

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: P858704

Luminaire Tested: **LD4C35W2N2050D010 4LBNH_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35W2N2050D010 4LBNH_2700K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBNH TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

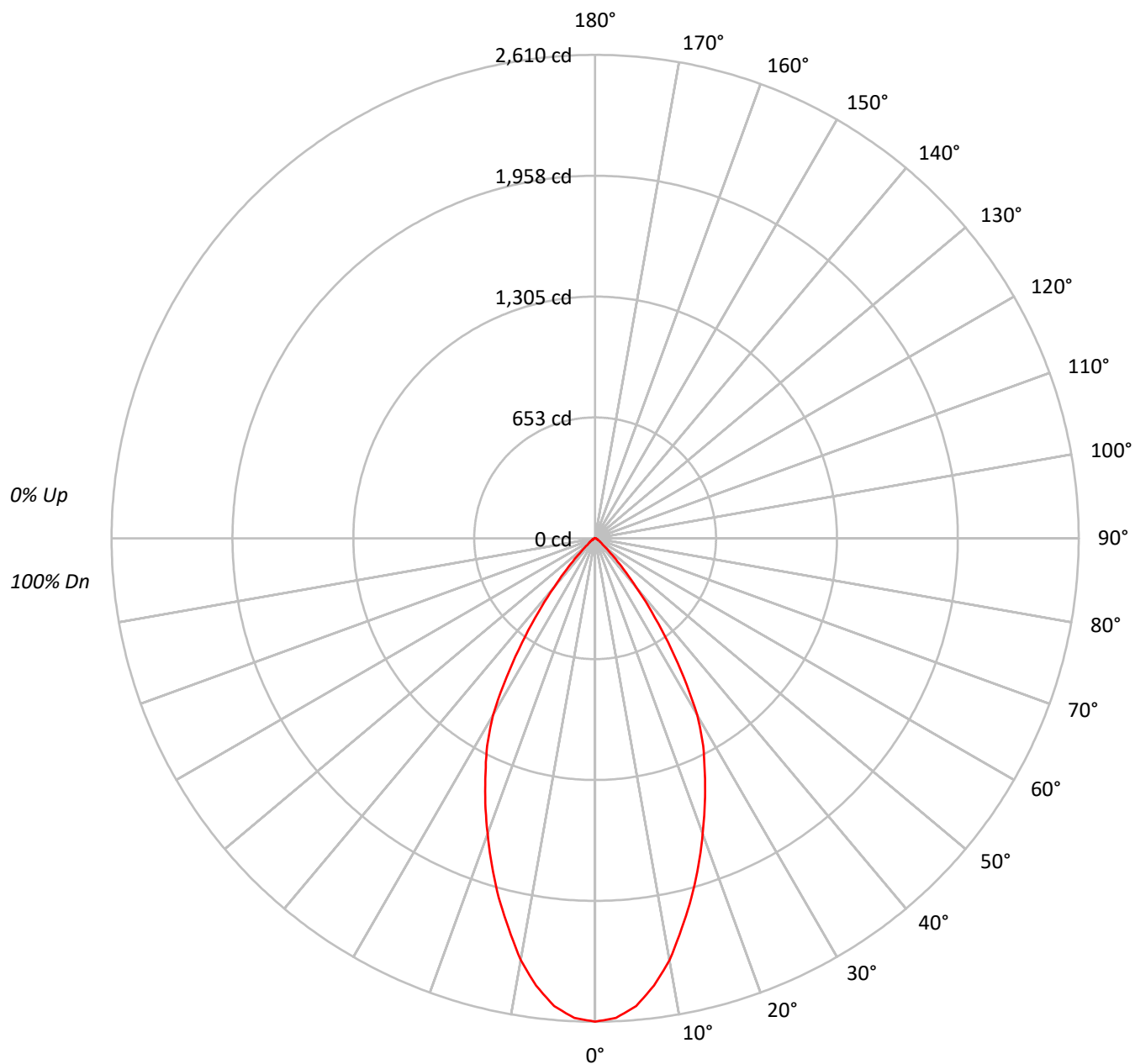
Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320635
5°	312710
10°	288544
15°	255456
20°	221810
25°	189721
30°	156414
35°	103004
40°	55377
45°	24515
50°	9939
55°	7175
60°	4546
65°	3256
70°	2694
75°	1756
80°	2618
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	11.5
10°-20°	559.7	27.5
20°-30°	641.2	31.5
30°-40°	430.8	21.2
40°-50°	123.1	6.0
50°-60°	30.1	1.5
60°-70°	11.5	0.6
70°-80°	4.4	0.2
80°-90°	0.5	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°	1435.6	70.5
0°-40°	1866.4	91.7
0°-60°	2019.6	99.2
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2610	
5°	2536	235
15°	2008	560
25°	1400	641
35°	687	431
45°	141	123
55°	34	30
65°	11	11
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2609.9
2.5°	2591.4
5°	2535.7
7.5°	2435.4
10°	2313.0
12.5°	2156.9
15°	2008.5
17.5°	1852.6
20°	1696.6
22.5°	1548.2
25°	1399.6
27.5°	1262.2
30°	1102.6
32.5°	891.0
35°	686.8
37.5°	501.2
40°	345.3
42.5°	226.4
45°	141.1
47.5°	85.3
50°	52.0
52.5°	40.8
55°	33.5
57.5°	26.0
60°	18.5
62.5°	14.8
65°	11.2
67.5°	7.5
70°	7.5
72.5°	3.7
75°	3.7
77.5°	3.7
80°	3.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)