

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: P857893

Luminaire Tested: **LX4C40D010 EX4C409027 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C40D010 EX4C409027 4LBMH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

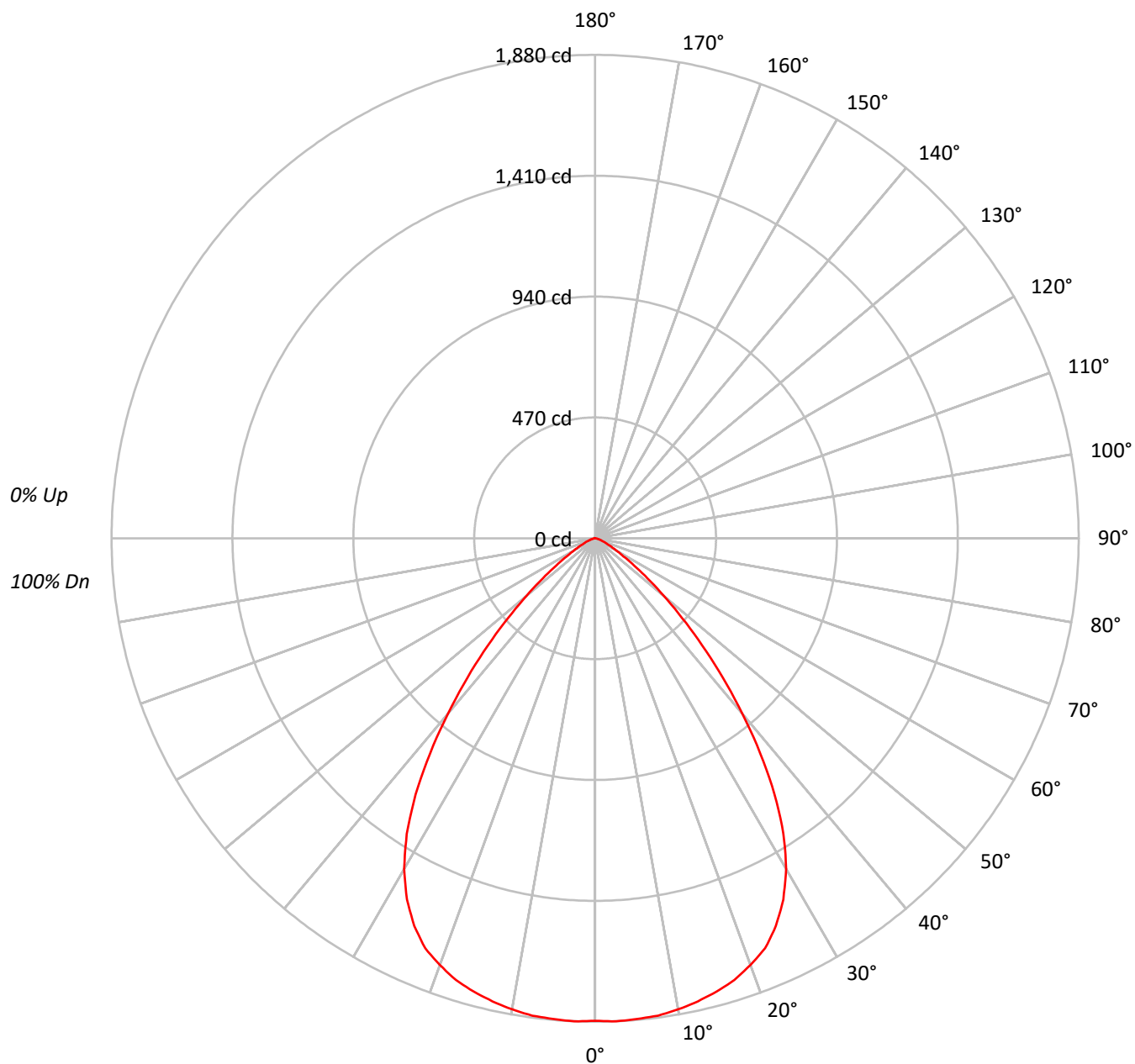
Lumens per Lamp: N/A
Luminaire Lumens: 2911.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P857893

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMH

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	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°	230510
5°	231390
10°	232095
15°	232104
20°	230831
25°	225426
30°	210689
35°	182446
40°	142524
45°	102264
50°	66435
55°	39775
60°	23268
65°	14942
70°	9950
75°	7500
80°	5589
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	6.1
10°-20°	514.9	17.7
20°-30°	759.7	26.1
30°-40°	749.7	25.8
40°-50°	458.8	15.8
50°-60°	175.9	6.0
60°-70°	55.0	1.9
70°-80°	16.1	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°	1453.3	49.9
0°-40°	2203.0	75.7
0°-60°	2837.7	97.5
0°-90°	2911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1876	
5°	1876	179
15°	1825	515
25°	1663	760
35°	1216	750
45°	589	459
55°	186	176
65°	51	55
75°	16	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1876.3
2.5°	1880.3
5°	1876.3
7.5°	1872.4
10°	1860.5
12.5°	1844.7
15°	1824.9
17.5°	1801.2
20°	1765.6
22.5°	1726.2
25°	1663.0
27.5°	1583.9
30°	1485.2
32.5°	1362.8
35°	1216.5
37.5°	1054.6
40°	888.7
42.5°	734.7
45°	588.6
47.5°	458.1
50°	347.6
52.5°	256.8
55°	185.7
57.5°	130.3
60°	94.7
62.5°	71.2
65°	51.4
67.5°	39.5
70°	27.7
72.5°	19.8
75°	15.8
77.5°	7.9
80°	7.9
82.5°	4.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)