

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: P859482

Luminaire Tested: **LX4C70D010 EX4C709035 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859482
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: LX4C70D010 EX4C709035 4LBMH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

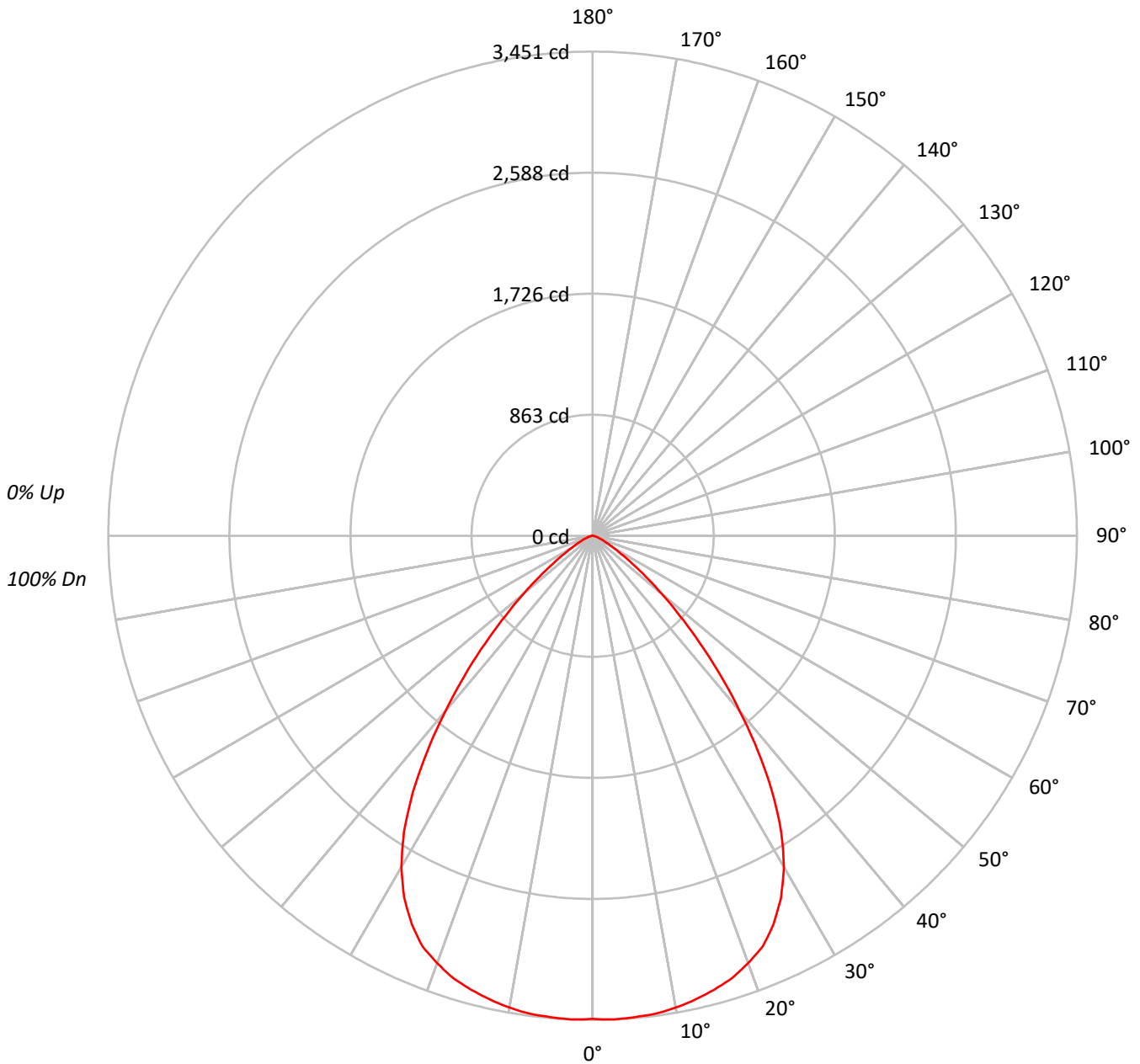
Lumens per Lamp: N/A
Luminaire Lumens: 5343.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423095
5°	424711
10°	426004
15°	426014
20°	423682
25°	413751
30°	386722
35°	334882
40°	261602
45°	187692
50°	121938
55°	72995
60°	42704
65°	27413
70°	18247
75°	13765
80°	10259
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.0	6.1
10°-20°	945.0	17.7
20°-30°	1394.5	26.1
30°-40°	1376.1	25.8
40°-50°	842.1	15.8
50°-60°	322.9	6.0
60°-70°	100.9	1.9
70°-80°	29.6	0.6
80°-90°	3.9	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°	2667.4	49.9
0°-40°	4043.5	75.7
0°-60°	5208.5	97.5
0°-90°	5343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5343.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3444	
5°	3444	328
15°	3350	945
25°	3052	1394
35°	2233	1376
45°	1080	842
55°	341	323
65°	94	101
75°	29	30
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3443.9
2.5°	3451.1
5°	3443.9
7.5°	3436.6
10°	3414.9
12.5°	3385.8
15°	3349.5
17.5°	3306.0
20°	3240.7
22.5°	3168.4
25°	3052.3
27.5°	2907.2
30°	2726.1
32.5°	2501.4
35°	2232.9
37.5°	1935.7
40°	1631.2
42.5°	1348.5
45°	1080.3
47.5°	840.8
50°	638.0
52.5°	471.4
55°	340.8
57.5°	239.2
60°	173.8
62.5°	130.6
65°	94.3
67.5°	72.6
70°	50.8
72.5°	36.3
75°	29.0
77.5°	14.5
80°	14.5
82.5°	7.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)