

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: P739612

Luminaire Tested: LD4D02D010-EU4DR650210IC9024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR650210IC9024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 203.9 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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



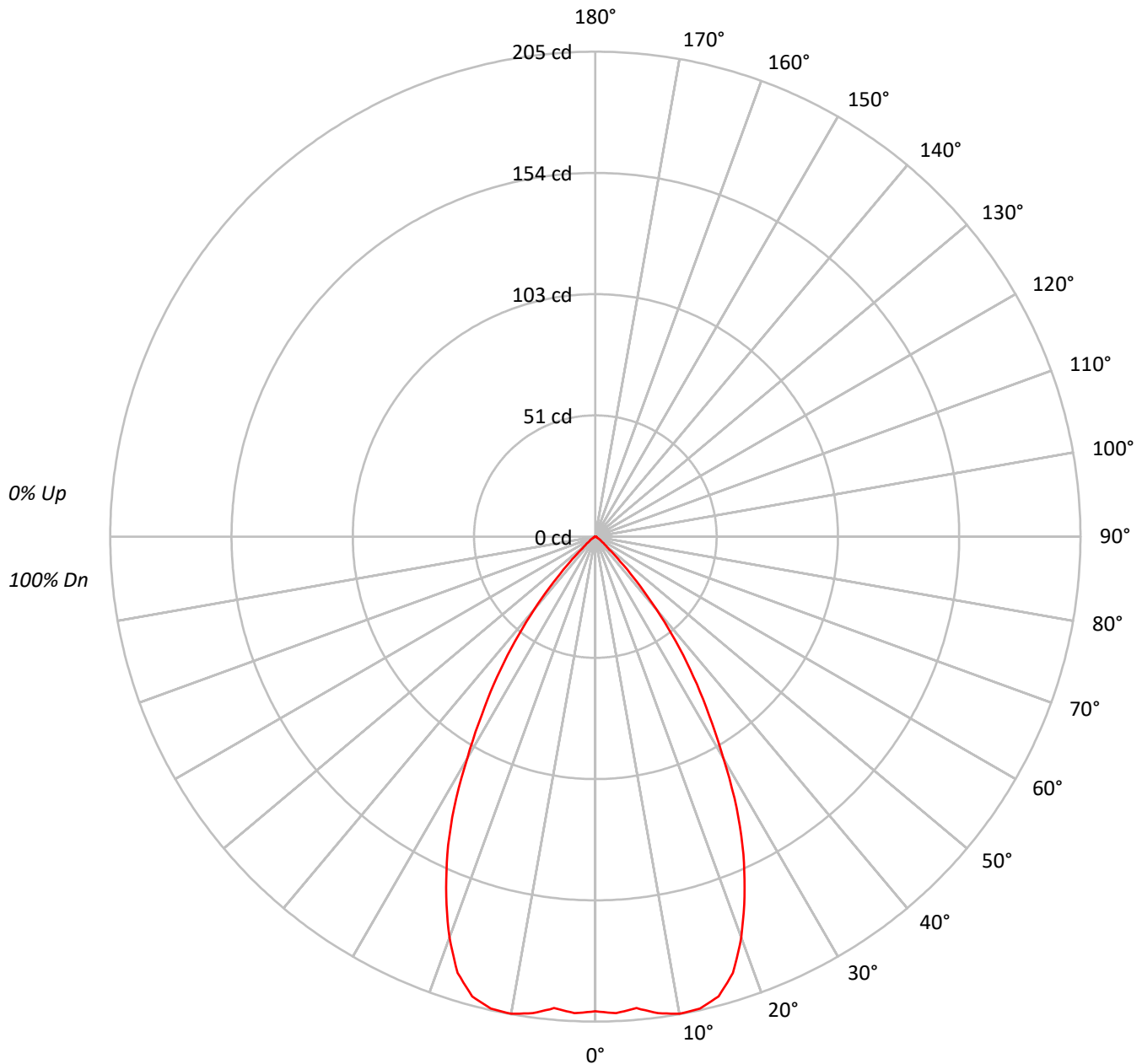
Downlight



TEST NUMBER: P739612

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9024-4LBSQW1B

Luminous Intensity Polar Plot



TEST NUMBER: P739612

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9024-4LBSQW1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21929
5°	21947
10°	22722
15°	22759
20°	20964
25°	17854
30°	13664
35°	9657
40°	5705
45°	2318
50°	833
55°	476
60°	262
65°	155
70°	160
75°	127
80°	126
85°	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2318 cd/sqm



TEST NUMBER: P739612

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9024-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	9.5
10°-20°	55.8	27.3
20°-30°	66.9	32.8
30°-40°	45.0	22.1
40°-50°	13.5	6.6
50°-60°	2.4	1.2
60°-70°	0.7	0.3
70°-80°	0.3	0.1
80°-90°	0.1	0.1
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°	142.0	69.6
0°-40°	186.9	91.7
0°-60°	202.8	99.5
0°-90°	203.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	201	
5°	200	19
15°	201	56
25°	148	67
35°	72	45
45°	15	13
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P739612

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9024-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	200.7
2.5°	201.6
5°	200.1
7.5°	203.2
10°	204.8
12.5°	204.4
15°	201.2
17.5°	193.4
20°	180.3
22.5°	164.7
25°	148.1
27.5°	129.4
30°	108.3
32.5°	89.3
35°	72.4
37.5°	55.7
40°	40.0
42.5°	26.1
45°	15.0
47.5°	7.9
50°	4.9
52.5°	3.4
55°	2.5
57.5°	1.8
60°	1.2
62.5°	0.8
65°	0.6
67.5°	0.5
70°	0.5
72.5°	0.3
75°	0.3
77.5°	0.2
80°	0.2
82.5°	0.1
85°	0.1
87.5°	0.1
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)