

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: P859447

Luminaire Tested: **LX4C70D010 EX4C709027 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859447
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 EX4C709027 4LBWH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

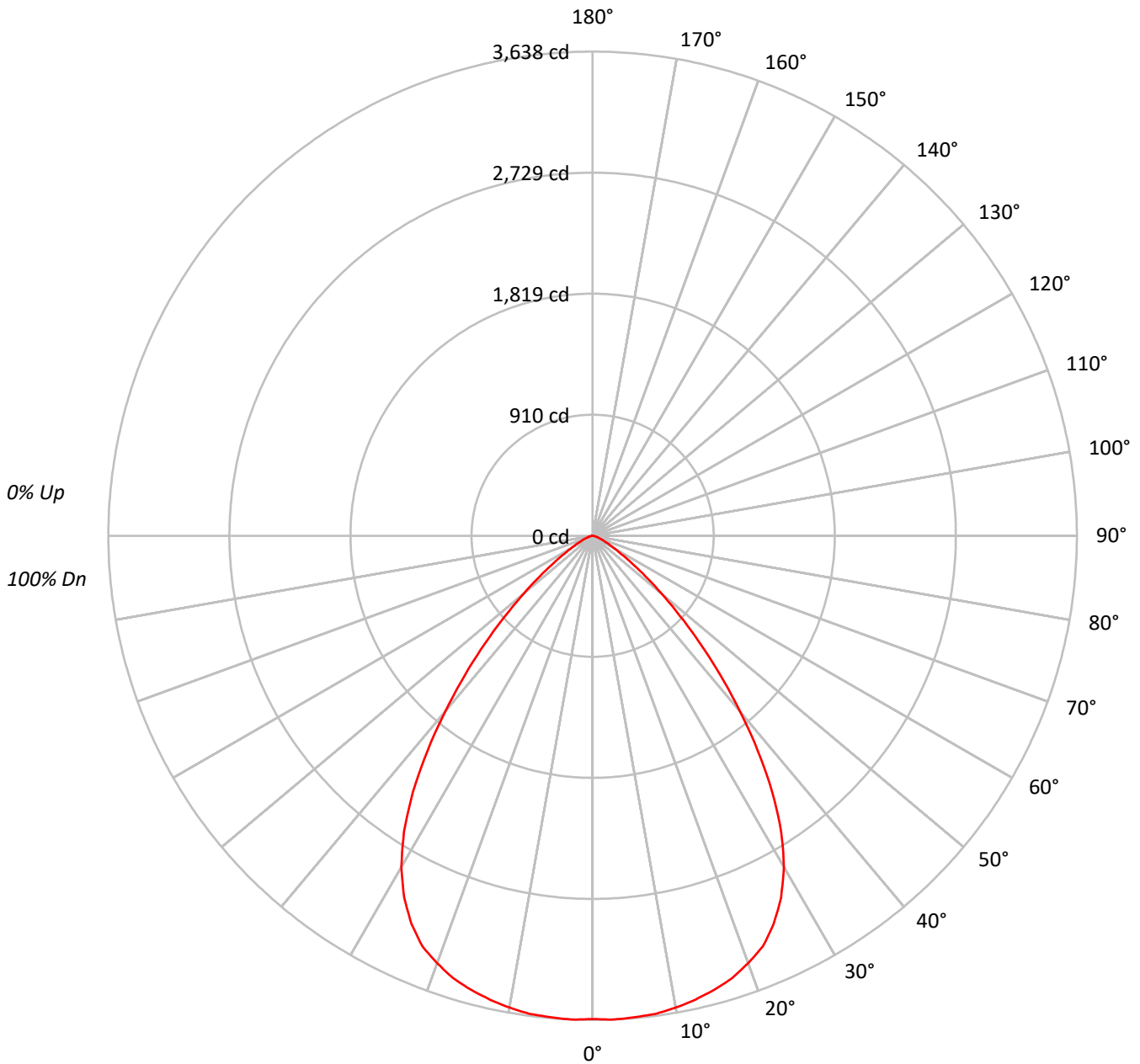
Lumens per Lamp: N/A
Luminaire Lumens: 5633.1 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	446056
5°	447760
10°	449120
15°	449136
20°	446679
25°	436212
30°	407703
35°	353059
40°	275811
45°	197891
50°	128551
55°	76958
60°	45038
65°	28924
70°	19253
75°	14525
80°	10825
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.8	6.1
10°-20°	996.3	17.7
20°-30°	1470.2	26.1
30°-40°	1450.8	25.8
40°-50°	887.8	15.8
50°-60°	340.4	6.0
60°-70°	106.4	1.9
70°-80°	31.2	0.6
80°-90°	4.2	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°	2812.2	49.9
0°-40°	4263.0	75.7
0°-60°	5491.2	97.5
0°-90°	5633.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5633.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3631	
5°	3631	346
15°	3531	996
25°	3218	1470
35°	2354	1451
45°	1139	888
55°	359	340
65°	100	106
75°	31	31
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3630.8
2.5°	3638.5
5°	3630.8
7.5°	3623.2
10°	3600.2
12.5°	3569.6
15°	3531.3
17.5°	3485.4
20°	3416.6
22.5°	3340.4
25°	3218.0
27.5°	3065.0
30°	2874.0
32.5°	2637.2
35°	2354.1
37.5°	2040.8
40°	1719.8
42.5°	1421.7
45°	1139.0
47.5°	886.5
50°	672.6
52.5°	497.0
55°	359.3
57.5°	252.1
60°	183.3
62.5°	137.7
65°	99.5
67.5°	76.5
70°	53.6
72.5°	38.3
75°	30.6
77.5°	15.3
80°	15.3
82.5°	7.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)