

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: P857891

Luminaire Tested: **LX4C40D010 EX4C409027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C40D010 EX4C409027 4LBMDH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

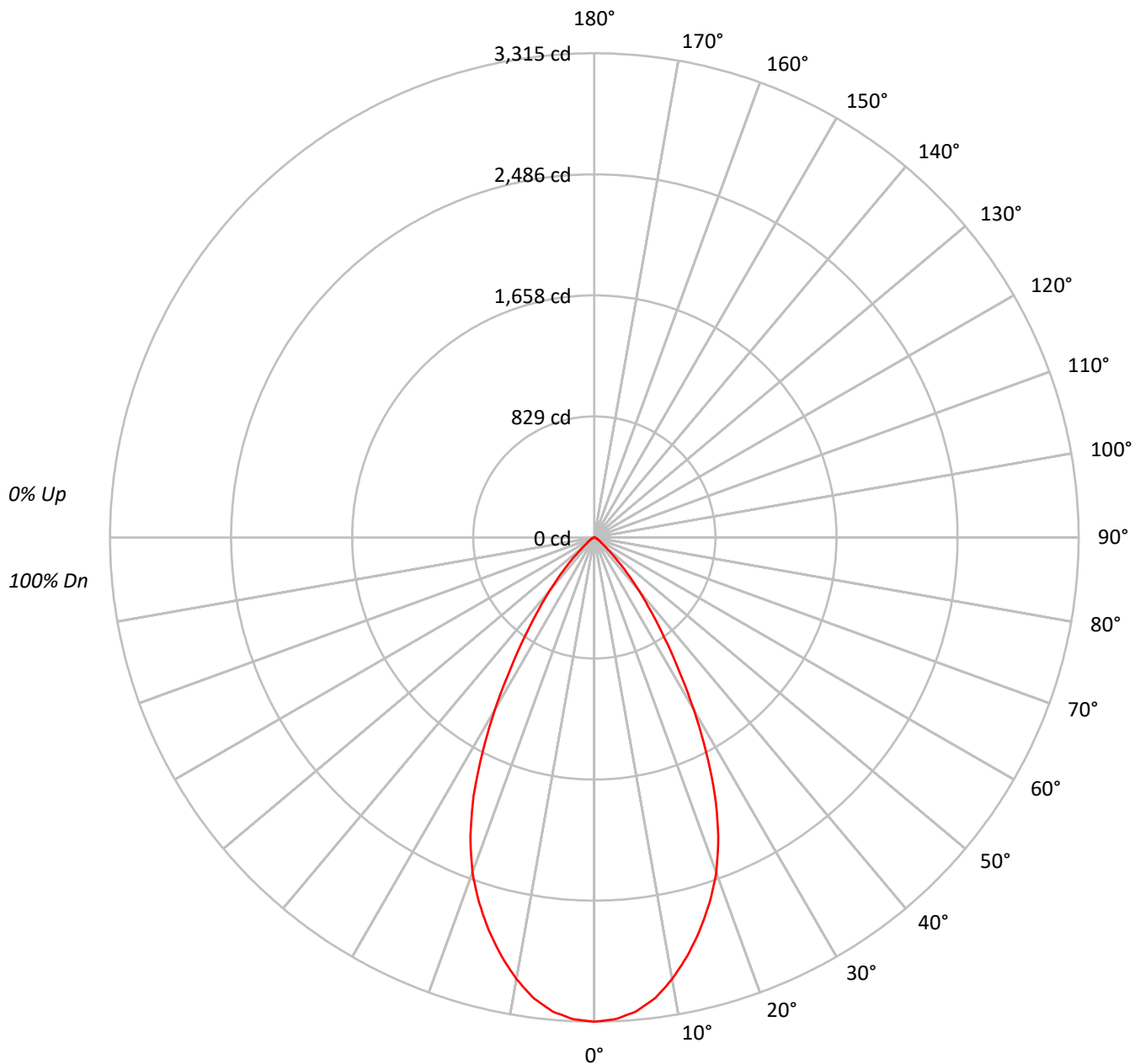
Lumens per Lamp: N/A
Luminaire Lumens: 2752.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
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: P857891

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMDH

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				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	109	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	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	407308
5°	401810
10°	382954
15°	354369
20°	319001
25°	265021
30°	192644
35°	124885
40°	75568
45°	38953
50°	17641
55°	10624
60°	7126
65°	5087
70°	3843
75°	2516
80°	1627
85°	1128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	11.1
10°-20°	777.5	28.3
20°-30°	879.2	31.9
30°-40°	531.3	19.3
40°-50°	186.1	6.8
50°-60°	47.6	1.7
60°-70°	18.2	0.7
70°-80°	6.1	0.2
80°-90°	0.9	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°	1961.7	71.3
0°-40°	2493.0	90.6
0°-60°	2726.7	99.1
0°-90°	2752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2752.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3315	
5°	3258	305
15°	2786	777
25°	1955	879
35°	833	531
45°	224	186
55°	50	48
65°	18	18
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3315.4
2.5°	3301.6
5°	3258.2
7.5°	3181.2
10°	3069.8
12.5°	2935.6
15°	2786.2
17.5°	2622.2
20°	2440.0
22.5°	2216.6
25°	1955.1
27.5°	1655.4
30°	1358.0
32.5°	1073.6
35°	832.7
37.5°	631.4
40°	471.2
42.5°	338.6
45°	224.2
47.5°	138.0
50°	92.3
52.5°	66.3
55°	49.6
57.5°	38.1
60°	29.0
62.5°	22.9
65°	17.5
67.5°	13.7
70°	10.7
72.5°	7.6
75°	5.3
77.5°	3.8
80°	2.3
82.5°	1.5
85°	0.8
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)