

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: P856880

Luminaire Tested: **LX4C10D010 EX4C109030 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P856880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109030 4LBSH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

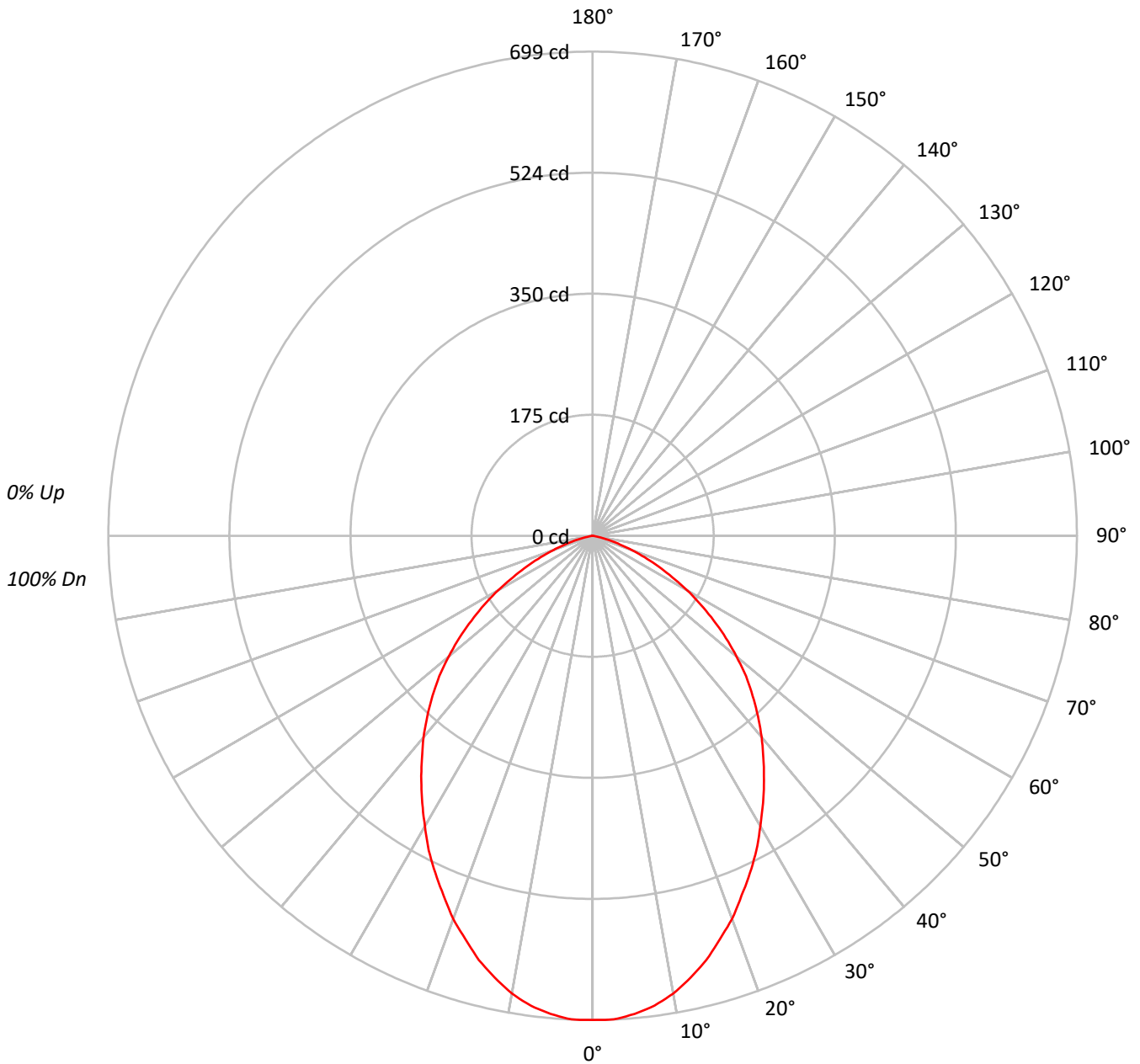
Lumens per Lamp: N/A
Luminaire Lumens: 1336.5 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85875
5°	85475
10°	83719
15°	80662
20°	76952
25°	72820
30°	68674
35°	64670
40°	60878
45°	56761
50°	51757
55°	45708
60°	38674
65°	30378
70°	21660
75°	11867
80°	2122
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	4.9
10°-20°	178.0	13.3
20°-30°	247.1	18.5
30°-40°	269.7	20.2
40°-50°	251.6	18.8
50°-60°	190.9	14.3
60°-70°	104.5	7.8
70°-80°	28.7	2.2
80°-90°	0.4	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°	490.6	36.7
0°-40°	760.2	56.9
0°-60°	1202.8	90.0
0°-90°	1336.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	699	
5°	693	65
15°	634	178
25°	537	247
35°	431	270
45°	327	252
55°	213	191
65°	104	105
75°	25	29
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	699.0
2.5°	699.0
5°	693.1
7.5°	684.3
10°	671.1
12.5°	653.4
15°	634.2
17.5°	610.7
20°	588.6
22.5°	562.1
25°	537.2
27.5°	512.1
30°	484.1
32.5°	457.6
35°	431.2
37.5°	404.7
40°	379.6
42.5°	353.2
45°	326.7
47.5°	300.2
50°	270.8
52.5°	242.7
55°	213.4
57.5°	185.4
60°	157.4
62.5°	129.5
65°	104.5
67.5°	80.9
70°	60.3
72.5°	41.2
75°	25.0
77.5°	11.7
80°	3.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)