

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: P857738

Luminaire Tested: **LX4C35D010 EX4C359030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857738
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: LX4C35D010 EX4C359030 4LBMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

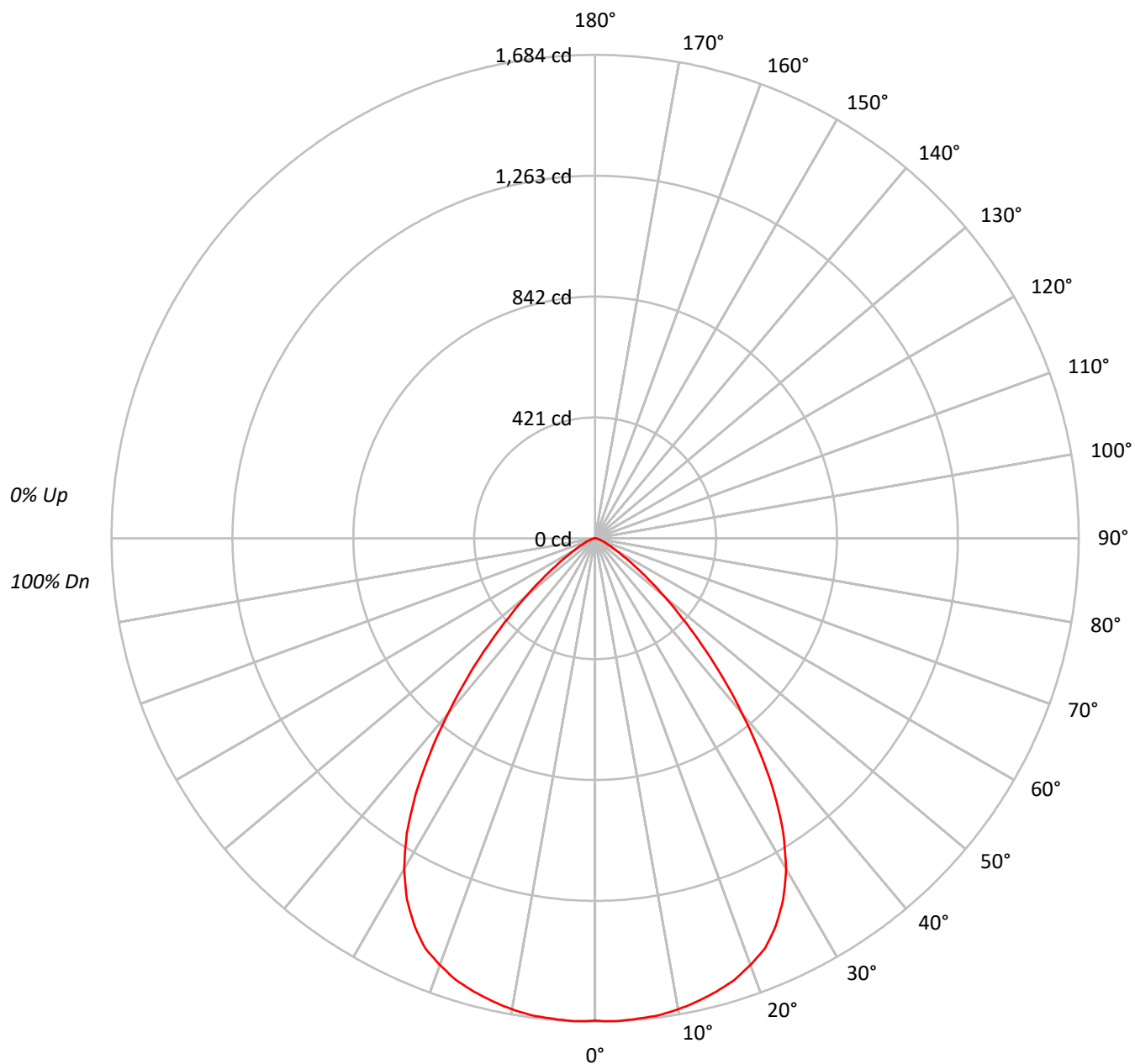
Lumens per Lamp: N/A
Luminaire Lumens: 2607.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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	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°	206443
5°	207232
10°	207856
15°	207862
20°	206723
25°	201880
30°	188687
35°	163399
40°	127642
45°	91579
50°	59498
55°	35620
60°	20836
65°	13372
70°	8908
75°	6740
80°	5023
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.0	6.1
10°-20°	461.1	17.7
20°-30°	680.4	26.1
30°-40°	671.4	25.8
40°-50°	410.9	15.8
50°-60°	157.5	6.0
60°-70°	49.2	1.9
70°-80°	14.5	0.6
80°-90°	1.9	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°	1301.5	49.9
0°-40°	1972.9	75.7
0°-60°	2541.4	97.5
0°-90°	2607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1680	
5°	1680	160
15°	1634	461
25°	1489	680
35°	1090	671
45°	527	411
55°	166	158
65°	46	49
75°	14	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1680.4
2.5°	1683.9
5°	1680.4
7.5°	1676.8
10°	1666.2
12.5°	1652.0
15°	1634.3
17.5°	1613.1
20°	1581.2
22.5°	1546.0
25°	1489.3
27.5°	1418.5
30°	1330.1
32.5°	1220.5
35°	1089.5
37.5°	944.5
40°	795.9
42.5°	658.0
45°	527.1
47.5°	410.3
50°	311.3
52.5°	230.0
55°	166.3
57.5°	116.7
60°	84.8
62.5°	63.7
65°	46.0
67.5°	35.4
70°	24.8
72.5°	17.7
75°	14.2
77.5°	7.1
80°	7.1
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)