

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: P856910

Luminaire Tested: **LX4C15D010 EX4C159027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P856910
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: LX4C15D010 EX4C159027 4LBMDH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

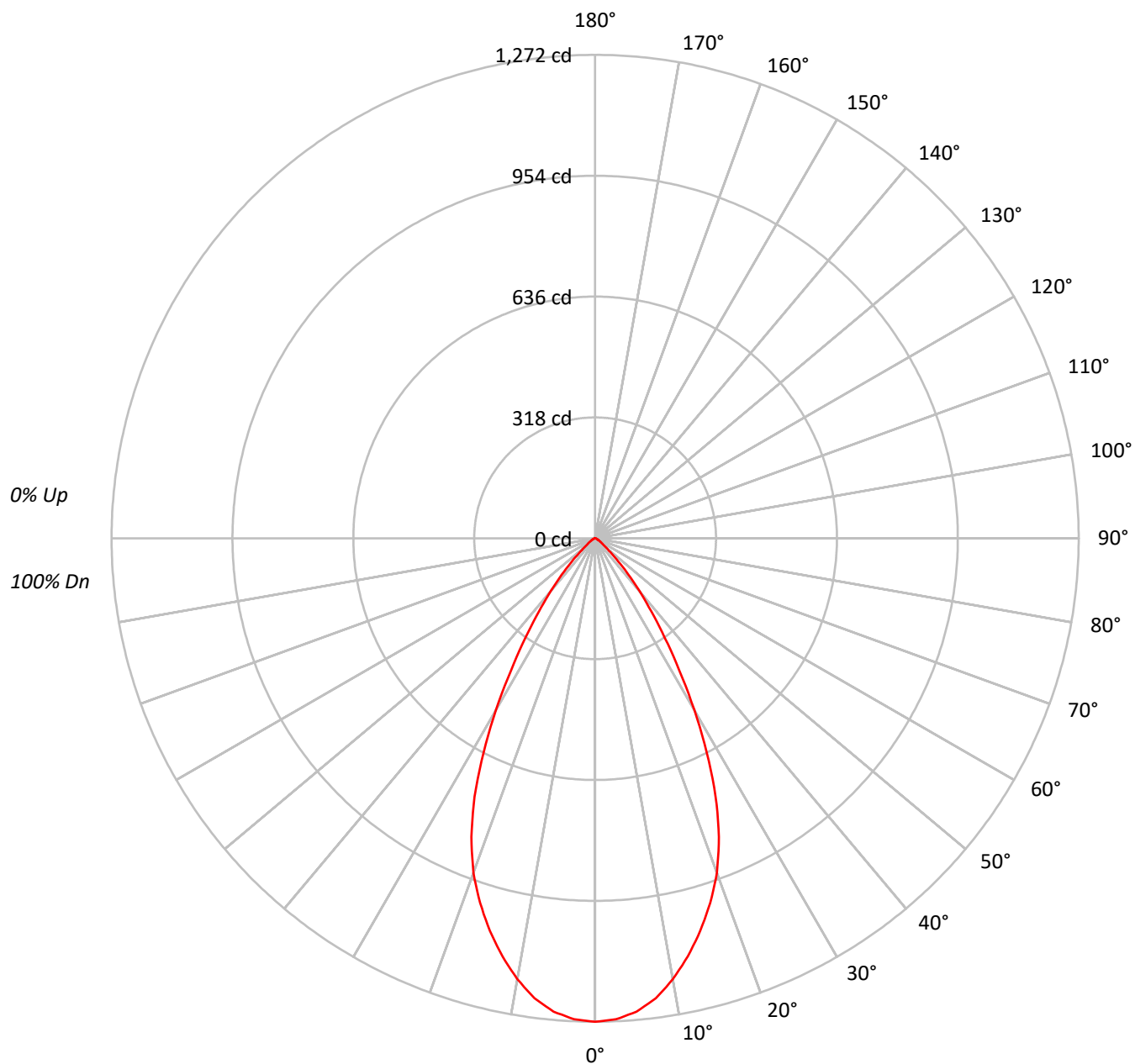
Lumens per Lamp: N/A
Luminaire Lumens: 1056.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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: P856910

CATALOG NUMBER: LX4C15D010 EX4C159027 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°	156294
5°	154178
10°	146954
15°	135976
20°	122410
25°	101692
30°	73923
35°	47917
40°	28996
45°	14942
50°	6766
55°	4070
60°	2727
65°	1948
70°	1473
75°	949
80°	637
85°	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	11.1
10°-20°	298.3	28.3
20°-30°	337.4	31.9
30°-40°	203.9	19.3
40°-50°	71.4	6.8
50°-60°	18.3	1.7
60°-70°	7.0	0.7
70°-80°	2.3	0.2
80°-90°	0.4	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°	752.7	71.3
0°-40°	956.6	90.6
0°-60°	1046.3	99.1
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1272	
5°	1250	117
15°	1069	298
25°	750	337
35°	320	204
45°	86	71
55°	19	18
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1272.2
2.5°	1266.9
5°	1250.2
7.5°	1220.7
10°	1178.0
12.5°	1126.5
15°	1069.1
17.5°	1006.2
20°	936.3
22.5°	850.6
25°	750.2
27.5°	635.2
30°	521.1
32.5°	412.0
35°	319.5
37.5°	242.3
40°	180.8
42.5°	129.9
45°	86.0
47.5°	53.0
50°	35.4
52.5°	25.5
55°	19.0
57.5°	14.6
60°	11.1
62.5°	8.8
65°	6.7
67.5°	5.3
70°	4.1
72.5°	2.9
75°	2.0
77.5°	1.5
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)