

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P858648

Luminaire Tested: **LD4C30W2N2050D010 4LBWLI_5000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30W2N2050D010 4LBWLI_5000K
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

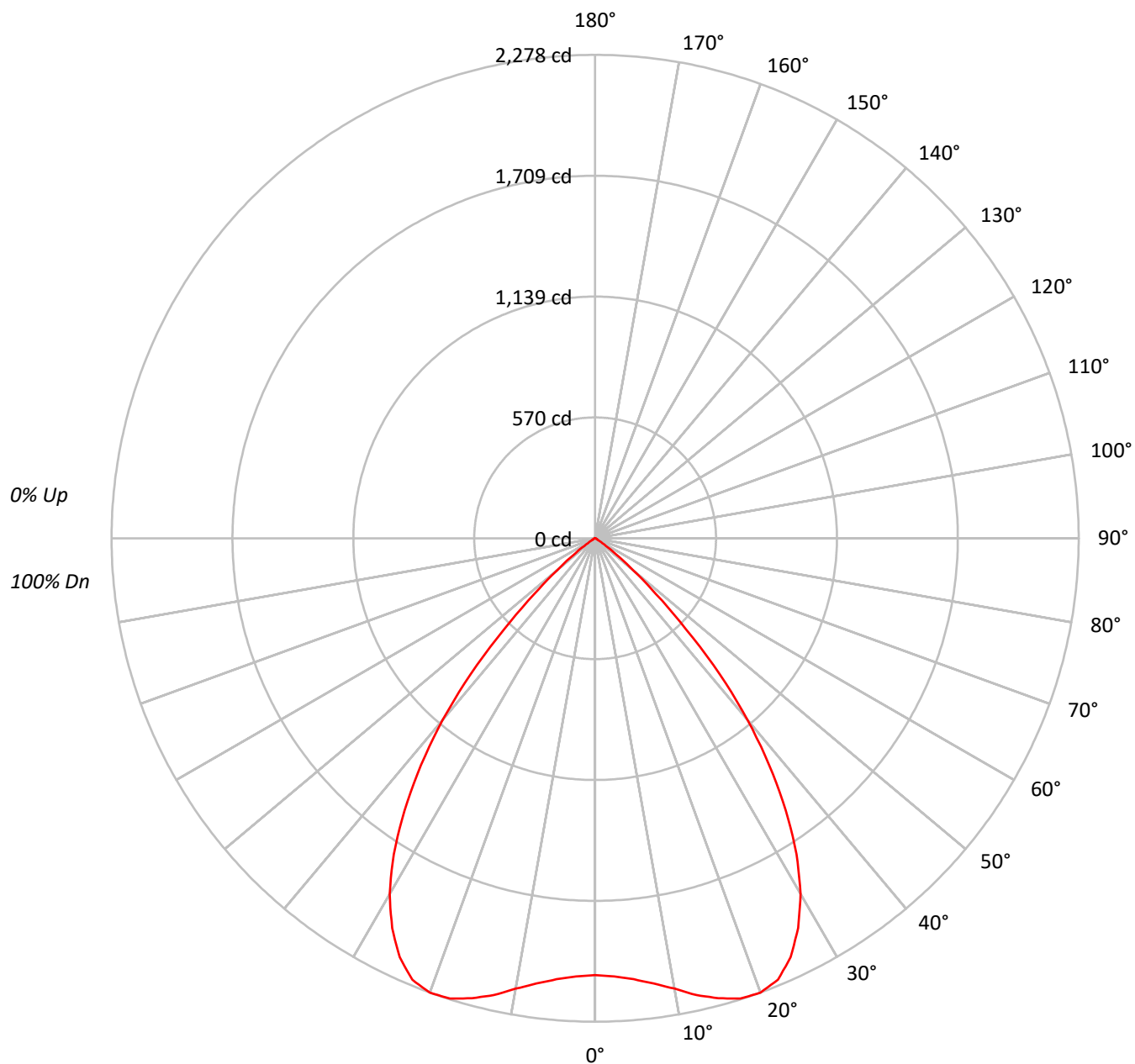
Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.6
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: 25 FT

TEST NUMBER: P858648

CATALOG NUMBER: LD4C30W2N2050D010 4LBWLI_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P858648

CATALOG NUMBER: LD4C30W2N2050D010 4LBWLI_5000K

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		110	108	105	103		104	102	100		100	98	97		96	95	94
2	106	101	97	93		104	99	95	92		96	93	90		93	90	88		90	88	86
3	100	93	87	83		98	92	86	82		89	85	81		86	83	80		84	81	78
4	94	86	79	75		92	84	79	74		82	77	73		80	76	72		78	75	72
5	88	79	72	68		87	78	72	67		76	71	67		74	70	66		73	69	65
6	83	73	66	62		82	72	66	61		71	65	61		69	64	60		68	63	60
7	78	68	61	56		77	67	61	56		66	60	56		64	59	55		63	59	55
8	74	63	56	52		72	62	56	51		61	55	51		60	55	51		59	54	51
9	69	59	52	48		68	58	52	47		57	51	47		56	51	47		55	50	47
10	66	55	48	44		65	54	48	44		53	48	44		53	47	44		52	47	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252918
5°	257202
10°	268833
15°	285332
20°	297834
25°	295250
30°	274568
35°	234893
40°	178961
45°	104974
50°	44857
55°	13194
60°	3784
65°	2238
70°	1401
75°	1851
80°	0
85°	0



TEST NUMBER: P858648

CATALOG NUMBER: LD4C30W2N2050D010 4LBWLI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.3	6.0
10°-20°	635.3	18.9
20°-30°	991.1	29.5
30°-40°	964.4	28.7
40°-50°	481.7	14.3
50°-60°	74.6	2.2
60°-70°	9.0	0.3
70°-80°	2.6	0.1
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°	1827.8	54.4
0°-40°	2792.2	83.1
0°-60°	3348.5	99.7
0°-90°	3360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2059	
5°	2086	201
15°	2243	635
25°	2178	991
35°	1566	964
45°	604	482
55°	62	75
65°	8	9
75°	4	3
85°	0	0
90°	0	



TEST NUMBER: P858648

CATALOG NUMBER: LD4C30W2N2050D010 4LBWLI_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	2058.7
2.5°	2066.4
5°	2085.6
7.5°	2116.4
10°	2155.0
12.5°	2204.9
15°	2243.4
17.5°	2274.2
20°	2278.1
22.5°	2251.1
25°	2178.1
27.5°	2070.2
30°	1935.5
32.5°	1766.4
35°	1566.2
37.5°	1346.8
40°	1115.9
42.5°	869.7
45°	604.2
47.5°	388.6
50°	234.7
52.5°	127.0
55°	61.6
57.5°	27.0
60°	15.4
62.5°	11.6
65°	7.7
67.5°	7.7
70°	3.9
72.5°	3.9
75°	3.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)