

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: P858725

Luminaire Tested: **LD4C35W2N2050D010 4LBWH_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35W2N2050D010 4LBWH_4000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS
AND 4LBWH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

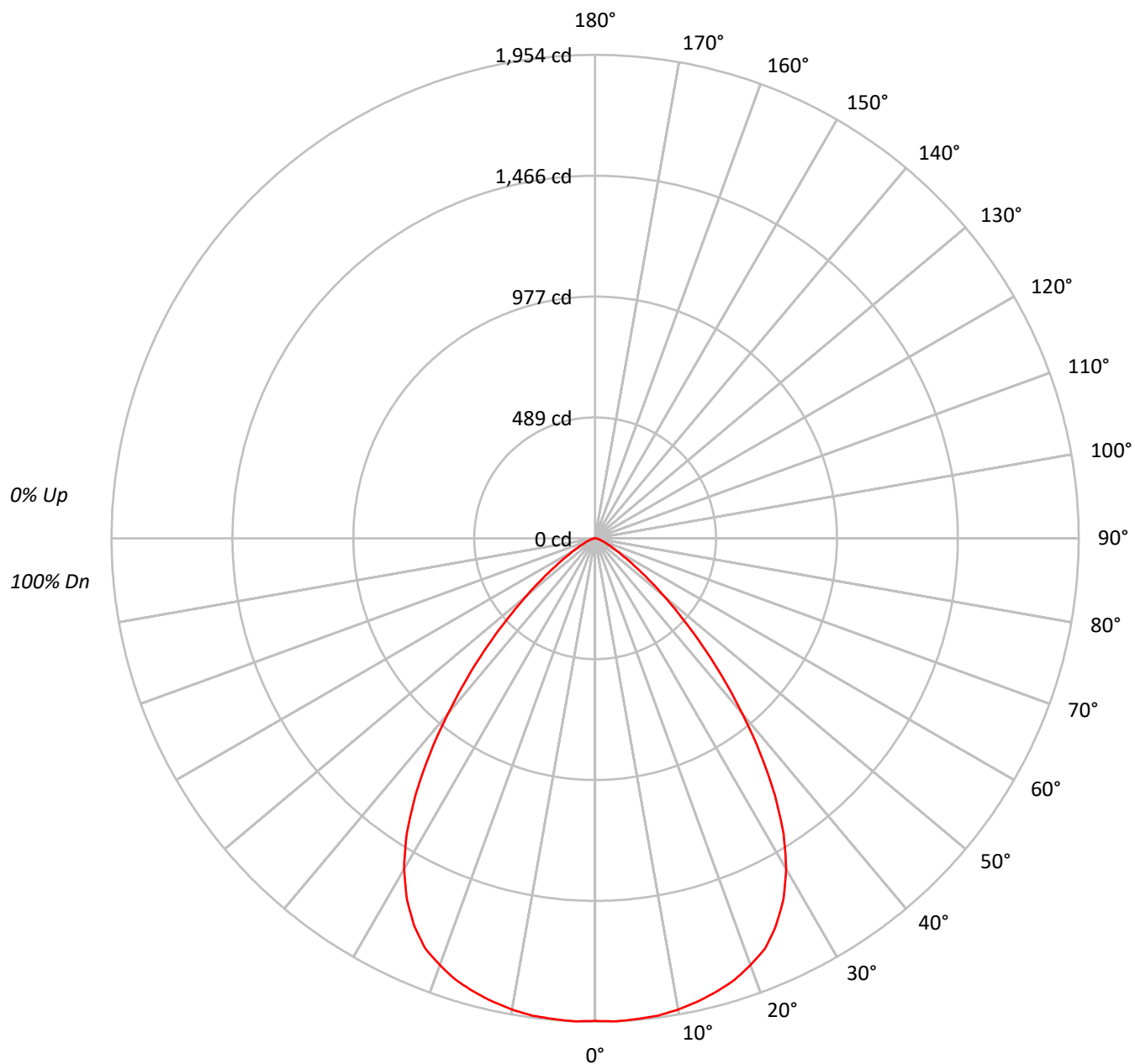
Lumens per Lamp: N/A
Luminaire Lumens: 3026.0 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
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: P858725

CATALOG NUMBER: LD4C35W2N2050D010 4LBWH_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P858725

CATALOG NUMBER: LD4C35W2N2050D010 4LBWH_4000K

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	112	109	106	104	110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91	103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80	97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72	90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58	80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53	75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49	70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45	66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41	63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239613
5°	240529
10°	241264
15°	241274
20°	239956
25°	234332
30°	219016
35°	189660
40°	148153
45°	106295
50°	69054
55°	41338
60°	24202
65°	15523
70°	10345
75°	7785
80°	5801
85°	0



TEST NUMBER: P858725

CATALOG NUMBER: LD4C35W2N2050D010 4LBWH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	6.1
10°-20°	535.2	17.7
20°-30°	789.8	26.1
30°-40°	779.4	25.8
40°-50°	476.9	15.8
50°-60°	182.8	6.0
60°-70°	57.2	1.9
70°-80°	16.8	0.6
80°-90°	2.2	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°	1510.7	49.9
0°-40°	2290.1	75.7
0°-60°	2949.8	97.5
0°-90°	3026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3026.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1950	
5°	1950	186
15°	1897	535
25°	1729	790
35°	1265	779
45°	612	477
55°	193	183
65°	53	57
75°	16	17
85°	0	2
90°	0	



TEST NUMBER: P858725

CATALOG NUMBER: LD4C35W2N2050D010 4LBWH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1950.4
2.5°	1954.5
5°	1950.4
7.5°	1946.3
10°	1934.0
12.5°	1917.6
15°	1897.0
17.5°	1872.3
20°	1835.4
22.5°	1794.4
25°	1728.7
27.5°	1646.5
30°	1543.9
32.5°	1416.7
35°	1264.6
37.5°	1096.3
40°	923.8
42.5°	763.7
45°	611.8
47.5°	476.2
50°	361.3
52.5°	267.0
55°	193.0
57.5°	135.4
60°	98.5
62.5°	74.0
65°	53.4
67.5°	41.1
70°	28.8
72.5°	20.6
75°	16.4
77.5°	8.2
80°	8.2
82.5°	4.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)