

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: P857975

Luminaire Tested: **LX4C40D010 EX4C409050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857975
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 EX4C409050 4LBMDH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

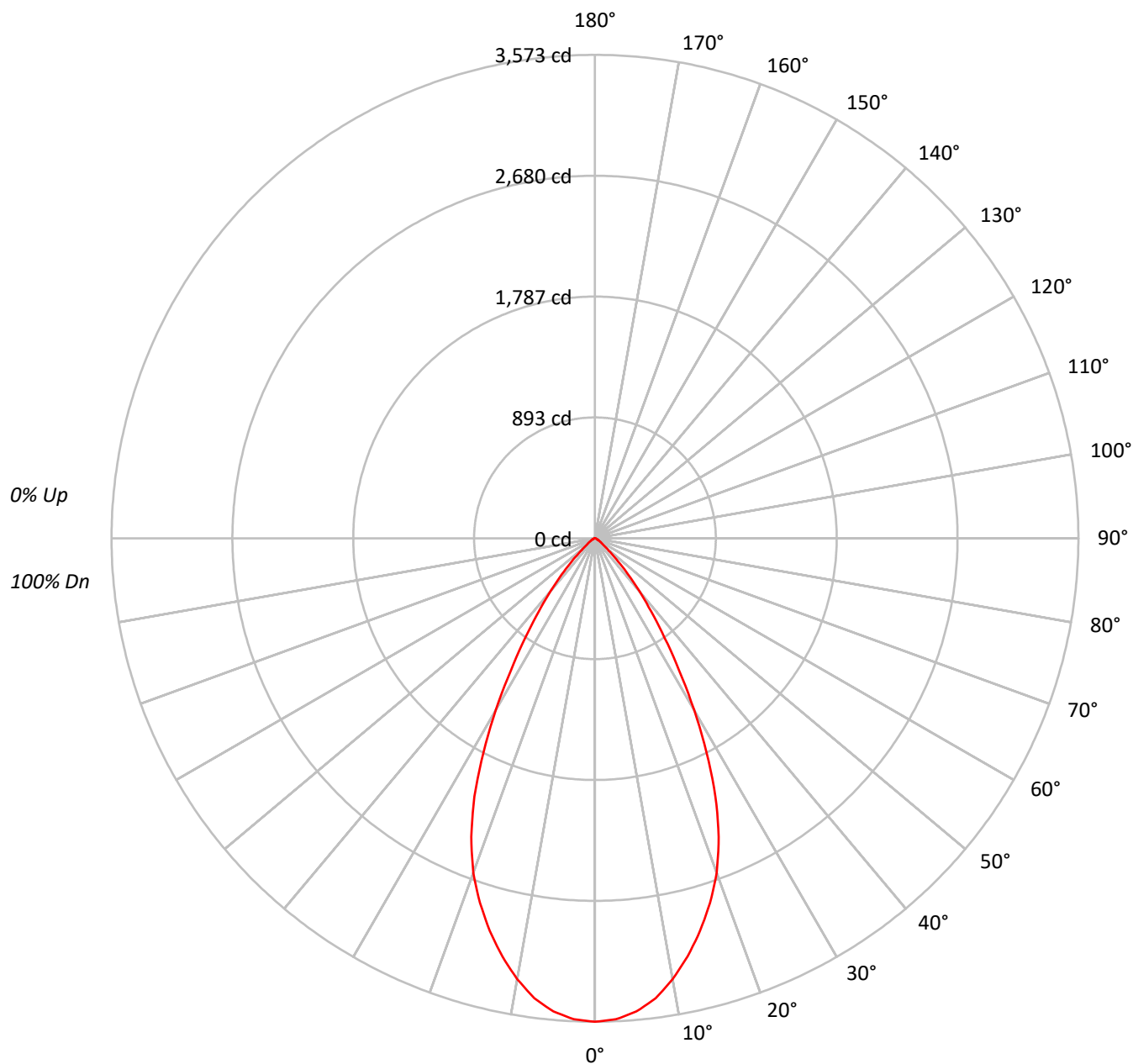
Lumens per Lamp: N/A
Luminaire Lumens: 2966.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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				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°	438980
5°	433048
10°	412731
15°	381918
20°	343802
25°	285625
30°	207625
35°	134589
40°	81454
45°	41976
50°	18998
55°	11438
60°	7666
65°	5494
70°	4131
75°	2753
80°	1769
85°	1128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.7	11.1
10°-20°	837.9	28.3
20°-30°	947.5	31.9
30°-40°	572.6	19.3
40°-50°	200.6	6.8
50°-60°	51.3	1.7
60°-70°	19.7	0.7
70°-80°	6.6	0.2
80°-90°	1.0	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°	2114.2	71.3
0°-40°	2686.8	90.6
0°-60°	2938.7	99.1
0°-90°	2966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2966.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3573	
5°	3512	329
15°	3003	838
25°	2107	948
35°	897	573
45°	242	201
55°	53	51
65°	19	20
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3573.2
2.5°	3558.4
5°	3511.5
7.5°	3428.5
10°	3308.5
12.5°	3163.9
15°	3002.8
17.5°	2826.2
20°	2629.7
22.5°	2389.0
25°	2107.1
27.5°	1784.1
30°	1463.6
32.5°	1157.1
35°	897.4
37.5°	680.4
40°	507.9
42.5°	364.9
45°	241.6
47.5°	148.7
50°	99.4
52.5°	71.5
55°	53.4
57.5°	41.1
60°	31.2
62.5°	24.7
65°	18.9
67.5°	14.8
70°	11.5
72.5°	8.2
75°	5.8
77.5°	4.1
80°	2.5
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)