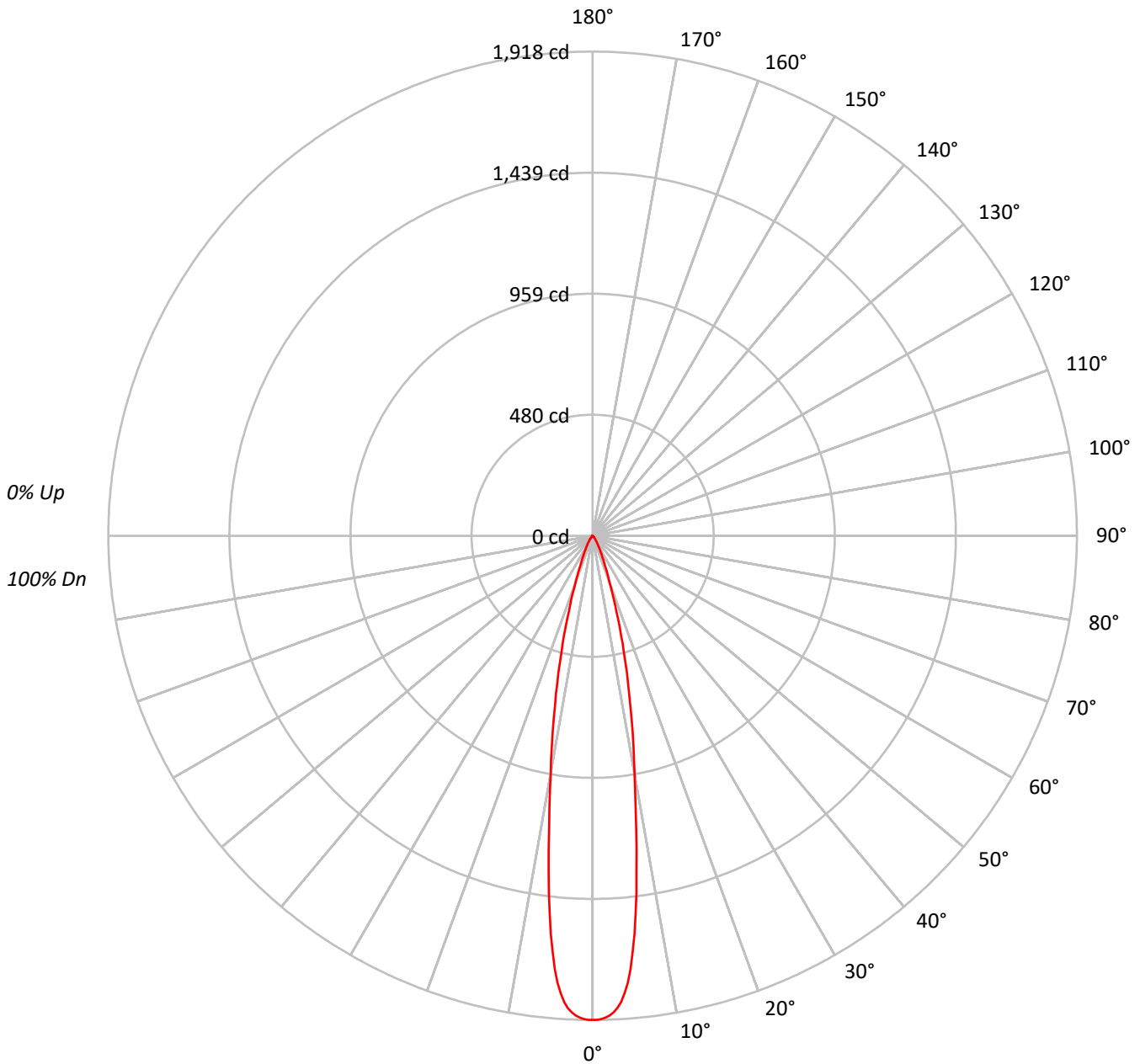


Downlight



TEST NUMBER: P738950
CATALOG NUMBER: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P738950

CATALOG NUMBER: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

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			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	209529
5°	189041
10°	106098
15°	53933
20°	22836
25°	10537
30°	5576
35°	3001
40°	1612
45°	943
50°	544
55°	286
60°	197
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 943 cd/sqm



TEST NUMBER: P738950

CATALOG NUMBER: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	40.5
10°-20°	134.5	39.9
20°-30°	43.9	13.0
30°-40°	15.0	4.4
40°-50°	5.0	1.5
50°-60°	1.5	0.4
60°-70°	0.5	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°	314.9	93.5
0°-40°	329.9	97.9
0°-60°	336.4	99.8
0°-90°	336.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1918	
5°	1724	137
15°	477	134
25°	87	44
35°	22	15
45°	6	5
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P738950

CATALOG NUMBER: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1917.7
0.5°	1917.7
1°	1915.3
1.5°	1910.5
2°	1901.8
2.5°	1890.2
3°	1873.8
3.5°	1850.9
4°	1817.0
4.5°	1775.6
5°	1723.6
5.5°	1655.1
6°	1584.9
6.5°	1504.5
7°	1425.7
7.5°	1333.5
8°	1251.2
8.5°	1168.4
9°	1091.9
9.5°	1021.7
10°	956.3
12.5°	686.7
15°	476.8
17.5°	311.5
20°	196.4
22.5°	127.2
25°	87.4
27.5°	61.5
30°	44.2
32.5°	31.8
35°	22.5
37.5°	15.7
40°	11.3
42.5°	8.2
45°	6.1
47.5°	4.8
50°	3.2
52.5°	2.0
55°	1.5
57.5°	1.2
60°	0.9
62.5°	0.7
65°	0.5



TEST NUMBER: P738950
CATALOG NUMBER: LD4D02D010-EU4DR200210IC9035-4LBSQW1MW

CANDELA DISTRIBUTION (continued):

	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



67.5°		0.3
70°		0.2

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

Scaled Data Report



(END OF REPORT)